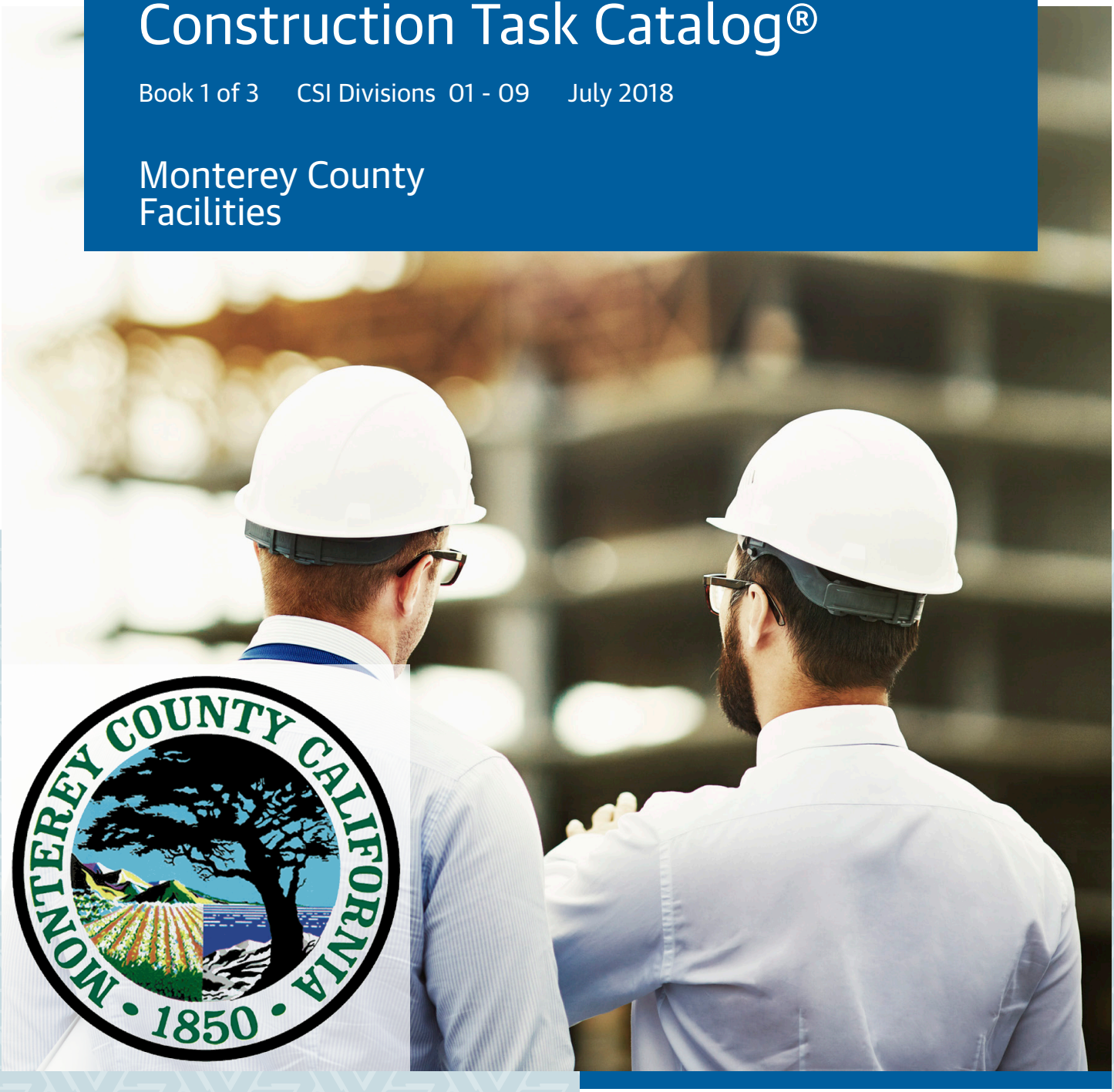
Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 of 3 CSI Divisions 01 - 09 July 2018

Monterey County Facilities



GORDIAN®

This Page Intentionally Left Blank

00 Using The Construction Task Catalog® 1

01 General Requirements 1
01 20 Price And Payment Procedures ... 1
01 22 Unit Prices ... 1
01 30 Administrative Requirements ... 31
01 32 Construction Progress Documentation ... 31
01 40 Quality Requirements ... 31
01 45 Quality Control ... 31
01 50 Temporary Facilities And Controls ... 34
01 51 Temporary Utilities ... 34
01 52 Construction Facilities ... 35
01 54 Construction Aids ... 36
01 55 Vehicular Access And Parking ... 39
01 56 Temporary Barriers And Enclosures ... 42
01 57 Temporary Controls ... 50
01 58 Project Identification ... 50
01 60 Product Requirements ... 51
01 66 Product Storage And Handling Requirements ... 51
01 70 Execution And Closeout Requirements ... 51
01 71 Examination And Preparation ... 51
01 74 Cleaning And Waste Management ... 53

02 Existing Conditions 1
02 20 Assessment ... 1
02 25 Existing Material Assessment ... 1
02 30 Subsurface Investigation ... 1
02 32 Geotechnical Investigations ... 1
02 40 Demolition And Structure Moving ... 1
02 41 Demolition ... 1
02 43 Structure Moving ... 17
02 60 Contaminated Site Material Removal ... 17
02 61 Removal And Disposal Of Contaminated Soils ... 17
02 65 Underground Storage Tank Removal ... 18
02 80 Facility Remediation ... 21
02 81 Transportation And Disposal Of Hazardous Materials ... 21
02 82 Asbestos Remediation ... 21
02 83 Lead Remediation ... 28
02 84 Polychlorinate Biphenyl Remediation ... 31
02 87 Bio-Hazard Material Remediation ... 32
02 89 Hazmat Ancillary Tasks And Support ... 35
02 90 Disaster Recovery ... 35
02 90 50 Cleaning And Emergency Clean-up ... 35

03 Concrete 1
03 01 Maintenance Of Concrete ... 1
03 01 30 Maintenance Of Cast-In-Place Concrete ... 1
03 05 Common Work Results For Concrete ... 3
03 10 Concrete Forming And Accessories ... 3
03 11 Concrete Forming ... 3
03 15 Concrete Accessories ... 7
03 20 Concrete Reinforcing ... 16
03 21 Reinforcement Bars ... 16
03 22 Fabric And Grid Reinforcing ... 25
03 30 Cast-In-Place Concrete ... 26
03 31 Structural Concrete ... 27
03 35 Concrete Finishing ... 43
03 37 Specialty Placed Concrete ... 46
03 39 Concrete Curing ... 47
03 40 Precast Concrete ... 47
03 41 Precast Structural Concrete ... 47
03 48 Precast Concrete Specialties ... 57
03 50 Cast Decks And Underlayment ... 60

copyright © 2018 The Gordian Group, Inc.

03 51 Cast Roof Decks 60
03 52 Lightweight Concrete Roof Insulation 60
03 53 Concrete Topping 61
03 54 Cast Underlayment 61
03 60 Grouting 61
03 61 Cementitious Grouting 61
03 62 Non-Shrink Grouting 61
03 64 Injection Grouting 62
03 80 Concrete Cutting And Boring 62
03 81 Concrete Cutting 62
03 82 Concrete Boring 62

04 Masonry 1

04 01 Maintenance Of Masonry 1
04 01 20 Maintenance Of Unit Masonry 1
04 01 40 Maintenance of Stone Assemblies 10
04 01 50 Maintenance of Refractory Masonry 11
04 05 Common Work Results For Masonry 11
04 05 13 Masonry Mortaring 11
04 05 16 Masonry Grouting 11
04 05 19 Masonry Anchorage And Reinforcing 12
04 05 23 Masonry Accessories 37
04 05 26 Masonry Scaffolding 39
04 20 Unit Masonry 39
04 21 Clay Unit Masonry 39
04 22 Concrete Unit Masonry 42
04 23 Glass Unit Masonry 46
04 40 Stone Assemblies 46
04 41 Dry-Placed Stone 46
04 42 Exterior Stone Cladding 46
04 43 Stone Masonry 47
04 50 Refractory Masonry 48
04 51 Flue Liner Masonry 48
04 70 Manufactured Masonry 48
04 72 Cast Stone Masonry 49

05 Metals 1

05 05 Common Work Results For Metals 1
05 05 19 Post-Installed Concrete Anchors 1
05 05 23 Metal Fastenings 12
05 10 Structural Metal Framing 75
05 12 Structural Steel Framing 75
05 13 Structural Stainless-Steel Framing 125
05 14 Structural Aluminum Framing 125
05 15 Wire Rope Assemblies 126
05 20 Metal Joists 132
05 21 Steel Joist Framing 132
05 30 Metal Decking 132
05 31 Steel Decking 133
05 36 Composite Metal Decking 136
05 40 Cold-Formed Metal Framing 139
05 41 Structural Metal Stud Framing 139
05 42 Cold-Formed Metal Joist Framing 141
05 43 Slotted Channel Framing 141
05 45 Metal Support Assemblies 143
05 50 Metal Fabrications 143
05 51 Metal Stairs 143
05 52 Metal Railings 145
05 53 Metal Gratings 153
05 54 Metal Floor Plates 161
05 55 Metal Stair Treads And Nosings 161
05 56 Metal Castings 163
05 58 Formed Metal Fabrications 163
05 59 Metal Specialties 164
05 70 Decorative Metal 172
05 71 Decorative Metal Stairs 172
05 73 Decorative Metal Railings 172

copyright © 2018 The Gordian Group, Inc.

05 75 Decorative Formed Metal 173

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites 1
06 01 20 Maintenance of Finish Carpentry 1
06 05 Common Work Results For Wood, Plastics, And Composites 1
06 05 23 Wood, Plastic, And Composite Fastenings 1
06 05 73 Wood Treatment 17
06 10 Rough Carpentry 17
06 11 Wood Framing 17
06 13 Heavy Timber Construction 22
06 15 Wood Decking 24
06 16 Sheathing 27
06 17 Shop-Fabricated Structural Wood 33
06 18 Glued-Laminated Construction 38
06 20 Finish Carpentry 39
06 22 Millwork 39
06 25 Prefinished Paneling 41
06 40 Architectural Woodwork 41
06 41 Architectural Wood Casework 42
06 42 Wood Paneling 54
06 43 Wood Stairs And Railings 57
06 44 Ornamental Woodwork 58
06 46 Wood Trim 60
06 48 Wood Frames 77
06 50 Structural Plastics 78
06 51 Structural Plastic Shapes And Plates 78
06 52 Plastic Structural Assemblies 83
06 53 Plastic Decking 84
06 60 Plastic Fabrications 84
06 65 Plastic Trim 84
06 70 Structural Composites 85
06 74 Composite Gratings 85
06 80 Composite Fabrications 87
06 82 Composite Trim 87
06 83 Composite Paneling 89

07 Thermal And Moisture Protection 1

07 01 Operation And Maintenance Of Thermal And Moisture Protection 1
07 01 50 Maintenance Of Membrane Roofing 1
07 05 Common Work Results For Thermal And Moisture Protection 1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work 1
07 10 Dampproofing And Waterproofing 1
07 11 Dampproofing 2
07 13 Sheet Waterproofing 2
07 14 Fluid-Applied Waterproofing 3
07 16 Cementitious And Reactive Waterproofing 4
07 17 Bentonite Waterproofing 4
07 19 Water Repellents 4
07 20 Thermal Protection 5
07 21 Thermal Insulation 5
07 22 Roof And Deck Insulation 11
07 24 Exterior Insulation And Finish Systems 21
07 25 Weather Barriers 24
07 26 Vapor Retarders 24
07 27 Air Barriers 24
07 30 Steep Slope Roofing 24
07 31 Shingles And Shakes 24
07 32 Roof Tiles 29
07 34 Roofing Underlayment 31
07 40 Roofing And Siding Panels 33
07 41 Roof Panels 33
07 42 Wall Panels 36
07 46 Siding 37
07 50 Membrane Roofing 41
07 51 Built-Up Bituminous Roofing 41
07 52 Modified Bituminous Membrane Roofing 48

copyright © 2018 The Gordian Group, Inc.

07 53 Elastomeric Membrane Roofing 54
07 54 Thermoplastic Membrane Roofing 56
07 56 Fluid-Applied Roofing 59
07 57 Coated Foamed Roofing 60
07 58 Roll Roofing 62
07 59 Membrane Roofing Accessories 62
07 60 Flashing And Sheet Metal 62
07 61 Sheet Metal Roofing 62
07 62 Sheet Metal Flashing And Trim 64
07 63 Sheet Metal Roofing Specialties 69
07 65 Flexible Flashing 70
07 70 Roof And Wall Specialties And Accessories 70
07 71 Roof Specialties 70
07 72 Roof Accessories 86
07 73 Roof Protection Board 107
07 76 Roof Pavers 107
07 80 Fire And Smoke Protection 108
07 81 Applied Fireproofing 108
07 82 Board Fireproofing 110
07 84 Firestopping 110
07 90 Joint Protection 116
07 91 Preformed Joint Seals 116
07 92 Joint Sealants 118
07 95 Expansion Control 120

08 Openings 1

08 01 Operation And Maintenance Of Openings 1
08 01 10 Operation And Maintenance Of Doors And Frames 1
08 01 50 Operation And Maintenance Of Windows 1
08 01 80 Maintenance of Glazing 1
08 05 Common Work Results For Openings 1
08 05 13 Door Options And Modifications 1
08 10 Doors And Frames 2
08 11 Metal Doors And Frames 3
08 12 Metal Frames 3
08 13 Metal Doors 31
08 14 Wood Doors 54
08 15 Plastic Doors 110
08 16 Composite Doors 110
08 17 Integrated Door Opening Assemblies 115
08 30 Specialty Doors And Frames 118
08 31 Access Doors And Panels 119
08 32 Sliding Glass Doors 119
08 33 Coiling Doors And Grilles 120
08 34 Special Function Doors 140
08 36 Panel Doors 144
08 38 Traffic Doors 151
08 40 Entrances, Storefronts, And Curtain Walls 167
08 42 Entrances 167
08 43 Storefronts 172
08 44 Curtain Wall And Glazed Assemblies 176
08 45 Translucent Wall And Roof Assemblies 179
08 50 Windows 179
08 51 Metal Windows 179
08 52 Wood Windows 197
08 53 Plastic Windows 235
08 56 Special Function Windows 263
08 60 Roof Windows And Skylights 266
08 62 Unit Skylights 266
08 63 Metal-Framed Skylights 271
08 66 Wood-Framed Skylights 277
08 70 Hardware 278
08 71 Door Hardware 278
08 75 Window Hardware 384
08 79 Hardware Accessories 384
08 80 Glazing 384
08 81 Glass Glazing 384
08 83 Mirrors 395

copyright © 2018 The Gordian Group, Inc.

08 84 Plastic Glazing ... 396
08 85 Glazing Accessories ... 398
08 87 Glazing Surface Films ... 398
08 88 Special Function Glazing ... 399
08 90 Louvers And Vents ... 401
08 91 Louvers ... 401
08 95 Vents ... 433

09 Finishes 1

09 01 Maintenance Of Finishes ... 1
09 01 20 Maintenance Of Plaster And Gypsum Board ... 1
09 01 30 Maintenance of Tiling ... 1
09 01 60 Maintenance Of Flooring ... 1
09 01 80 Maintenance Of Acoustic Treatment ... 2
09 05 Common Work Results For Finishes ... 2
09 05 61 Common Work Results for Flooring Preparation ... 2
09 05 71 Acoustic Underlayment ... 2
09 20 Plaster And Gypsum Board ... 2
09 22 Supports For Plaster And Gypsum Board ... 2
09 23 Gypsum Plastering ... 12
09 24 Cement Plastering ... 13
09 28 Backing Boards And Underlayments ... 14
09 29 Gypsum Board ... 15
09 30 Tiling ... 24
09 30 13 Ceramic Tiling ... 24
09 30 16 Quarry Tiling ... 24
09 30 33 Stone Tiling ... 25
09 31 Thin-Set Tiling ... 29
09 32 Mortar-Bed Tiling ... 29
09 34 Waterproofing-Membrane Tiling ... 30
09 35 Chemical-Resistant Tiling ... 30
09 39 Tiling Transitions And Accessories ... 30
09 50 Ceilings ... 31
09 51 Acoustical Ceilings ... 31
09 53 Acoustical Ceiling Suspension Assemblies ... 38
09 54 Specialty Ceilings ... 39
09 57 Special Function Ceilings ... 40
09 60 Flooring ... 40
09 61 Flooring Treatment ... 40
09 63 Masonry Flooring ... 41
09 64 Wood Flooring ... 41
09 65 Resilient Flooring ... 44
09 66 Terrazzo Flooring ... 51
09 67 Fluid-Applied Flooring ... 54
09 68 Carpeting ... 54
09 69 Access Flooring ... 62
09 70 Wall Finishes ... 63
09 72 Wall Coverings ... 63
09 73 Wall Carpeting ... 63
09 74 Flexible Wood Sheets ... 63
09 77 Special Wall Surfacing ... 64
09 80 Acoustic Treatment ... 64
09 81 Acoustic Insulation ... 64
09 84 Acoustic Room Components ... 64
09 85 Acoustic Sound Deadening ... 65
09 90 Painting And Coating ... 65
09 91 Painting ... 65
09 93 Staining And Transparent Finishing ... 135
09 96 High-Performance Coatings ... 136
09 97 Special Coatings ... 137

10 Specialties 1

10 10 Information Specialties ... 1
10 11 Visual Display Units ... 1
10 12 Display Cases ... 7
10 13 Directories ... 8
10 14 Signage ... 11

copyright © 2018 The Gordian Group, Inc.

10 20 Interior Specialties ... 36
10 21 Compartments And Cubicles ... 36
10 22 Partitions ... 61
10 26 Wall And Door Protection ... 65
10 28 Toilet, Bath, And Laundry Accessories ... 75
10 40 Safety Specialties ... 85
10 41 Emergency Access And Information Cabinets ... 85
10 44 Fire Protection Specialties ... 85
10 50 Storage Specialties ... 91
10 51 Lockers ... 91
10 55 Postal Specialties ... 106
10 56 Storage Assemblies ... 106
10 57 Wardrobe And Closet Specialties ... 109
10 70 Exterior Specialties ... 109
10 73 Protective Covers ... 109
10 75 Flagpoles ... 110
10 80 Other Specialties ... 112
10 81 Pest Control Devices ... 112
10 86 Security Mirrors And Domes ... 113

11 Equipment 1
11 01 Operation And Maintenance Of Equipment ... 1
11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ... 1
11 10 Vehicle And Pedestrian Equipment ... 1
11 11 Vehicle Service Equipment ... 1
11 12 Parking Control Equipment ... 2
11 13 Loading Dock Equipment ... 3
11 14 Pedestrian Control Equipment ... 8
11 20 Commercial Equipment ... 10
11 21 Retail and Service Equipment ... 10
11 30 Residential Equipment ... 11
11 30 13 Residential Appliances ... 11
11 30 33 Retractable Stairs ... 14
11 32 Unit Kitchens ... 14
11 40 Foodservice Equipment ... 15
11 41 Foodservice Storage Equipment ... 15
11 42 Food Preparation Equipment ... 35
11 44 Food Cooking Equipment ... 37
11 46 Food Dispensing Equipment ... 38
11 48 Foodservice Cleaning and Disposal Equipment ... 40
11 50 Educational And Scientific Equipment ... 41
11 52 Audio-Visual Equipment ... 41
11 53 Laboratory Equipment ... 49
11 60 Entertainment and Recreation Equipment ... 49
11 66 Athletic Equipment ... 49
11 68 Play Field Equipment And Structures ... 49
11 70 Healthcare Equipment ... 54
11 73 Patient Care Equipment ... 54
11 80 Facility Maintenance and Operation Equipment ... 54
11 81 Maintenance Equipment ... 54
11 82 Facility Solid Waste Handling Equipment ... 54

12 Furnishings 1
12 01 Operation And Maintenance Of Furnishings ... 1
12 01 60 Operation And Maintenance Of Multiple Seating ... 1
12 20 Window Treatments ... 1
12 21 Window Blinds ... 1
12 22 Curtains And Drapes ... 1
12 23 Interior Shutters ... 3
12 24 Window Shades ... 5
12 30 Casework ... 5
12 31 Manufactured Metal Casework ... 5
12 35 Specialty Casework ... 10
12 36 Countertops ... 10
12 40 Furnishings And Accessories ... 11
12 48 Rugs And Mats ... 11
12 50 Furniture ... 12

copyright © 2018 The Gordian Group, Inc.

12 55 Detention Furniture 12
12 59 Systems Furniture 14
12 60 Multiple Seating 17
12 61 Fixed Audience Seating 17
12 62 Portable-Audience Seating 17

13 Special Construction 1
13 10 Special Facility Components 1
13 11 Swimming Pools 1
13 12 Fountains 1
13 20 Special Purpose Rooms 2
13 21 Controlled Environment Rooms 2
13 30 Special Structures 2
13 34 Fabricated Engineered Structures 2
13 40 Integrated Construction 21
13 42 Building Modules 21
13 47 Facility Protection 21
13 48 Sound, Vibration, And Seismic Control 22
13 49 Radiation Protection 23

14 Conveying Equipment 1
14 01 Operation And Maintenance Of Conveying Equipment 1
14 01 20 Operation And Maintenance Of Elevators 1
14 01 30 Operation And Maintenance Of Escalators And Moving Walks 2
14 20 Elevators 3
14 24 Hydraulic Elevators 3
14 26 Limited-Use/Limited-Application Elevators 7
14 90 Other Conveying Equipment 7
14 91 Facility Chutes 7
14 92 Pneumatic Tube Systems 8

21 Fire Suppression 1
21 01 Operation and Maintenance of Fire Suppression 1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems 1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment 1
21 05 Common Work Results for Fire Suppression 1
21 05 13 Common Motor Requirements For Fire-Suppression Equipment 1
21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping 1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping 1
21 05 19 Meters And Gages For Fire-Suppression Systems 1
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping 2
21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment 3
21 05 48 Vibration And Seismic Controls for Fire-Suppresion Piping and Equipment 4
21 05 53 Identification For Fire-Suppression Piping And Equipment 4
21 07 Fire-Suppression Systems Insulation 4
21 07 19 Fire-Suppression Piping Insulation 4
21 10 Water-Based Fire-Suppression Systems 4
21 11 Facility Fire-Suppression Water-Service Piping 4
21 12 Fire-Suppression Standpipes 4
21 13 Fire-Suppression Sprinkler Systems 5
21 20 Fire-Extinguishing Systems 32
21 21 Carbon-Dioxide Fire-Extinguishing Systems 33
21 22 Clean-Agent Fire-Extinguishing Systems 33
21 23 Wet-Chemical Fire-Extinguishing Systems 41
21 24 Dry-Chemical Fire-Extinguishing Systems 44
21 30 Fire Pumps 47
21 31 Centrifugal Fire Pumps 47

22 Plumbing 1
22 01 Operation and Maintenance of Plumbing 1
22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps 1
22 01 40 Operation and Maintenance of Plumbing Fixtures 1
22 05 Common Work Results for Plumbing 2
22 05 13 Common Motor Requirements For Plumbing Equipment 2
22 05 16 Expansion Fittings And Loops For Plumbing Piping 2

copyright © 2018 The Gordian Group, Inc.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping 2
22 05 19 Meters And Gages For Plumbing Piping 2
22 05 23 General-Duty Valves For Plumbing Piping 2
22 05 29 Hangers And Supports For Plumbing Piping And Equipment 3
22 05 33 Heat Tracing For Plumbing Piping 3
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment 3
22 05 53 Identification For Plumbing Piping And Equipment 3
22 05 76 Facility Drainage Piping Cleanouts 3
22 07 Plumbing Insulation 6
22 07 16 Plumbing Equipment Insulation 7
22 07 19 Plumbing Piping Insulation 7
22 10 Plumbing Piping 36
22 11 Facility Water Distribution 36
22 12 Facility Potable-Water Storage Tanks 96
22 13 Facility Sanitary Sewerage 98
22 14 Facility Storm Drainage 144
22 15 General Service Compressed-Air Systems 153
22 30 Plumbing Equipment 156
22 31 Domestic Water Softeners 156
22 32 Domestic Water Filtration Equipment 158
22 33 Electric Domestic Water Heaters 159
22 34 Fuel-Fired Domestic Water Heaters 162
22 35 Domestic Water Heat Exchangers 165
22 40 Plumbing Fixtures 166
22 41 Residential Plumbing Fixtures 166
22 42 Commercial Plumbing Fixtures 166
22 43 Healthcare Plumbing Fixtures 181
22 45 Emergency Plumbing Fixtures 182
22 46 Security Plumbing Fixtures 186
22 47 Drinking Fountains And Water Coolers 188
22 50 Pool And Fountain Plumbing Systems 190
22 51 Swimming Pool Plumbing Systems 190
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities 192
22 63 Gas Systems For Laboratory And Healthcare Facilities 192
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities 192

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

23 01 Operation and Maintenance of HVAC Systems 1
23 01 10 Operation and Maintenance of Facility Fuel Systems 1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps 1
23 01 30 Operation and Maintenance of HVAC Air Distribution 2
23 01 50 Operation and Maintenance of Central Heating Equipment 3
23 01 60 Operation and Maintenance of Central Cooling Equipment 4
23 05 Common Work Results For HVAC 4
23 05 13 Common Motor Requirements For HVAC Equipment 4
23 05 16 Expansion Fittings And Loops For HVAC Piping 7
23 05 17 Sleeves and Sleeve Seals for HVAC Piping 8
23 05 19 Meters And Gages For HVAC Piping 9
23 05 23 General-Duty Valves For HVAC Piping 12
23 05 29 Hangers And Supports For HVAC Piping And Equipment 31
23 05 33 Heat Tracing For HVAC Piping 59
23 05 48 Vibration and Seismic Controls for HVAC 59
23 05 53 Identification For HVAC Piping And Equipment 64
23 05 93 Testing, Adjusting, And Balancing For HVAC 64
23 07 HVAC Insulation 67
23 07 13 Duct Insulation 67
23 07 16 HVAC Equipment Insulation 68
23 07 19 HVAC Piping Insulation 69
23 08 Commissioning Of HVAC 72
23 09 Instrumentation And Control For HVAC 72
23 09 13 Instrumentation And Control Devices For HVAC 72
23 09 23 Direct-Digital Control System For HVAC 73
23 10 Facility Fuel Systems 91
23 11 Facility Fuel Piping 91
23 12 Facility Fuel Pumps 98
23 13 Facility Fuel-Storage Tanks 98
23 20 HVAC Piping And Pumps 107
23 21 Hydronic Piping And Pumps 107

copyright © 2018 The Gordian Group, Inc.

23 22 Steam And Condensate Piping And Pumps ... 191
23 23 Refrigerant Piping ... 197
23 25 HVAC Water Treatment ... 202
23 30 HVAC Air Distribution ... 202
23 31 HVAC Ducts And Casings ... 202
23 33 Air Duct Accessories ... 264
23 34 HVAC Fans ... 307
23 35 Special Exhaust Systems ... 323
23 36 Air Terminal Units ... 325
23 37 Air Outlets And Inlets ... 328
23 38 Ventilation Hoods ... 343
23 40 HVAC Air Cleaning Devices ... 345
23 41 Particulate Air Filtration ... 345
23 42 Gas-Phase Air Filtration ... 351
23 44 Ultraviolet HVAC Microbial Control ... 351
23 50 Central Heating Equipment ... 353
23 51 Breechings, Chimneys, And Stacks ... 353
23 52 Heating Boilers ... 374
23 53 Heating Boiler Feedwater Equipment ... 392
23 54 Furnaces ... 393
23 55 Fuel-Fired Heaters ... 395
23 57 Heat Exchangers for HVAC ... 396
23 60 Central Cooling Equipment ... 398
23 61 Refrigerant Compressors ... 398
23 62 Packaged Compressor and Condenser Units ... 399
23 63 Refrigerant Condensers ... 400
23 64 Packaged Water Chillers ... 402
23 65 Cooling Towers ... 406
23 70 Central HVAC Equipment ... 410
23 71 Thermal Storage ... 410
23 72 Air-To-Air Energy Recovery Equipment ... 410
23 73 Indoor Central-Station Air-Handling Units ... 411
23 74 Packaged Outdoor HVAC Equipment ... 430
23 76 Evaporative Air-Cooling Equipment ... 439
23 80 Decentralized Unitary HVAC Equipment ... 439
23 81 Decentralized Unitary HVAC Equipment ... 439
23 82 Convection Heating And Cooling Units ... 452
23 83 Radiant Heating Units ... 468
23 84 Humidity Control Equipment ... 468

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems ... 1
26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ... 1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ... 2
26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment ... 2
26 01 50 Operation and Maintenance of Lighting ... 2
26 05 Common Work Results For Electrical ... 15
26 05 13 Medium-Voltage Cables ... 15
26 05 19 Low-Voltage Electrical Power Conductors And Cables ... 20
26 05 23 Control-Voltage Electrical Power Cables ... 36
26 05 26 Grounding And Bonding For Electrical Systems ... 37
26 05 29 Hangers And Supports For Electrical Systems ... 41
26 05 33 Raceway And Boxes For Electrical Systems ... 61
26 05 36 Cable Trays For Electrical Systems ... 184
26 05 39 Underfloor Raceways for Electrical Systems ... 271
26 05 43 Underground Ducts And Raceways For Electrical Systems ... 273
26 05 46 Utility Poles for Electrical Systems ... 276
26 05 53 Identification for Electrical Systems ... 283
26 05 83 Wiring Connections ... 284
26 09 Instrumentation and Control for Electrical Systems ... 287
26 09 23 Lighting Control Devices ... 287
26 10 Medium-Voltage Electrical Distribution ... 305
26 11 Substations ... 305
26 12 Medium-Voltage Transformers ... 313
26 13 Medium-Voltage Switchgear ... 317
26 18 Medium-Voltage Circuit Protection Devices ... 318
26 20 Low-Voltage Electrical Distribution ... 319
26 21 Low-Voltage Electrical Service Entrance ... 319

copyright © 2018 The Gordian Group, Inc.

26 22 Low-Voltage Transformers....320
26 24 Switchboards And Panelboards....327
26 25 Enclosed Bus Assemblies....380
26 26 Power Distribution Units....383
26 27 Low-Voltage Distribution Equipment....383
26 28 Low-Voltage Circuit Protective Devices....400
26 29 Low-Voltage Controllers....421
26 30 Facility Electrical Power Generating And Storing Equipment....438
26 31 Photovoltaic Collectors....438
26 32 Packaged Generator Assemblies....441
26 33 Battery Equipment....445
26 35 Power Filters And Conditioners....447
26 36 Transfer Switches....448
26 40 Electrical And Cathodic Protection....450
26 41 Facility Lightning Protection....450
26 43 Surge Protective Devices....453
26 50 Lighting....456
26 51 Interior Lighting....456
26 52 Safety Lighting....479
26 53 Exit Signs....481
26 55 Special Purpose Lighting....482
26 56 Exterior Lighting....484

27 Communications 1

27 05 Common Work Results for Communications....1
27 05 26 Grounding and Bonding for Communications Systems....1
27 05 29 Hangers And Supports For Communications Systems....1
27 05 33 Conduits And Backboxes For Communications Systems....4
27 05 36 Cable Trays For Communications Systems....4
27 05 39 Surface Raceways For Communications Systems....4
27 05 43 Underground Ducts And Raceways For Communications Systems....4
27 05 46 Utility Poles For Communications Systems....4
27 05 53 Identification For Communications Systems....4
27 10 Structured Cabling....4
27 11 Communications Equipment Room Fittings....4
27 14 Communications Cabling....10
27 16 Communications Connecting Cords, Devices, And Adapters....46
27 20 Data Communications....47
27 21 Data Communications Network Equipment....47
27 30 Voice Communications....50
27 31 Voice Communications Switching and Routing Equipment....50
27 32 Voice Communications Terminal Equipment....50
27 40 Audio-Video Communications....51
27 41 Audio-Video Systems....51
27 50 Distributed Communications And Monitoring Systems....52
27 51 Distributed Audio-Video Communications Systems....52
27 52 Healthcare Communications And Monitoring Systems....53
27 53 Distributed Systems....54

28 Electronic Safety And Security 1

28 05 Common Work Results For Electronic Safety And Security....1
28 05 13 Conductors And Cables For Electronic Safety And Security....1
28 05 26 Grounding And Bonding For Electronic Safety And Security....3
28 05 28 Pathways For Electronic Safety And Security....3
28 05 53 Identification For Electronic Safety And Security....4
28 10 Access Control....4
28 15 Access Control Hardware Devices....4
28 16 Access Control Interfaces....4
28 18 Security Access Detection Equipment....10
28 20 Video Surveillance....10
28 21 Surveillance Cameras....10
28 40 Life Safety....29
28 42 Gas Detection and Alarm....29
28 43 Fuel Oil Detection And Alarm....29
28 46 Fire Detection And Alarm....29
28 47 Mass Notification....70
28 49 Electronic Personal Protection Systems....73

copyright © 2018 The Gordian Group, Inc.

31 Earthwork 1
31 01 Maintenance of Earthwork 1
31 01 20 Maintenance of Earth Moving 1
31 05 Common Work Results For Earthwork 1
31 05 13 Soils For Earthwork 1
31 05 16 Aggregates For Earthwork 1
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization 2
31 10 Site Clearing 2
31 11 Clearing And Grubbing 2
31 13 Selective Tree And Shrub Removal And Trimming 3
31 20 Earth Moving 4
31 23 Excavation And Fill 5
31 24 Embankments 13
31 25 Erosion And Sedimentation Controls 14
31 30 Earthwork Methods 18
31 31 Soil Treatment 18
31 32 Soil Stabilization 18
31 36 Gabions 21
31 37 Riprap 21
31 40 Shoring And Underpinning 21
31 41 Shoring 21
31 45 Vibroflotation And Densification 22
31 48 Underpinning 22
31 50 Excavation Support And Protection 22
31 52 Cofferdams 22
31 60 Special Foundations And Load-bearing Elements 23
31 62 Driven Piles 23
31 63 Bored Piles 26
31 64 Caissons 28
31 68 Foundation Anchors 32

32 Exterior Improvements 1
32 01 Operation And Maintenance Of Exterior Improvements 1
32 01 11 Paving Cleaning 1
32 01 13 Flexible Paving Surface Treatment 1
32 01 16 Flexible Paving Rehabilitation 2
32 01 17 Flexible Paving Repair 5
32 01 26 Rigid Paving Rehabilitation 6
32 01 90 Operation And Maintenance Of Planting 6
32 10 Bases, Ballasts, And Paving 10
32 11 Base Courses 10
32 12 Flexible Paving 10
32 13 Rigid Paving 15
32 14 Unit Paving 18
32 15 Aggregate Surfacing 22
32 16 Curbs, Gutters, Sidewalks, And Driveways 22
32 17 Paving Specialties 28
32 18 Athletic And Recreational Surfacing 40
32 30 Site Improvements 48
32 31 Fences And Gates 48
32 32 Retaining Walls 108
32 33 Site Furnishings 114
32 39 Manufactured Site Specialties 119
32 80 Irrigation 121
32 84 Planting Irrigation 121
32 90 Planting 138
32 91 Planting Preparation 138
32 92 Turf And Grasses 141
32 93 Plants 145
32 94 Planting Accessories 181
32 96 Transplanting 184

33 Utilities 1
33 01 Operation And Maintenance Of Utilities 1
33 01 10 Operation And Maintenance Of Water Utilities 1
33 01 30 Operation And Maintenance Of Sewer Utilities 1

copyright © 2018 The Gordian Group, Inc.

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems 44
33 05 Common Work Results For Utilities 44
33 05 07 Trenchless Installation of Utility Piping 45
33 05 61 Concrete Manholes 46
33 05 62 Brick Manholes 47
33 05 63 Concrete Vaults and Chambers 47
33 05 84 Accessories for Utility Structures 57
33 05 97 Identification and Signage for Utilities 60
33 10 Water Utilities 60
33 11 Groundwater Sources 60
33 14 Water Utility Transmission and Distribution 68
33 16 Water Utility Storage Tanks 154
33 19 Water Utility Metering Equipment 154
33 30 Sanitary Sewerage Utilities 155
33 31 Sanitary Sewerage Piping 155
33 32 Sanitary Sewerage Equipment 159
33 34 Onsite Wastewater Disposal 160
33 40 Stormwater Utilities 161
33 41 Subdrainage 161
33 42 Stormwater Conveyance 163
33 44 Storm Utility Water Drains 224
33 46 Stormwater Management 225
33 50 Hydrocarbon Utilities 227
33 52 Hydrocarbon Transmission and Distribution 227
33 53 Hydrocarbon Utility Pressure Regulation 229
33 56 Hydrocarbon Storage 229
33 59 Hydrocarbon Utility Metering 229
33 60 Hydronic And Steam Energy Utilities 230
33 61 Hydronic Energy Distribution 230
33 70 Electrical Utilities 250
33 71 Electrical Utility Transmission And Distribution 250

34 Transportation 1
34 40 Transportation Signaling and Control Equipment 1
34 41 Roadway Signaling and Control Equipment 1
34 70 Transportation Construction And Equipment 10
34 71 Roadway Construction 10

35 Waterway and Marine Construction 1
35 01 Operation And Maintenance Of Waterway and Marine Construction 1
35 01 70 Operation And Maintenance Of Dams 1
35 05 Common Work Results for Waterway and Marine Construction 1
35 05 70 Common Work Results for Dams 1
35 20 Waterway and Marine Construction and Equipment 1
35 22 Hydraulic Gates 1
35 24 Dredging 4

40 Process Interconnections 1
40 05 Common Work Results For Process Interconnections 1
40 05 19 Ductile Iron Process Pipe 1
40 05 23 Stainless Steel Process Pipe and Tubing 96
40 05 41 Glass Process Pipe 128

41 Material Processing And Handling Equipment 1
41 01 Operation And Maintenance Of Material Processing And Handling Equipment 1
41 01 20 Operation And Maintenance Of Piece Material Handling Equipment 1
41 20 Piece Material Handling Equipment 1
41 22 Cranes And Hoists 1

43 Process Gas and Liquid Handling, Purification, and Storage Equipment 1
43 20 Liquid Handling Equipment 1
43 23 Dry Location Liquid Pumps 1
43 24 Suspended Liquid Pumps 1
43 40 Gas and Liquid Storage 1

copyright © 2018 The Gordian Group, Inc.

43 42 Pressurized Tanks And Vessels 1

copyright © 2018 The Gordian Group, Inc.

THIS PAGE INTENTIONALLY LEFT BLANK

copyright © 2018 The Gordian Group, Inc.

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in July 2018.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

MasterFormat® is produced jointly by CSI and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For license information, contact CSI at csi@csinet.org. For more information on *MasterFormat* visit www.MasterFormat.com

The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

copyright © 2018 The Gordian Group, Inc.

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

PROJECT RELATED COSTS:

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

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor

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

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

copyright © 2018 The Gordian Group, Inc.

2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying

copyright © 2018 The Gordian Group, Inc.

required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

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

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

copyright © 2018 The Gordian Group, Inc.

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

copyright © 2018 The Gordian Group, Inc.

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

π = 3.14159

United Inch

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

TRADEMARKS

☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

copyright © 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 20 Price And Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

Note: Provide digital copies of photographs.

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

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

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

01 22 16 00-0002	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is $1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = $125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	1.00

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Minimum Charge *(01 22 20)*

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 22 20 00-0002	EA	Carpenter Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	861.34
01 22 20 00-0003	EA	Carpet, Linoleum Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	884.02
01 22 20 00-0004	EA	Cement Mason Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	624.16
01 22 20 00-0005	EA	Drywall Finisher Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	738.20
01 22 20 00-0006	EA	Drywall Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	835.66
01 22 20 00-0007	EA	Electrician Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	879.69
01 22 20 00-0008	EA	Glazier Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	775.06
01 22 20 00-0009	EA	Insulator Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	766.45
01 22 20 00-0010	EA	Laborer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	565.69
01 22 20 00-0011	EA	Landscape Maintenance Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	690.69
01 22 20 00-0012	EA	Ornamental Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	827.19
01 22 20 00-0013	EA	Painter, Ordinary Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	695.44
01 22 20 00-0014	EA	Plasterer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	770.43
01 22 20 00-0015	EA	Plumber Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	935.35
01 22 20 00-0016	EA	Roofer, Tile/Slate Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	847.64
01 22 20 00-0017	EA	Roofer, Composite Built-Up Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	847.64
01 22 20 00-0018	EA	Sheet Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	894.25
01 22 20 00-0019	EA	Sprinkler Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	784.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0020	EA	Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	749.73	

01 22 20 00-0021 Local Labor/Wage Rates *(01 22 20)*

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

01 22 20 00-0022	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	60.37	
		For Foreman, Add	*3.02*	
		For Apprentice, Deduct	*-12.07*	
01 22 20 00-0023	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.68	
		For Foreman, Add	*4.63*	
		For Apprentice, Deduct	*-18.54*	
01 22 20 00-0024	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.28	
		For Foreman, Add	*4.31*	
		For Apprentice, Deduct	*-17.26*	
01 22 20 00-0025	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.45	
		For Foreman, Add	*4.27*	
		For Apprentice, Deduct	*-17.09*	
01 22 20 00-0026	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.04	
		For Foreman, Add	*4.60*	
		For Apprentice, Deduct	*-18.41*	
01 22 20 00-0027	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	98.00	
		For Foreman, Add	*4.90*	
		For Apprentice, Deduct	*-19.60*	
01 22 20 00-0028	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.77	
		For Foreman, Add	*3.59*	
		For Apprentice, Deduct	*-14.35*	
01 22 20 00-0029	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.90	
		For Foreman, Add	*4.15*	
		For Apprentice, Deduct	*-16.58*	
01 22 20 00-0030	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	91.21	
		For Foreman, Add	*4.56*	
		For Apprentice, Deduct	*-18.24*	
01 22 20 00-0031	HR	Equipment Operator, Heavy (Crane) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	89.52	
		For Foreman, Add	*4.48*	
		For Apprentice, Deduct	*-17.90*	
01 22 20 00-0032	HR	Equipment Operator, Medium (Bulldozer) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	89.03	
		For Foreman, Add	*4.45*	
		For Apprentice, Deduct	*-17.81*	
01 22 20 00-0033	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	84.01	
		For Foreman, Add	*4.20*	
		For Apprentice, Deduct	*-16.80*	
01 22 20 00-0034	HR	Glazier Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.63	
		For Foreman, Add	*4.53*	
		For Apprentice, Deduct	*-18.13*	
01 22 20 00-0035	HR	Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	67.59	
01 22 20 00-0036	HR	Lather Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.71	
		For Foreman, Add	*4.29*	
		For Apprentice, Deduct	*-17.14*	
01 22 20 00-0037	HR	Marble Setter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.55	
		For Foreman, Add	*4.83*	
		For Apprentice, Deduct	*-19.31*	
01 22 20 00-0038	HR	Millwright Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.92	
		For Foreman, Add	*4.40*	
		For Apprentice, Deduct	*-17.58*	
01 22 20 00-0039	HR	Mold Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	72.97	
		For Foreman, Add	*3.65*	
		For Apprentice, Deduct	*-14.59*	
01 22 20 00-0040	HR	Painter, Ordinary Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.68	
		For Foreman, Add	*4.03*	
		For Apprentice, Deduct	*-16.14*	
01 22 20 00-0041	HR	Painter, Structural Steel Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.57	
		For Foreman, Add	*4.13*	
		For Apprentice, Deduct	*-16.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0042	HR	Paperhanger	82.07	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.10*	
		For Apprentice, Deduct	*-16.41*	
01 22 20 00-0043	HR	Pile Drivers	100.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*5.02*	
		For Apprentice, Deduct	*-20.08*	
01 22 20 00-0044	HR	Plasterer	83.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.19*	
		For Apprentice, Deduct	*-16.76*	
01 22 20 00-0045	HR	Plumber	91.92	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.60*	
		For Apprentice, Deduct	*-18.38*	
01 22 20 00-0046	HR	Powderman	71.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.60*	
		For Apprentice, Deduct	*-14.39*	
01 22 20 00-0047	HR	Rodman (Reinforcing)/Ornamental Steel Worker	81.69	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.08*	
		For Apprentice, Deduct	*-16.34*	
01 22 20 00-0048	HR	Roofer, Composite	87.21	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.36*	
		For Apprentice, Deduct	*-17.44*	
01 22 20 00-0049	HR	Roofer, Metal	119.60	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*5.98*	
01 22 20 00-0050	HR	Roofer, Tile/Slate	87.21	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.36*	
		For Apprentice, Deduct	*-17.44*	
01 22 20 00-0051	HR	Sheet Metal Worker	99.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.96*	
		For Apprentice, Deduct	*-19.86*	
01 22 20 00-0052	HR	Sprinkler Installer	73.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.66*	
		For Apprentice, Deduct	*-14.62*	
01 22 20 00-0053	HR	Steam / Pipe Fitter	91.92	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.60*	
		For Apprentice, Deduct	*-18.38*	
01 22 20 00-0054	HR	Stone Mason	85.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.27*	
		For Apprentice, Deduct	*-17.09*	
01 22 20 00-0055	HR	Structural Steel Worker	84.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.23*	
		For Apprentice, Deduct	*-16.93*	
01 22 20 00-0056	HR	Tile Layer	81.22	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.06*	
		For Apprentice, Deduct	*-16.24*	
01 22 20 00-0057	HR	Terrazzo Worker	87.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.36*	
		For Apprentice, Deduct	*-17.45*	
01 22 20 00-0058	HR	Truck Driver, Light	72.06	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.60*	
		For Apprentice, Deduct	*-14.41*	
01 22 20 00-0059	HR	Truck Driver, Heavy	72.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.64*	
		For Apprentice, Deduct	*-14.58*	
01 22 20 00-0060	HR	Class I Diver	186.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0061	HR	Class III Diver Tender	114.72	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0062	HR	D1 Certified Welder	92.01	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0063 Rates For Services *(01 22 20)*

01 22 20 00-0064	HR	Watchman/Guard, Unarmed	26.34	
01 22 20 00-0065	HR	Watchman/Guard, Armed	29.86	
01 22 20 00-0066	HR	OSHA Testing	71.25	
01 22 20 00-0067	HR	Surveyor	75.00	
01 22 20 00-0068	HR	On-Site Certified Materials Testing Technician	43.35	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0069	HR	Certified Industrial Hygienist	118.05	
01 22 20 00-0070	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.54	
01 22 20 00-0071	HR	Industrial Hygienist	75.65	
01 22 20 00-0072	EA	Security Badge, Processing Fee	49.47	
01 22 20 00-0073	HR	Biologist	132.00	
01 22 20 00-0074	HR	Ecologist	145.00	

01 22 20 00-0075 Rates For Architectural And Engineering Services *(01 22 20)*

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

01 22 20 00-0076	HR	Principal Architect	200.00	
01 22 20 00-0077	HR	Senior Architect	177.00	
01 22 20 00-0078	HR	Architect	133.00	
01 22 20 00-0079	HR	Principal Engineer	200.00	
01 22 20 00-0080	HR	Senior Engineer	150.00	
01 22 20 00-0081	HR	Engineer	120.00	
01 22 20 00-0082	HR	Draftsman	70.00	
01 22 20 00-0083	HR	Project Manager	112.50	

01 22 20 00-0084 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0085	DAY	Pilot Vehicle With Driver Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	830.84	
01 22 20 00-0086	HR	Flagperson For Traffic Control	67.59	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

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

01 22 23 00-0002 Manlifts *(01 22 23 00-0001)*

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

01 22 23 00-0003 Telescoping Boom Manlifts *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts *(01 22 23 00-0003)*

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

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Manlift	443.76	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Manlift	1,116.57	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Manlift	2,505.12	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Manlift	651.33	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Manlift	1,553.18	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Manlift	3,399.81	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Manlift	1,266.88	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Manlift	3,070.57	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Manlift	6,441.75	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Manlift	1,803.69	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Manlift	4,343.17	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Manlift	10,822.14	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Manlift	2,197.35	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Manlift	5,604.32	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Manlift	12,740.35	

01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*

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

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Manlift	303.82	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Manlift	762.31	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Manlift	1,833.97	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Manlift	386.68	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Manlift	845.17	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Manlift	2,098.02	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Manlift	497.16	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Manlift	1,148.99	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Manlift	2,568.66	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Manlift	867.27	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Manlift	2,043.88	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Manlift	4,970.50	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Manlift	1,684.82	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Manlift	3,977.28	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Manlift	9,722.24	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*

Note: For use on paved surfaces.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Manlift	303.82	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Manlift	762.31	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Manlift	1,833.97	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Manlift	303.82	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Manlift	762.31	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Manlift	1,833.97	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Manlift	375.63	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Manlift	812.03	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Manlift	2,016.26	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Manlift	375.63	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Manlift	812.03	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Manlift	2,016.26	

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

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

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

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	189.06	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	378.11	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	773.42	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	206.24	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	412.49	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	824.98	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	266.40	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	532.80	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,142.94	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	343.74	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	678.89	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,503.86	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	369.52	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	721.85	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,632.76	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	481.24	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,194.50	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,325.68	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

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

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	386.71	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	756.23	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,847.60	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	395.30	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	902.32	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,976.50	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	438.27	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,005.44	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,234.31	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	464.05	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,082.78	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,663.98	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	867.94	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,907.76	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	4,692.05	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	181.73	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	514.90	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	1,039.89	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	252.40	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	535.09	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,049.98	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	424.03	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	1,029.79	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	3,008.61	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	454.32	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	1,130.75	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	3,402.35	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	242.30	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	484.61	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	969.22	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	242.30	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	484.61	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	1,007.58	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0105		**Bucket Trucks** *(01 22 23 00-0001)*		
		Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106	DAY	29' Bucket Truck With Full-Time Operator	1,133.10	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-0107	WK	29' Bucket Truck With Full-Time Operator	4,565.51	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-0108	MO	29' Bucket Truck With Full-Time Operator	16,766.84	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-0109	DAY	48' Bucket Truck With Full-Time Operator	1,383.10	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-0110	WK	48' Bucket Truck With Full-Time Operator	5,315.51	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-0111	MO	48' Bucket Truck With Full-Time Operator	18,066.84	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-0112	DAY	62' Bucket Truck With Full-Time Operator	1,783.10	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-0113	WK	62' Bucket Truck With Full-Time Operator	6,215.51	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-0114	MO	62' Bucket Truck With Full-Time Operator	21,566.84	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-0115	DAY	85' Bucket Truck With Full-Time Operator	2,083.10	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-0116	WK	85' Bucket Truck With Full-Time Operator	7,115.51	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-0117	MO	85' Bucket Truck With Full-Time Operator	24,066.84	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-0118		**Air Equipment** *(01 22 23)*		
01 22 23 00-0119		**Air Compressors** *(01 22 23 00-0118)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0120	DAY	100 CFM Diesel Powered Portable Air Compressor	150.63	
01 22 23 00-0121	WK	100 CFM Diesel Powered Portable Air Compressor	451.89	
01 22 23 00-0122	MO	100 CFM Diesel Powered Portable Air Compressor	1,255.25	
01 22 23 00-0123	DAY	130 CFM Diesel Powered Portable Air Compressor	180.76	
01 22 23 00-0124	WK	130 CFM Diesel Powered Portable Air Compressor	532.23	
01 22 23 00-0125	MO	130 CFM Diesel Powered Portable Air Compressor	1,506.30	
01 22 23 00-0126	DAY	185 CFM Diesel Powered Portable Air Compressor	241.01	
01 22 23 00-0127	WK	185 CFM Diesel Powered Portable Air Compressor	542.27	
01 22 23 00-0128	MO	185 CFM Diesel Powered Portable Air Compressor	1,195.00	
01 22 23 00-0129	DAY	375 CFM Diesel Powered Portable Air Compressor	341.43	
01 22 23 00-0130	WK	375 CFM Diesel Powered Portable Air Compressor	863.61	
01 22 23 00-0131	MO	375 CFM Diesel Powered Portable Air Compressor	2,058.61	
01 22 23 00-0132	DAY	600 CFM Diesel Powered Portable Air Compressor	759.18	
01 22 23 00-0133	WK	600 CFM Diesel Powered Portable Air Compressor	1,827.64	
01 22 23 00-0134	MO	600 CFM Diesel Powered Portable Air Compressor	4,555.05	
01 22 23 00-0135	DAY	750 CFM Diesel Powered Portable Air Compressor	913.82	
01 22 23 00-0136	WK	750 CFM Diesel Powered Portable Air Compressor	2,249.41	
01 22 23 00-0137	MO	750 CFM Diesel Powered Portable Air Compressor	5,523.10	
01 22 23 00-0138	DAY	825 CFM Diesel Powered Portable Air Compressor	913.82	
01 22 23 00-0139	WK	825 CFM Diesel Powered Portable Air Compressor	2,249.41	
01 22 23 00-0140	MO	825 CFM Diesel Powered Portable Air Compressor	5,523.10	
01 22 23 00-0141	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,064.45	
01 22 23 00-0142	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,385.98	
01 22 23 00-0143	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,362.61	
01 22 23 00-0144	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,325.54	
01 22 23 00-0145	WK	1,600 CFM Diesel Powered Portable Air Compressor	2,982.47	
01 22 23 00-0146	MO	1,600 CFM Diesel Powered Portable Air Compressor	7,953.26	
01 22 23 00-0147		**Negative Air Machines** *(01 22 23 00-0118)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0148	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	106.76	
01 22 23 00-0149	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	438.47	
01 22 23 00-0150	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	1,324.95	
01 22 23 00-0151	EA	Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine	219.12	
		Note: Required if over 800 hours operation.		
01 22 23 00-0152	LF	Discharge Flexible Duct For Negative Air Machine	1.24	
01 22 23 00-0153		**Portable Air Scrubbers** *(01 22 23 00-0118)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0154	DAY	200 to 1,000 CFM Portable Air Scrubber	86.25	
01 22 23 00-0155	WK	200 to 1,000 CFM Portable Air Scrubber	358.52	
01 22 23 00-0156	MO	200 to 1,000 CFM Portable Air Scrubber	992.44	
01 22 23 00-0157	DAY	>1,000 to 2,000 CFM Portable Air Scrubber	109.12	
01 22 23 00-0158	WK	>1,000 to 2,000 CFM Portable Air Scrubber	452.05	
01 22 23 00-0159	MO	>1,000 to 2,000 CFM Portable Air Scrubber	1,324.98	
01 22 23 00-0160		**Compaction And Paving Equipment** *(01 22 23)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0161 Pavers And Rollers *(01 22 23 00-0160)*

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

01 22 23 00-0162 Pavers *(01 22 23 00-0161)*

01 22 23 00-0163	DAY	10' Wide Paving Machine With Full-Time Operator	1,647.04	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0164	WK	10' Wide Paving Machine With Full-Time Operator	7,300.41	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0165	MO	10' Wide Paving Machine With Full-Time Operator	28,704.67	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0166 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0161)*

01 22 23 00-0167	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,125.53	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0168	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,811.28	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0169	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	18,743.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0170	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,285.03	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0171	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,997.38	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0172	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	20,534.51	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0173	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,292.28	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0174	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	5,526.13	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0175	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	20,882.51	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0176 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0161)*

01 22 23 00-0177	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,190.78	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0178	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,888.13	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0179	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,186.01	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0180	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,495.28	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0181	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,504.38	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0182	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,129.01	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0183	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,567.78	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0184	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,961.13	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0185	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,405.01	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0186 Towed, Padfoot Rollers *(01 22 23 00-0161)*

01 22 23 00-0187	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	137.75	
01 22 23 00-0188	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	398.75	
01 22 23 00-0189	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,174.50	
01 22 23 00-0190	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	174.00	
01 22 23 00-0191	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	485.75	
01 22 23 00-0192	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	2,066.25	

01 22 23 00-0193 Static Rollers *(01 22 23 00-0161)*

01 22 23 00-0194	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,227.03	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0195	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,199.88	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0196	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	20,208.26	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0197	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,386.53	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0198	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,634.88	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0199	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	21,411.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0200 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0161)*

01 22 23 00-0201	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,176.28	
		For Equipment Without Operator, Deduct	*-712.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0202	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,931.63	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0203	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,975.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0204	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,270.53	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0205	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,207.13	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0206	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,693.51	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0207	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,459.03	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0208	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,758.13	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0209	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,150.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0210 Steel Roadway Plates *(01 22 23 00-0160)*

Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0211	EA	Mobilization of Steel Roadway Plates Note: Mobilization for each site location.	368.71	
01 22 23 00-0212	EA	Place And Remove Steel Roadway Plates	42.47	
01 22 23 00-0213	DAY	1" x 4' x 8' Steel Plate	28.96	
01 22 23 00-0214	WK	1" x 4' x 8' Steel Plate	68.38	
01 22 23 00-0215	MO	1" x 4' x 8' Steel Plate	89.99	
01 22 23 00-0216	DAY	1" x 4' x 10' Steel Plate	38.62	
01 22 23 00-0217	WK	1" x 4' x 10' Steel Plate	86.89	
01 22 23 00-0218	MO	1" x 4' x 10' Steel Plate	106.19	
01 22 23 00-0219	DAY	1" x 5' x 10' Steel Plate	40.22	
01 22 23 00-0220	WK	1" x 5' x 10' Steel Plate	90.91	
01 22 23 00-0221	MO	1" x 5' x 10' Steel Plate	241.35	
01 22 23 00-0222	DAY	1" x 6' x 8' Steel Plate	25.74	
01 22 23 00-0223	WK	1" x 6' x 8' Steel Plate	57.92	
01 22 23 00-0224	MO	1" x 6' x 8' Steel Plate	154.46	
01 22 23 00-0225	DAY	1" x 6' x 10' Steel Plate	48.27	
01 22 23 00-0226	WK	1" x 6' x 10' Steel Plate	63.56	
01 22 23 00-0227	MO	1" x 6' x 10' Steel Plate	169.75	
01 22 23 00-0228	DAY	1" x 6' x 12' Steel Plate	67.58	
01 22 23 00-0229	WK	1" x 6' x 12' Steel Plate	86.48	
01 22 23 00-0230	MO	1" x 6' x 12' Steel Plate	234.11	
01 22 23 00-0231	DAY	1" x 8' x 10' Steel Plate	42.64	
01 22 23 00-0232	WK	1" x 8' x 10' Steel Plate	95.74	
01 22 23 00-0233	MO	1" x 8' x 10' Steel Plate	255.03	
01 22 23 00-0234	DAY	1" x 8' x 12' Steel Plate	77.23	
01 22 23 00-0235	WK	1" x 8' x 12' Steel Plate	95.74	
01 22 23 00-0236	MO	1" x 8' x 12' Steel Plate	463.39	
01 22 23 00-0237	DAY	1" x 8' x 16' Steel Plate	102.98	
01 22 23 00-0238	WK	1" x 8' x 16' Steel Plate	231.70	
01 22 23 00-0239	MO	1" x 8' x 16' Steel Plate	617.86	
01 22 23 00-0240	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.70	0.83
01 22 23 00-0241	EA	Remove And Reset Steel Roadway Plate	23.60	

01 22 23 00-0242 Street Sweepers *(01 22 23 00-0160)*

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

01 22 23 00-0243	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	823.01	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0244	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	3,958.48	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0245	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	16,615.31	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0246	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	1,546.51	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0247	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	6,862.95	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0248	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	26,984.26	
		For Equipment Without Operator, Deduct	*-14,484.64*	

01 22 23 00-0249 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0250 Skid-Steer Loaders *(01 22 23 00-0249)*

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

01 22 23 00-0251	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	890.51	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0252	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	3,933.46	
		For Equipment Without Operator, Deduct	*-3,360.44*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0253	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	15,864.63	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0254	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	948.09	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0255	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	4,037.64	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0256	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	16,093.10	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0257	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	964.54	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0258	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	4,187.52	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0259	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	16,490.65	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0260	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,028.51	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0261	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	4,397.72	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0262	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	17,185.21	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0263	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,138.18	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0264	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	4,813.54	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0265	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	18,208.78	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0266	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	182.78	
01 22 23 00-0267	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	607.74	
01 22 23 00-0268	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,617.60	
01 22 23 00-0269	DAY	Forklift Attachment For Skid-Steer Loaders	39.30	
01 22 23 00-0270	WK	Forklift Attachment For Skid-Steer Loaders	105.10	
01 22 23 00-0271	MO	Forklift Attachment For Skid-Steer Loaders	297.02	
01 22 23 00-0272	DAY	Backhoe Attachment For Skid-Steer Loaders	86.82	
01 22 23 00-0273	WK	Backhoe Attachment For Skid-Steer Loaders	208.37	
01 22 23 00-0274	MO	Backhoe Attachment For Skid-Steer Loaders	518.18	
01 22 23 00-0275	DAY	Broom Attachment For Skid-Steer Loaders	85.91	
01 22 23 00-0276	WK	Broom Attachment For Skid-Steer Loaders	233.04	
01 22 23 00-0277	MO	Broom Attachment For Skid-Steer Loaders	616.88	
01 22 23 00-0278	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	74.94	
01 22 23 00-0279	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	206.54	
01 22 23 00-0280	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	563.88	
01 22 23 00-0281	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	20.65	
01 22 23 00-0282	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	54.04	
01 22 23 00-0283	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	158.94	
01 22 23 00-0284	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	27.81	
01 22 23 00-0285	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	69.14	
01 22 23 00-0286	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	206.62	
01 22 23 00-0287	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	40.52	
01 22 23 00-0288	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	123.18	
01 22 23 00-0289	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	365.56	
01 22 23 00-0290	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	8.23	
01 22 23 00-0291	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	19.19	
01 22 23 00-0292	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	51.18	

01 22 23 00-0293 Bulldozers *(01 22 23 00-0249)*

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

01 22 23 00-0294	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,041.38	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0295	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,859.17	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0296	MO	70 HP, D3 Bulldozer With Full-Time Operator	19,200.65	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0297	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,196.62	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0298	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	5,486.32	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0299	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	21,125.60	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0300	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,637.50	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0301	WK	140 HP, D6 Bulldozer With Full-Time Operator	7,249.82	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0302	MO	140 HP, D6 Bulldozer With Full-Time Operator	26,403.67	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0303	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,028.69	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0304	WK	200 HP, D7 Bulldozer With Full-Time Operator	8,820.83	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0305	MO	200 HP, D7 Bulldozer With Full-Time Operator	31,122.89	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0306	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,494.41	
		For Equipment Without Operator, Deduct	*-712.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0307	WK	335 HP, D8 Bulldozer With Full-Time Operator	10,683.68	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0308	MO	335 HP, D8 Bulldozer With Full-Time Operator	36,711.44	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0309	DAY	460 HP, D9 Bulldozer With Full-Time Operator	2,755.21	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0310	WK	460 HP, D9 Bulldozer With Full-Time Operator	11,720.66	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0311	MO	460 HP, D9 Bulldozer With Full-Time Operator	39,816.19	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0312 Motor Scraper *(01 22 23 00-0249)*

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

01 22 23 00-0313	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	1,738.51	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0314	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	7,666.32	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0315	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	27,651.51	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0316	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,153.22	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0317	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	9,325.16	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0318	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	32,642.10	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0319	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	2,553.88	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0320	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	10,920.74	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0321	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	37,421.82	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0322 Hydraulic Excavators *(01 22 23 00-0249)*

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

01 22 23 00-0323	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,062.74	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0324	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	4,800.97	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0325	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	19,504.36	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0326	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,161.39	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0327	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	5,235.80	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0328	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	21,243.68	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0329	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,192.54	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0330	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	5,398.05	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0331	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	21,529.24	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0332	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,224.99	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0333	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	5,547.32	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0334	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	21,814.80	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0335	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,250.95	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0336	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,703.08	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0337	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	22,100.36	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0338	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,601.41	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0339	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	7,098.43	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0340	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	25,961.91	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0341	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,653.33	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0342	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	7,325.58	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0343	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	26,643.36	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0344	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,750.68	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0345	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	7,714.98	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0346	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	27,811.56	
		For Equipment Without Operator, Deduct	*-15,350.76*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0347	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,861.01	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0348	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	8,149.81	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0349	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	29,109.56	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0350	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,893.46	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0351	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	8,279.61	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0352	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	29,498.96	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0353	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,204.98	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0354	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	9,532.18	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0355	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	33,263.16	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0356	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,652.79	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0357	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	11,310.44	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0358	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	38,584.96	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0359	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	90.86	
01 22 23 00-0360	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	350.46	
01 22 23 00-0361	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0362	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	402.38	
01 22 23 00-0363	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,064.36	
01 22 23 00-0364	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,978.91	
01 22 23 00-0365	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	623.04	
01 22 23 00-0366	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,590.05	
01 22 23 00-0367	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,134.13	
01 22 23 00-0368	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	869.66	
01 22 23 00-0369	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,342.89	
01 22 23 00-0370	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,567.88	
01 22 23 00-0371	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	181.72	
01 22 23 00-0372	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	726.88	
01 22 23 00-0373	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,180.64	
01 22 23 00-0374	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	259.60	
01 22 23 00-0375	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0376	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,115.20	
01 22 23 00-0377	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	285.56	
01 22 23 00-0378	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,129.26	
01 22 23 00-0379	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,374.80	

01 22 23 00-0380 Mini-Excavators *(01 22 23 00-0249)*

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

01 22 23 00-0381	DAY	2,000 LB Mini-Excavator With Full-Time Operator	984.86	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0382	WK	2,000 LB Mini-Excavator With Full-Time Operator	4,333.69	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0383	MO	2,000 LB Mini-Excavator With Full-Time Operator	17,051.14	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0384	DAY	3,500 LB Mini-Excavator With Full-Time Operator	991.35	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0385	WK	3,500 LB Mini-Excavator With Full-Time Operator	4,353.16	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0386	MO	3,500 LB Mini-Excavator With Full-Time Operator	17,460.01	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0387	DAY	6,000 LB Mini-Excavator With Full-Time Operator	1,023.80	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0388	WK	6,000 LB Mini-Excavator With Full-Time Operator	4,444.02	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0389	MO	6,000 LB Mini-Excavator With Full-Time Operator	17,518.42	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0390	DAY	7,500 LB Mini-Excavator With Full-Time Operator	1,036.78	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0391	WK	7,500 LB Mini-Excavator With Full-Time Operator	4,489.45	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0392	MO	7,500 LB Mini-Excavator With Full-Time Operator	17,544.38	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0393	DAY	9,500 LB Mini-Excavator With Full-Time Operator	1,114.66	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0394	WK	9,500 LB Mini-Excavator With Full-Time Operator	4,554.35	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0395	MO	9,500 LB Mini-Excavator With Full-Time Operator	18,297.22	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0396	DAY	11,000 LB Mini-Excavator With Full-Time Operator	1,121.15	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0397	WK	11,000 LB Mini-Excavator With Full-Time Operator	4,878.85	
		For Equipment Without Operator, Deduct	*-3,561.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0398	MO	11,000 LB Mini-Excavator With Full-Time Operator	18,329.67	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0399 Road Graders *(01 22 23 00-0249)*

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

01 22 23 00-0400	DAY	60 HP Road Grader With Full-Time Operator	1,293.44	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0401	WK	60 HP Road Grader With Full-Time Operator	5,133.49	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0402	MO	60 HP Road Grader With Full-Time Operator	20,052.18	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0403	DAY	80 HP Road Grader With Full-Time Operator	1,464.80	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0404	WK	80 HP Road Grader With Full-Time Operator	5,610.33	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0405	MO	80 HP Road Grader With Full-Time Operator	21,497.62	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0406	DAY	130 HP Road Grader With Full-Time Operator	1,348.76	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0407	WK	130 HP Road Grader With Full-Time Operator	6,107.30	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0408	MO	130 HP Road Grader With Full-Time Operator	24,449.07	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0409 Loader-Backhoes With Standard Bucket *(01 22 23 00-0249)*

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

01 22 23 00-0410	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,105.90	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0411	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,496.24	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0412	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	17,550.84	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0413	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,148.08	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0414	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,643.85	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0415	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	18,450.55	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0416	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,213.10	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0417	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,805.51	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0418	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	18,914.46	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0419	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,503.04	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0420	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,670.08	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0421	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	21,388.67	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0422 Heavy Duty Construction Loaders *(01 22 23 00-0249)*

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

01 22 23 00-0423	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,177.03	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0424	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	5,398.93	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0425	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	20,856.26	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0426	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,563.13	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0427	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,820.78	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0428	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	21,070.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0429	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,648.93	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0430	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	6,049.58	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0431	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	21,642.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0432	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,884.88	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0433	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	6,671.63	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0434	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	23,215.76	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0435	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,492.63	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0436	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,668.48	
		For Equipment Without Operator, Deduct	*-3,561.38*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0437		MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	36,657.76	
			For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0438		DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,496.56	
			For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0439		WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	22,344.23	
			For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0440		MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	66,539.11	
			For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0441 Shoring *(01 22 23 00-0249)*

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

01 22 23 00-0442 Aluminum Hydraulic Shoring *(01 22 23 00-0441)*

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

01 22 23 00-0443		WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	58.15
01 22 23 00-0444		MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	171.52
01 22 23 00-0445		WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	78.01
01 22 23 00-0446		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	230.08
01 22 23 00-0447		WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	144.65
01 22 23 00-0448		MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	426.70
01 22 23 00-0449		EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	21.22
01 22 23 00-0450		EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	33.95
01 22 23 00-0451		EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	56.58

01 22 23 00-0452 Trench Boxes/Trench Shields *(01 22 23 00-0249)*

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

01 22 23 00-0453		WK	4' x 6' Trench Box With Up To 48" Spreaders	147.61
01 22 23 00-0454		MO	4' x 6' Trench Box With Up To 48" Spreaders	442.82
01 22 23 00-0455		WK	6' x 6' Trench Box With Up To 48" Spreaders	166.65
01 22 23 00-0456		MO	6' x 6' Trench Box With Up To 48" Spreaders	499.96
01 22 23 00-0457		WK	8' x 6' Trench Box With Up To 48" Spreaders	176.18
01 22 23 00-0458		MO	8' x 6' Trench Box With Up To 48" Spreaders	528.53
01 22 23 00-0459		WK	4' x 8' Trench Box With Up To 48" Spreaders	161.89
01 22 23 00-0460		MO	4' x 8' Trench Box With Up To 48" Spreaders	485.67
01 22 23 00-0461		WK	6' x 8' Trench Box With Up To 48" Spreaders	190.46
01 22 23 00-0462		MO	6' x 8' Trench Box With Up To 48" Spreaders	571.38
01 22 23 00-0463		WK	8' x 8' Trench Box With Up To 48" Spreaders	214.27
01 22 23 00-0464		MO	8' x 8' Trench Box With Up To 48" Spreaders	642.80
01 22 23 00-0465		WK	4' x 10' Trench Box With Up To 48" Spreaders	180.94
01 22 23 00-0466		MO	4' x 10' Trench Box With Up To 48" Spreaders	542.81
01 22 23 00-0467		WK	6' x 10' Trench Box With Up To 48" Spreaders	214.27
01 22 23 00-0468		MO	6' x 10' Trench Box With Up To 48" Spreaders	642.80
01 22 23 00-0469		WK	8' x 10' Trench Box With Up To 48" Spreaders	261.88
01 22 23 00-0470		MO	8' x 10' Trench Box With Up To 48" Spreaders	780.89
01 22 23 00-0471		WK	4' x 12' Trench Box With Up To 48" Spreaders	214.27
01 22 23 00-0472		MO	4' x 12' Trench Box With Up To 48" Spreaders	642.80
01 22 23 00-0473		WK	6' x 12' Trench Box With Up To 48" Spreaders	261.88
01 22 23 00-0474		MO	6' x 12' Trench Box With Up To 48" Spreaders	785.65
01 22 23 00-0475		WK	8' x 12' Trench Box With Up To 48" Spreaders	333.30
01 22 23 00-0476		MO	8' x 12' Trench Box With Up To 48" Spreaders	999.92
01 22 23 00-0477		WK	4' x 14' Trench Box With Up To 48" Spreaders	238.08
01 22 23 00-0478		MO	4' x 14' Trench Box With Up To 48" Spreaders	714.22
01 22 23 00-0479		WK	6' x 14' Trench Box With Up To 48" Spreaders	309.50
01 22 23 00-0480		MO	6' x 14' Trench Box With Up To 48" Spreaders	928.49
01 22 23 00-0481		WK	8' x 14' Trench Box With Up To 48" Spreaders	380.92
01 22 23 00-0482		MO	8' x 14' Trench Box With Up To 48" Spreaders	1,142.76
01 22 23 00-0483		WK	4' x 16' Trench Box With Up To 48" Spreaders	261.88
01 22 23 00-0484		MO	4' x 16' Trench Box With Up To 48" Spreaders	785.65
01 22 23 00-0485		WK	6' x 16' Trench Box With Up To 48" Spreaders	357.11
01 22 23 00-0486		MO	6' x 16' Trench Box With Up To 48" Spreaders	1,071.34
01 22 23 00-0487		WK	8' x 16' Trench Box With Up To 48" Spreaders	428.54
01 22 23 00-0488		MO	8' x 16' Trench Box With Up To 48" Spreaders	1,285.60
01 22 23 00-0489		WK	4' x 20' Trench Box With Up To 48" Spreaders	309.50
01 22 23 00-0490		MO	4' x 20' Trench Box With Up To 48" Spreaders	928.49
01 22 23 00-0491		WK	6' x 20' Trench Box With Up To 48" Spreaders	428.54
01 22 23 00-0492		MO	6' x 20' Trench Box With Up To 48" Spreaders	1,285.60
01 22 23 00-0493		WK	8' x 20' Trench Box With Up To 48" Spreaders	499.96
01 22 23 00-0494		MO	8' x 20' Trench Box With Up To 48" Spreaders	1,499.87
01 22 23 00-0495		WK	4' x 24' Trench Box With Up To 48" Spreaders	428.54
01 22 23 00-0496		MO	4' x 24' Trench Box With Up To 48" Spreaders	1,285.60
01 22 23 00-0497		WK	6' x 24' Trench Box With Up To 48" Spreaders	523.76
01 22 23 00-0498		MO	6' x 24' Trench Box With Up To 48" Spreaders	1,571.30
01 22 23 00-0499		WK	8' x 24' Trench Box With Up To 48" Spreaders	571.38
01 22 23 00-0500		MO	8' x 24' Trench Box With Up To 48" Spreaders	1,714.14

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0501	WK	For Spreaders >48" To 84", Add	14.28	
01 22 23 00-0502	MO	For Spreaders >48" To 84", Add	42.85	
01 22 23 00-0503	WK	For Spreaders >84" To 120", Add	85.71	
01 22 23 00-0504	MO	For Spreaders >84" To 120", Add	257.12	
01 22 23 00-0505	WK	For Spreaders >120", Add	180.94	
01 22 23 00-0506	MO	For Spreaders >120", Add	542.81	
01 22 23 00-0507	WK	8' x 4' Manhole Box	224.98	
01 22 23 00-0508	MO	8' x 4' Manhole Box	674.94	
01 22 23 00-0509	WK	8' x 8' Manhole Box	321.40	
01 22 23 00-0510	MO	8' x 8' Manhole Box	964.20	

01 22 23 00-0511 Trenchers *(01 22 23 00-0249)*

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

01 22 23 00-0512	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,042.94	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0513	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,687.68	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0514	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	18,450.66	
		For Equipment Without Operator, Deduct	*-15,350.76*	
01 22 23 00-0515	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,600.92	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0516	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,568.28	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0517	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	23,617.16	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0518 Portable Sediment Tank *(01 22 23 00-0249)*

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

01 22 23 00-0519	WK	Portable Sediment Tank	110.09	
01 22 23 00-0520	MO	Portable Sediment Tank	322.94	

01 22 23 00-0521 Heavy Equipment Mats *(01 22 23 00-0249)*

Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0522	Day	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	14.40	
01 22 23 00-0523	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	34.29	
01 22 23 00-0524	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	72.00	
01 22 23 00-0525	Day	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	15.12	
01 22 23 00-0526	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	36.00	
01 22 23 00-0527	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	75.60	
01 22 23 00-0528	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	12.24	
01 22 23 00-0529	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.80	
01 22 23 00-0530	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.20	
01 22 23 00-0531	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	13.68	
01 22 23 00-0532	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	32.40	
01 22 23 00-0533	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	68.40	
01 22 23 00-0534	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	15.12	
01 22 23 00-0535	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	36.00	
01 22 23 00-0536	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	75.60	
01 22 23 00-0537	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	16.56	
01 22 23 00-0538	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	39.43	
01 22 23 00-0539	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	82.80	
01 22 23 00-0540	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	12.96	
01 22 23 00-0541	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.00	
01 22 23 00-0542	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	64.80	
01 22 23 00-0543	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	15.12	
01 22 23 00-0544	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.00	
01 22 23 00-0545	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	75.60	
01 22 23 00-0546	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	18.00	
01 22 23 00-0547	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.60	
01 22 23 00-0548	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	90.00	
01 22 23 00-0549	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	19.44	
01 22 23 00-0550	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	46.29	
01 22 23 00-0551	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.20	
01 22 23 00-0552	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	20.88	
01 22 23 00-0553	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	49.71	
01 22 23 00-0554	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	104.40	
01 22 23 00-0555	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.60	
01 22 23 00-0556	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	51.43	
01 22 23 00-0557	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	108.00	
01 22 23 00-0558	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	6.93	
01 22 23 00-0559	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.32	
01 22 23 00-0560	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	51.95	
01 22 23 00-0561	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	8.28	
01 22 23 00-0562	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.70	
01 22 23 00-0563	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.10	
01 22 23 00-0564	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.46	
01 22 23 00-0565	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.64	
01 22 23 00-0566	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	70.92	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0567	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.08	
01 22 23 00-0568	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.20	
01 22 23 00-0569	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	75.60	
01 22 23 00-0570	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.52	
01 22 23 00-0571	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.80	
01 22 23 00-0572	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.40	
01 22 23 00-0573	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.24	
01 22 23 00-0574	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	33.10	
01 22 23 00-0575	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	99.29	
01 22 23 00-0576	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.19	
01 22 23 00-0577	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.46	
01 22 23 00-0578	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	76.39	
01 22 23 00-0579	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.79	
01 22 23 00-0580	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.48	
01 22 23 00-0581	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	103.43	
01 22 23 00-0582	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.92	
01 22 23 00-0583	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.81	
01 22 23 00-0584	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	89.42	
01 22 23 00-0585	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.89	
01 22 23 00-0586	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.71	
01 22 23 00-0587	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	149.14	
01 22 23 00-0588	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.20	
01 22 23 00-0589	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	52.99	
01 22 23 00-0590	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	158.98	

01 22 23 00-0591 Electrical Equipment *(01 22 23)*

01 22 23 00-0592 Tripod Mounted Floodlights *(01 22 23 00-0591)*

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

01 22 23 00-0593	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	63.36
01 22 23 00-0594	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	149.90
01 22 23 00-0595	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	316.81
01 22 23 00-0596	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	63.36
01 22 23 00-0597	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	185.45
01 22 23 00-0598	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	548.62
01 22 23 00-0599	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	71.09
01 22 23 00-0600	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	193.18
01 22 23 00-0601	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	471.35

01 22 23 00-0602 Trailer Mounted Floodlights *(01 22 23 00-0591)*

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

01 22 23 00-0603	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	177.72
01 22 23 00-0604	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	394.08
01 22 23 00-0605	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	849.97

01 22 23 00-0606 Generator Sets *(01 22 23 00-0591)*

01 22 23 00-0607 Portable, Gas Or Diesel Powered Generator Sets *(01 22 23 00-0606)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0714 for reimbursable fuel fees.

01 22 23 00-0608	DAY	3.6 KW, 8 HP Gas Powered Generator Set	46.37
		For LP Or NG Gas, Add	*5.80*
		For >160 To 320 Hours Usage Per Month, Add	*23.19*
01 22 23 00-0609	WK	3.6 KW, 8 HP Gas Powered Generator Set	167.15
		For LP Or NG Gas, Add	*20.89*
01 22 23 00-0610	MO	3.6 KW, 8 HP Gas Powered Generator Set	463.71
		For LP Or NG Gas, Add	*57.96*
01 22 23 00-0611	DAY	5 KW, 11 HP Gas Powered Generator Set	65.78
		For LP Or NG Gas, Add	*8.22*
01 22 23 00-0612	WK	5 KW, 11 HP Gas Powered Generator Set	210.29
		For LP Or NG Gas, Add	*26.29*
01 22 23 00-0613	MO	5 KW, 11 HP Gas Powered Generator Set	479.89
		For LP Or NG Gas, Add	*59.99*
01 22 23 00-0614	DAY	6.5 KW, 13 HP Gas Powered Generator Set	84.12
		For LP Or NG Gas, Add	*10.52*
01 22 23 00-0615	WK	6.5 KW, 13 HP Gas Powered Generator Set	226.46
		For LP Or NG Gas, Add	*28.31*
01 22 23 00-0616	MO	6.5 KW, 13 HP Gas Powered Generator Set	625.47
		For LP Or NG Gas, Add	*78.18*
01 22 23 00-0617	DAY	10 KW, 18 HP Gas Powered Generator Set	93.82
		For LP Or NG Gas, Add	*11.73*
01 22 23 00-0618	WK	10 KW, 18 HP Gas Powered Generator Set	253.42
		For LP Or NG Gas, Add	*31.68*
01 22 23 00-0619	MO	10 KW, 18 HP Gas Powered Generator Set	727.92
		For LP Or NG Gas, Add	*90.99*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0620		**Towable, Diesel Powered Generator Sets** *(01 22 23 00-0606)* Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0714 for reimbursable fuel fees.		
01 22 23 00-0621	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	193.03	
		For >8 To 16 Hours Usage Per Day, Add	*96.52*	
		For >16 To 24 Hours Usage Per Day, Add	*193.03*	
01 22 23 00-0622	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	504.69	
		For >40 To 80 Hours Usage Per Week, Add	*252.35*	
		For >80 Hours Usage Per Week, Add	*504.69*	
01 22 23 00-0623	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,374.96	
		For >160 To 320 Hours Usage Per Month, Add	*687.48*	
		For >320 Hours Usage Per Month, Add	*1,374.96*	
01 22 23 00-0624	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	303.09	
		For >8 To 16 Hours Usage Per Day, Add	*151.55*	
		For >16 To 24 Hours Usage Per Day, Add	*303.09*	
01 22 23 00-0625	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	899.48	
		For >40 To 80 Hours Usage Per Week, Add	*449.74*	
		For >80 Hours Usage Per Week, Add	*899.48*	
01 22 23 00-0626	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,857.63	
		For >160 To 320 Hours Usage Per Month, Add	*928.82*	
		For >320 Hours Usage Per Month, Add	*1,857.63*	
01 22 23 00-0627	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	332.42	
		For >8 To 16 Hours Usage Per Day, Add	*166.21*	
		For >16 To 24 Hours Usage Per Day, Add	*332.42*	
01 22 23 00-0628	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	928.82	
		For >40 To 80 Hours Usage Per Week, Add	*464.41*	
		For >80 Hours Usage Per Week, Add	*928.82*	
01 22 23 00-0629	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,053.17	
		For >160 To 320 Hours Usage Per Month, Add	*1,026.59*	
		For >320 Hours Usage Per Month, Add	*2,053.17*	
01 22 23 00-0630	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	356.86	
		For >8 To 16 Hours Usage Per Day, Add	*178.43*	
		For >16 To 24 Hours Usage Per Day, Add	*356.86*	
01 22 23 00-0631	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	977.70	
		For >40 To 80 Hours Usage Per Week, Add	*488.85*	
		For >80 Hours Usage Per Week, Add	*977.70*	
01 22 23 00-0632	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,346.48	
		For >160 To 320 Hours Usage Per Month, Add	*1,173.24*	
		For >320 Hours Usage Per Month, Add	*2,346.48*	
01 22 23 00-0633	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	391.08	
		For >8 To 16 Hours Usage Per Day, Add	*195.54*	
		For >16 To 24 Hours Usage Per Day, Add	*391.08*	
01 22 23 00-0634	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,109.69	
		For >40 To 80 Hours Usage Per Week, Add	*554.85*	
		For >80 Hours Usage Per Week, Add	*1,109.69*	
01 22 23 00-0635	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	2,639.79	
		For >160 To 320 Hours Usage Per Month, Add	*1,319.90*	
		For >320 Hours Usage Per Month, Add	*2,639.79*	
01 22 23 00-0636	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	439.96	
		For >8 To 16 Hours Usage Per Day, Add	*219.98*	
		For >16 To 24 Hours Usage Per Day, Add	*439.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0637	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,173.24	
		For >40 To 80 Hours Usage Per Week, Add	*586.62*	
		For >80 Hours Usage Per Week, Add	*1,173.24*	
01 22 23 00-0638	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	2,933.10	
		For >160 To 320 Hours Usage Per Month, Add	*1,466.55*	
		For >320 Hours Usage Per Month, Add	*2,933.10*	
01 22 23 00-0639	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	454.63	
		For >8 To 16 Hours Usage Per Day, Add	*227.32*	
		For >16 To 24 Hours Usage Per Day, Add	*454.63*	
01 22 23 00-0640	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,222.12	
		For >40 To 80 Hours Usage Per Week, Add	*611.06*	
		For >80 Hours Usage Per Week, Add	*1,222.12*	
01 22 23 00-0641	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	3,324.18	
		For >160 To 320 Hours Usage Per Month, Add	*1,662.09*	
		For >320 Hours Usage Per Month, Add	*3,324.18*	
01 22 23 00-0642	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	513.29	
		For >8 To 16 Hours Usage Per Day, Add	*256.65*	
		For >16 To 24 Hours Usage Per Day, Add	*513.29*	
01 22 23 00-0643	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,417.66	
		For >40 To 80 Hours Usage Per Week, Add	*708.83*	
		For >80 Hours Usage Per Week, Add	*1,417.66*	
01 22 23 00-0644	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	3,813.03	
		For >160 To 320 Hours Usage Per Month, Add	*1,906.52*	
		For >320 Hours Usage Per Month, Add	*3,813.03*	
01 22 23 00-0645	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	537.74	
		For >8 To 16 Hours Usage Per Day, Add	*268.87*	
		For >16 To 24 Hours Usage Per Day, Add	*537.74*	
01 22 23 00-0646	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,490.99	
		For >40 To 80 Hours Usage Per Week, Add	*745.50*	
		For >80 Hours Usage Per Week, Add	*1,490.99*	
01 22 23 00-0647	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	4,204.11	
		For >160 To 320 Hours Usage Per Month, Add	*2,102.06*	
		For >320 Hours Usage Per Month, Add	*4,204.11*	
01 22 23 00-0648	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	562.18	
		For >8 To 16 Hours Usage Per Day, Add	*281.09*	
		For >16 To 24 Hours Usage Per Day, Add	*562.18*	
01 22 23 00-0649	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	1,613.20	
		For >40 To 80 Hours Usage Per Week, Add	*806.60*	
		For >80 Hours Usage Per Week, Add	*1,613.20*	
01 22 23 00-0650	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	4,399.65	
		For >160 To 320 Hours Usage Per Month, Add	*2,199.83*	
		For >320 Hours Usage Per Month, Add	*4,399.65*	
01 22 23 00-0651	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	586.62	
		For >8 To 16 Hours Usage Per Day, Add	*293.31*	
		For >16 To 24 Hours Usage Per Day, Add	*586.62*	
01 22 23 00-0652	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	1,710.98	
		For >40 To 80 Hours Usage Per Week, Add	*855.49*	
		For >80 Hours Usage Per Week, Add	*1,710.98*	
01 22 23 00-0653	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	4,595.19	
		For >160 To 320 Hours Usage Per Month, Add	*2,297.60*	
		For >320 Hours Usage Per Month, Add	*4,595.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0654	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	586.62	
		For >8 To 16 Hours Usage Per Day, Add	*293.31*	
		For >16 To 24 Hours Usage Per Day, Add	*586.62*	
01 22 23 00-0655	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	1,710.98	
		For >40 To 80 Hours Usage Per Week, Add	*855.49*	
		For >80 Hours Usage Per Week, Add	*1,710.98*	
01 22 23 00-0656	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	4,595.19	
		For >160 To 320 Hours Usage Per Month, Add	*2,297.60*	
		For >320 Hours Usage Per Month, Add	*4,595.19*	
01 22 23 00-0657	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	806.60	
		For >8 To 16 Hours Usage Per Day, Add	*403.30*	
		For >16 To 24 Hours Usage Per Day, Add	*806.60*	
01 22 23 00-0658	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,004.28	
		For >40 To 80 Hours Usage Per Week, Add	*1,002.14*	
		For >80 Hours Usage Per Week, Add	*2,004.28*	
01 22 23 00-0659	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	5,866.20	
		For >160 To 320 Hours Usage Per Month, Add	*2,933.10*	
		For >320 Hours Usage Per Month, Add	*5,866.20*	
01 22 23 00-0660	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	855.49	
		For >8 To 16 Hours Usage Per Day, Add	*427.75*	
		For >16 To 24 Hours Usage Per Day, Add	*855.49*	
01 22 23 00-0661	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,053.17	
		For >40 To 80 Hours Usage Per Week, Add	*1,026.59*	
		For >80 Hours Usage Per Week, Add	*2,053.17*	
01 22 23 00-0662	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	6,061.74	
		For >160 To 320 Hours Usage Per Month, Add	*3,030.87*	
		For >320 Hours Usage Per Month, Add	*6,061.74*	
01 22 23 00-0663	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	904.37	
		For >8 To 16 Hours Usage Per Day, Add	*452.19*	
		For >16 To 24 Hours Usage Per Day, Add	*904.37*	
01 22 23 00-0664	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,102.06	
		For >40 To 80 Hours Usage Per Week, Add	*1,051.03*	
		For >80 Hours Usage Per Week, Add	*2,102.06*	
01 22 23 00-0665	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	6,257.28	
		For >160 To 320 Hours Usage Per Month, Add	*3,128.64*	
		For >320 Hours Usage Per Month, Add	*6,257.28*	
01 22 23 00-0666	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	933.70	
		For >8 To 16 Hours Usage Per Day, Add	*466.85*	
		For >16 To 24 Hours Usage Per Day, Add	*933.70*	
01 22 23 00-0667	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,248.71	
		For >40 To 80 Hours Usage Per Week, Add	*1,124.36*	
		For >80 Hours Usage Per Week, Add	*2,248.71*	
01 22 23 00-0668	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	6,648.36	
		For >160 To 320 Hours Usage Per Month, Add	*3,324.18*	
		For >320 Hours Usage Per Month, Add	*6,648.36*	
01 22 23 00-0669	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	977.70	
		For >8 To 16 Hours Usage Per Day, Add	*488.85*	
		For >16 To 24 Hours Usage Per Day, Add	*977.70*	
01 22 23 00-0670	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	2,542.02	
		For >40 To 80 Hours Usage Per Week, Add	*1,271.01*	
		For >80 Hours Usage Per Week, Add	*2,542.02*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0671	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,332.75	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*3,666.38*	
		For >320 Hours Usage Per Month, Add	*7,332.75*	
01 22 23 00-0672	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,143.91	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*571.96*	
		For >16 To 24 Hours Usage Per Day, Add	*1,143.91*	
01 22 23 00-0673	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,957.54	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*1,478.77*	
		For >80 Hours Usage Per Week, Add	*2,957.54*	
01 22 23 00-0674	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,821.60	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*3,910.80*	
		For >320 Hours Usage Per Month, Add	*7,821.60*	
01 22 23 00-0675	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	1,466.55	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*733.28*	
		For >16 To 24 Hours Usage Per Day, Add	*1,466.55*	
01 22 23 00-0676	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	3,813.03	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*1,906.52*	
		For >80 Hours Usage Per Week, Add	*3,813.03*	
01 22 23 00-0677	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	8,799.30	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*4,399.65*	
		For >320 Hours Usage Per Month, Add	*8,799.30*	
01 22 23 00-0678	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	1,813.63	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*906.82*	
		For >16 To 24 Hours Usage Per Day, Add	*1,813.63*	
01 22 23 00-0679	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	4,790.73	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*2,395.37*	
		For >80 Hours Usage Per Week, Add	*4,790.73*	
01 22 23 00-0680	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	11,732.40	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*5,866.20*	
		For >320 Hours Usage Per Month, Add	*11,732.40*	
01 22 23 00-0681	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	1,960.29	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*980.15*	
		For >16 To 24 Hours Usage Per Day, Add	*1,960.29*	
01 22 23 00-0682	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	4,516.97	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*2,258.49*	
		For >80 Hours Usage Per Week, Add	*4,516.97*	
01 22 23 00-0683	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	13,550.92	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*6,775.46*	
		For >320 Hours Usage Per Month, Add	*13,550.92*	
01 22 23 00-0684	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	749.17	
01 22 23 00-0685	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,205.03	

01 22 23 00-0686 Cabling For Generator Sets *(01 22 23 00-0606)*

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

01 22 23 00-0687	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	21.51	
01 22 23 00-0688	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	37.64	
01 22 23 00-0689	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	112.92	
01 22 23 00-0690	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	10.75	
01 22 23 00-0691	WK	50', 4/0 Cable With Camlock Ends For Generator Set	31.29	
01 22 23 00-0692	MO	50', 4/0 Cable With Camlock Ends For Generator Set	87.02	

01 22 23 00-0693 Resistive Loadbanks For Generator Sets *(01 22 23 00-0606)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0714 for reimbursable fuel fees.

01 22 23 00-0694	DAY	100 KW A/C Resistive Loadbank	399.49	
01 22 23 00-0695	WK	100 KW A/C Resistive Loadbank	985.97	
01 22 23 00-0696	MO	100 KW A/C Resistive Loadbank	2,949.40	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0697	DAY	650 KW A/C Resistive Loadbank	673.18	
01 22 23 00-0698	WK	650 KW A/C Resistive Loadbank	1,800.24	
01 22 23 00-0699	MO	650 KW A/C Resistive Loadbank	4,589.84	
01 22 23 00-0700		**Sub-Distribution Panels (Spider Box) For Generator Sets** *(01 22 23 00-0606)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0701	DAY	Sub-Distribution Panel (Spider Box)	52.80	
01 22 23 00-0702	WK	Sub-Distribution Panel (Spider Box)	136.88	
01 22 23 00-0703	MO	Sub-Distribution Panel (Spider Box)	386.19	
01 22 23 00-0704		**Portable Distribution Panels For Generator Sets** *(01 22 23 00-0606)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0705	DAY	200 Amp Portable Spider Box Feeder Panel	117.32	
01 22 23 00-0706	WK	200 Amp Portable Spider Box Feeder Panel	317.75	
01 22 23 00-0707	MO	200 Amp Portable Spider Box Feeder Panel	889.71	
01 22 23 00-0708	DAY	100 Amp Portable Quad Box Panel	95.81	
01 22 23 00-0709	WK	100 Amp Portable Quad Box Panel	249.31	
01 22 23 00-0710	MO	100 Amp Portable Quad Box Panel	708.83	
01 22 23 00-0711	DAY	200 Amp Portable Quad Box Panel	122.21	
01 22 23 00-0712	WK	200 Amp Portable Quad Box Panel	307.98	
01 22 23 00-0713	MO	200 Amp Portable Quad Box Panel	835.93	
01 22 23 00-0714		**Fuel Reimbursement For Generators** *(01 22 23 00-0606)*		
01 22 23 00-0715	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0716		**General Equipment** *(01 22 23)*		
01 22 23 00-0717		**Jacks And Bracing** *(01 22 23 00-0716)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0718		**Manual Hydraulic Jacks** *(01 22 23 00-0717)*		
01 22 23 00-0719	DAY	12 Ton Manual Hydraulic Bottle Jack	1.16	
01 22 23 00-0720	WK	12 Ton Manual Hydraulic Bottle Jack	5.50	
01 22 23 00-0721	MO	12 Ton Manual Hydraulic Bottle Jack	19.78	
01 22 23 00-0722	DAY	20 Ton Manual Hydraulic Bottle Jack	2.02	
01 22 23 00-0723	WK	20 Ton Manual Hydraulic Bottle Jack	6.37	
01 22 23 00-0724	MO	20 Ton Manual Hydraulic Bottle Jack	24.12	
01 22 23 00-0725	DAY	50 Ton Manual Hydraulic Bottle Jack	7.24	
01 22 23 00-0726	WK	50 Ton Manual Hydraulic Bottle Jack	28.10	
01 22 23 00-0727	MO	50 Ton Manual Hydraulic Bottle Jack	101.09	
01 22 23 00-0728	DAY	100 Ton Manual Hydraulic Bottle Jack	10.14	
01 22 23 00-0729	WK	100 Ton Manual Hydraulic Bottle Jack	40.55	
01 22 23 00-0730	MO	100 Ton Manual Hydraulic Bottle Jack	146.06	
01 22 23 00-0731		**Manual Screw Jacks** *(01 22 23 00-0717)*		
01 22 23 00-0732	DAY	10 To 20 Ton Manual Screw Jack	15.04	
01 22 23 00-0733	WK	10 To 20 Ton Manual Screw Jack	40.49	
01 22 23 00-0734	MO	10 To 20 Ton Manual Screw Jack	112.21	
01 22 23 00-0735		**Pressure Washers** *(01 22 23 00-0716)*		
		Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0736	DAY	2,000 PSI Pressure Washer With Full-Time Operator	626.09	
		For Equipment Without Operator, Deduct	*-540.69*	
01 22 23 00-0737	WK	2,000 PSI Pressure Washer With Full-Time Operator	2,920.22	
		For Equipment Without Operator, Deduct	*-2,703.44*	
01 22 23 00-0738	MO	2,000 PSI Pressure Washer With Full-Time Operator	12,204.54	
		For Equipment Without Operator, Deduct	*-11,652.74*	
01 22 23 00-0739	DAY	2,500 PSI Pressure Washer With Full-Time Operator	626.09	
		For Equipment Without Operator, Deduct	*-540.69*	
01 22 23 00-0740	WK	2,500 PSI Pressure Washer With Full-Time Operator	2,920.22	
		For Equipment Without Operator, Deduct	*-2,703.44*	
01 22 23 00-0741	MO	2,500 PSI Pressure Washer With Full-Time Operator	12,204.54	
		For Equipment Without Operator, Deduct	*-11,652.74*	
01 22 23 00-0742	DAY	3,000 PSI Pressure Washer With Full-Time Operator	626.09	
		For Equipment Without Operator, Deduct	*-540.69*	
01 22 23 00-0743	WK	3,000 PSI Pressure Washer With Full-Time Operator	2,920.22	
		For Equipment Without Operator, Deduct	*-2,703.44*	
01 22 23 00-0744	MO	3,000 PSI Pressure Washer With Full-Time Operator	12,204.54	
		For Equipment Without Operator, Deduct	*-11,652.74*	
01 22 23 00-0745	DAY	3,500 PSI Pressure Washer With Full-Time Operator	632.66	
		For Equipment Without Operator, Deduct	*-540.69*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0746	WK	3,500 PSI Pressure Washer With Full-Time Operator		2,939.92	
		For Equipment Without Operator, Deduct		*-2,703.44*	
01 22 23 00-0747	MO	3,500 PSI Pressure Washer With Full-Time Operator		12,257.09	
		For Equipment Without Operator, Deduct		*-11,652.74*	
01 22 23 00-0748	DAY	4,000 PSI Pressure Washer With Full-Time Operator		658.93	
		For Equipment Without Operator, Deduct		*-540.69*	
01 22 23 00-0749	WK	4,000 PSI Pressure Washer With Full-Time Operator		3,025.32	
		For Equipment Without Operator, Deduct		*-2,703.44*	
01 22 23 00-0750	MO	4,000 PSI Pressure Washer With Full-Time Operator		12,552.69	
		For Equipment Without Operator, Deduct		*-11,652.74*	
01 22 23 00-0751	DAY	5,000 PSI Pressure Washer With Full-Time Operator		672.07	
		For Equipment Without Operator, Deduct		*-540.69*	
01 22 23 00-0752	WK	5,000 PSI Pressure Washer With Full-Time Operator		3,058.17	
		For Equipment Without Operator, Deduct		*-2,703.44*	
01 22 23 00-0753	MO	5,000 PSI Pressure Washer With Full-Time Operator		12,651.23	
		For Equipment Without Operator, Deduct		*-11,652.74*	

01 22 23 00-0754 Confined Space Entry Equipment *(01 22 23 00-0716)*

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

01 22 23 00-0755	DAY	Ventilation Equipment For Confined Space		45.24	
		Note: Includes electric or gas blower and ventilation duct up to 25'.			
01 22 23 00-0756	WK	Ventilation Equipment For Confined Space		135.71	
		Note: Includes electric or gas blower and ventilation duct up to 25'.			
01 22 23 00-0757	MO	Ventilation Equipment For Confined Space		404.99	
		Note: Includes electric or gas blower and ventilation duct up to 25'.			
01 22 23 00-0758	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly		35.18	
01 22 23 00-0759	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly		105.54	
01 22 23 00-0760	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly		316.63	
01 22 23 00-0761	DAY	Confined Space Air Monitor Personnel		672.09	
		Note: Per person day.			

01 22 23 00-0762 Space Heaters *(01 22 23 00-0716)*

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

01 22 23 00-0763	DAY	150,000 BTU/Hour Space Heater		49.23	
01 22 23 00-0764	WK	150,000 BTU/Hour Space Heater		141.53	
01 22 23 00-0765	MO	150,000 BTU/Hour Space Heater		399.98	
01 22 23 00-0766	DAY	500,000 BTU/Hour Space Heater		104.61	
01 22 23 00-0767	WK	500,000 BTU/Hour Space Heater		258.45	
01 22 23 00-0768	MO	500,000 BTU/Hour Space Heater		653.50	

01 22 23 00-0769 Mowers *(01 22 23 00-0716)*

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

01 22 23 00-0770	DAY	21" Walk Behind Lawn Mower		51.45	
01 22 23 00-0771	WK	21" Walk Behind Lawn Mower		147.91	
01 22 23 00-0772	MO	21" Walk Behind Lawn Mower		302.26	
01 22 23 00-0773	DAY	32" Walk Behind Lawn Mower		64.31	
01 22 23 00-0774	WK	32" Walk Behind Lawn Mower		154.34	
01 22 23 00-0775	MO	32" Walk Behind Lawn Mower		321.55	
01 22 23 00-0776	DAY	36" To 48" Walk Behind Deck Mower		115.76	
01 22 23 00-0777	WK	36" To 48" Walk Behind Deck Mower		321.55	
01 22 23 00-0778	MO	36" To 48" Walk Behind Deck Mower		932.50	
01 22 23 00-0779	DAY	61" To 72" Walk Behind Deck Mower		115.76	
01 22 23 00-0780	WK	61" To 72" Walk Behind Deck Mower		321.55	
01 22 23 00-0781	MO	61" To 72" Walk Behind Deck Mower		932.50	

01 22 23 00-0782 Material Handling Equipment *(01 22 23)*

01 22 23 00-0783 Truck Mounted Hydraulic Cranes *(01 22 23 00-0782)*

Note: Includes full-time operator. Include delivery, set-up, and removal time in rental period.

01 22 23 00-0784	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,085.11	
		For Equipment Without Operator, Deduct		*-716.18*	
01 22 23 00-0785	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		4,698.54	
		For Equipment Without Operator, Deduct		*-3,580.89*	
01 22 23 00-0786	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		18,798.69	
		For Equipment Without Operator, Deduct		*-15,434.88*	
01 22 23 00-0787	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,182.77	
		For Equipment Without Operator, Deduct		*-716.18*	
01 22 23 00-0788	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		4,988.81	
		For Equipment Without Operator, Deduct		*-3,580.89*	
01 22 23 00-0789	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		19,666.77	
		For Equipment Without Operator, Deduct		*-15,434.88*	
01 22 23 00-0790	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,280.43	
		For Equipment Without Operator, Deduct		*-716.18*	
01 22 23 00-0791	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		5,279.07	
		For Equipment Without Operator, Deduct		*-3,580.89*	
01 22 23 00-0792	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		20,534.85	
		For Equipment Without Operator, Deduct		*-15,434.88*	
01 22 23 00-0793	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,410.64	
		For Equipment Without Operator, Deduct		*-716.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0794	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,669.71	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0795	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	21,701.33	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0796	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,530.00	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0797	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,478.11	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0798	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,124.36	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0799	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,812.13	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0800	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,487.25	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0801	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,153.96	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0802	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,991.17	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0803	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,116.61	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0804	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,046.37	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0805	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,132.24	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0806	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,626.61	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0807	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,574.20	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0808	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,273.30	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0809	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,136.60	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0810	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	32,102.02	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0811	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,365.53	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0812	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,451.28	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0813	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,056.90	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0814	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,486.42	
		For Equipment Without Operator, Deduct	*-712.28*	
01 22 23 00-0815	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,898.36	
		For Equipment Without Operator, Deduct	*-3,561.38*	
01 22 23 00-0816	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,361.71	
		For Equipment Without Operator, Deduct	*-15,350.76*	

01 22 23 00-0817 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes *(01 22 23 00-0782)*

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

01 22 23 00-0818	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,018.30	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0819	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	8,225.12	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0820	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	29,367.56	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0821	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,022.02	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0822	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	9,896.17	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0823	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	34,380.73	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0824	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,184.78	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0825	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,084.36	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0826	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	37,944.19	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0827	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,510.31	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0828	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,272.54	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0829	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,503.32	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0830	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,819.57	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0831	WK	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	14,648.91	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0832	MO	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	48,638.94	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0833	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,329.56	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0834	WK	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	16,477.30	
		For Equipment Without Operator, Deduct	*-3,580.89*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0835	MO	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	54,116.52	
		For Equipment Without Operator, Deduct	*-15,434.88*	
01 22 23 00-0836	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	7,465.50	
		For Equipment Without Operator, Deduct	*-716.18*	
01 22 23 00-0837	WK	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	27,653.83	
		For Equipment Without Operator, Deduct	*-3,580.89*	
01 22 23 00-0838	MO	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	87,659.14	
		For Equipment Without Operator, Deduct	*-15,434.88*	

01 22 23 00-0839 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0782)*

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

01 22 23 00-0840	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	988.93	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0841	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,135.87	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0842	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,152.24	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0843	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,022.29	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0844	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,210.92	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0845	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,319.00	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0846	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,013.95	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0847	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,248.44	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0848	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,569.14	
		For Equipment Without Operator, Deduct	*-14,484.64*	
01 22 23 00-0849	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,109.83	
		For Equipment Without Operator, Deduct	*-672.09*	
01 22 23 00-0850	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,498.58	
		For Equipment Without Operator, Deduct	*-3,360.44*	
01 22 23 00-0851	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	17,152.80	
		For Equipment Without Operator, Deduct	*-14,484.64*	

01 22 23 00-0852 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0782)*

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

01 22 23 00-0853	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	878.04	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*41.19*	
01 22 23 00-0854	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,922.84	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*112.48*	
01 22 23 00-0855	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,771.82	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*257.44*	
01 22 23 00-0856	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	888.88	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*43.36*	
01 22 23 00-0857	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,952.44	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*118.40*	
01 22 23 00-0858	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,839.56	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*270.98*	
01 22 23 00-0859	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	947.24	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*55.03*	
01 22 23 00-0860	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,115.03	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*150.92*	
01 22 23 00-0861	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	16,214.78	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*346.03*	
01 22 23 00-0862	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	979.39	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*61.46*	
01 22 23 00-0863	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,101.10	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*148.13*	
01 22 23 00-0864	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	16,328.42	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*368.76*	

01 22 23 00-0865 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0782)*

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

01 22 23 00-0866	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	847.19	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*35.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0867	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,760.66	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*80.04*	
01 22 23 00-0868	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,443.51	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*191.77*	
01 22 23 00-0869	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	851.36	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*35.85*	
01 22 23 00-0870	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,773.17	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*82.55*	
01 22 23 00-0871	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,472.69	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*197.61*	
01 22 23 00-0872	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	938.91	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*53.36*	
01 22 23 00-0873	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,964.94	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*120.90*	
01 22 23 00-0874	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,943.79	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*291.83*	
01 22 23 00-0875	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	947.24	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*55.03*	
01 22 23 00-0876	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,035.82	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*135.08*	
01 22 23 00-0877	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,193.93	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*341.86*	
01 22 23 00-0878	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,022.29	
		For Equipment Without Operator, Deduct	*-672.09*	
		For Propane Instead Of Gas Or Diesel, Add	*70.04*	
01 22 23 00-0879	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,156.72	
		For Equipment Without Operator, Deduct	*-3,360.44*	
		For Propane Instead Of Gas Or Diesel, Add	*159.26*	
01 22 23 00-0880	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,402.38	
		For Equipment Without Operator, Deduct	*-14,484.64*	
		For Propane Instead Of Gas Or Diesel, Add	*383.55*	

01 22 23 00-0881 Chain Hoists *(01 22 23 00-0782)*

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

01 22 23 00-0882	DAY	1 Ton, 20' Lift, Manual Chain Hoist	1.52
01 22 23 00-0883	WK	1 Ton, 20' Lift, Manual Chain Hoist	6.08
01 22 23 00-0884	MO	1 Ton, 20' Lift, Manual Chain Hoist	20.32
01 22 23 00-0885	DAY	3 Ton, 20' Lift, Manual Chain Hoist	2.89
01 22 23 00-0886	WK	3 Ton, 20' Lift, Manual Chain Hoist	9.85
01 22 23 00-0887	MO	3 Ton, 20' Lift, Manual Chain Hoist	36.54
01 22 23 00-0888	DAY	5 Ton, 20' Lift, Manual Chain Hoist	3.76
01 22 23 00-0889	WK	5 Ton, 20' Lift, Manual Chain Hoist	13.33
01 22 23 00-0890	MO	5 Ton, 20' Lift, Manual Chain Hoist	49.57
01 22 23 00-0891	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	40.26
01 22 23 00-0892	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	161.08
01 22 23 00-0893	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	581.99
01 22 23 00-0894	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	45.19
01 22 23 00-0895	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	179.91
01 22 23 00-0896	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	646.12
01 22 23 00-0897	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	47.80
01 22 23 00-0898	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	192.07
01 22 23 00-0899	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	684.61

01 22 23 00-0900 Pumping Equipment *(01 22 23)*

01 22 23 00-0901 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-0900)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0925 for larger diameter pumps.

01 22 23 00-0902	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	59.29
01 22 23 00-0903	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	133.41
01 22 23 00-0904	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	355.75
01 22 23 00-0905	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	71.15
01 22 23 00-0906	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	160.09
01 22 23 00-0907	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	426.90

01 22 23 00-0908 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-0900)*

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

01 22 23 00-0909	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	68.19
01 22 23 00-0910	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	192.70
01 22 23 00-0911	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	489.16

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0912	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump		83.01	
01 22 23 00-0913	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump		222.34	
01 22 23 00-0914	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump		629.98	

01 22 23 00-0915 Gas Powered Portable Trash Pumps *(01 22 23 00-0900)*

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

01 22 23 00-0916	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump		85.97	
01 22 23 00-0917	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump		177.88	
01 22 23 00-0918	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump		533.63	
01 22 23 00-0919	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump		85.97	
01 22 23 00-0920	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump		229.76	
01 22 23 00-0921	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump		629.98	
01 22 23 00-0922	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump		136.37	
01 22 23 00-0923	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump		385.40	
01 22 23 00-0924	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump		1,119.14	

01 22 23 00-0925 Diesel Powered Portable Trash Pumps *(01 22 23 00-0900)*

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

01 22 23 00-0926	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump		266.81	
01 22 23 00-0927	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump		726.33	
01 22 23 00-0928	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump		3,164.71	
01 22 23 00-0929	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		407.63	
01 22 23 00-0930	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		1,067.26	
01 22 23 00-0931	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		2,838.60	
01 22 23 00-0932	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		554.38	
01 22 23 00-0933	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		1,483.78	
01 22 23 00-0934	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump		3,969.60	
01 22 23 00-0935	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump		717.43	
01 22 23 00-0936	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump		1,832.12	
01 22 23 00-0937	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump		5,380.75	

01 22 23 00-0938 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0900)*

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

01 22 23 00-0939	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		380.95	
01 22 23 00-0940	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		867.15	
01 22 23 00-0941	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		2,703.72	
01 22 23 00-0942	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		466.92	
01 22 23 00-0943	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		1,163.61	
01 22 23 00-0944	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		3,164.71	
01 22 23 00-0945	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		563.27	
01 22 23 00-0946	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		1,666.11	
01 22 23 00-0947	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		4,647.01	
01 22 23 00-0948	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		847.88	
01 22 23 00-0949	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		2,165.64	
01 22 23 00-0950	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump		6,359.07	

01 22 23 00-0951 3 Phase Electric Submersible Pumps *(01 22 23 00-0900)*

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

01 22 23 00-0952	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump		148.23	
01 22 23 00-0953	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump		370.58	
01 22 23 00-0954	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump		1,111.72	
01 22 23 00-0955	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump		195.66	
01 22 23 00-0956	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump		489.16	
01 22 23 00-0957	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump		1,467.48	

01 22 23 00-0958 Suction Hose With Couplings *(01 22 23 00-0900)*

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

01 22 23 00-0959	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings		4.46	
01 22 23 00-0960	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings		11.16	
01 22 23 00-0961	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings		34.22	
01 22 23 00-0962	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings		11.90	
01 22 23 00-0963	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings		30.50	
01 22 23 00-0964	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings		93.00	
01 22 23 00-0965	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings		17.86	
01 22 23 00-0966	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings		45.38	
01 22 23 00-0967	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings		137.64	
01 22 23 00-0968	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings		22.32	
01 22 23 00-0969	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings		55.80	
01 22 23 00-0970	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings		163.68	
01 22 23 00-0971	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings		52.08	
01 22 23 00-0972	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings		133.92	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0973	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	394.32	
01 22 23 00-0974	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	69.94	
01 22 23 00-0975	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	152.52	
01 22 23 00-0976	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	457.56	
01 22 23 00-0977		Discharge Hose With Couplings *(01 22 23 00-0900)*		
		Note: Includes delivery, set-up, and removal.		
01 22 23 00-0978	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	4.46	
01 22 23 00-0979	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.16	
01 22 23 00-0980	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	34.22	
01 22 23 00-0981	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.21	
01 22 23 00-0982	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	12.65	
01 22 23 00-0983	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	39.43	
01 22 23 00-0984	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.95	
01 22 23 00-0985	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.88	
01 22 23 00-0986	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	45.38	
01 22 23 00-0987	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.62	
01 22 23 00-0988	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	40.18	
01 22 23 00-0989	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	115.32	
01 22 23 00-0990	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	19.34	
01 22 23 00-0991	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	52.82	
01 22 23 00-0992	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	145.08	
01 22 23 00-0993	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	14.88	
01 22 23 00-0994	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	37.20	
01 22 23 00-0995	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	111.60	
01 22 23 00-0996	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	37.94	
01 22 23 00-0997	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	96.72	
01 22 23 00-0998	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	286.44	
01 22 23 00-0999		Hydraulic Submersible Pumps *(01 22 23 00-0900)*		
01 22 23 00-1000		Hydraulic Submersible Pumps *(01 22 23 00-0999)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1001	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.83	
01 22 23 00-1002	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	262.37	
01 22 23 00-1003	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	733.74	
01 22 23 00-1004	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.51	
01 22 23 00-1005	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	320.18	
01 22 23 00-1006	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	978.32	
01 22 23 00-1007		Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-0999)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1008	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	226.05	
01 22 23 00-1009	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	674.45	
01 22 23 00-1010	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,778.76	
01 22 23 00-1011		HDPE Pipe With Couplings *(01 22 23 00-0900)*		
		Note: Includes delivery, set-up, and removal.		
01 22 23 00-1012	DAY	4" x 20' HDPE Pipe With Couplings	6.25	
01 22 23 00-1013	WK	4" x 20' HDPE Pipe With Couplings	15.00	
01 22 23 00-1014	MON	4" x 20' HDPE Pipe With Couplings	46.25	
01 22 23 00-1015	DAY	6" x 20' HDPE Pipe With Couplings	10.00	
01 22 23 00-1016	WK	6" x 20' HDPE Pipe With Couplings	25.00	
01 22 23 00-1017	MON	6" x 20' HDPE Pipe With Couplings	76.25	
01 22 23 00-1018	DAY	8" x 20' HDPE Pipe With Couplings	16.25	
01 22 23 00-1019	WK	8" x 20' HDPE Pipe With Couplings	42.50	
01 22 23 00-1020	MON	8" x 20' HDPE Pipe With Couplings	126.25	
01 22 23 00-1021	DAY	10" x 20' HDPE Pipe With Couplings	20.00	
01 22 23 00-1022	WK	10" x 20' HDPE Pipe With Couplings	51.25	
01 22 23 00-1023	MON	10" x 20' HDPE Pipe With Couplings	156.25	
01 22 23 00-1024	DAY	12" x 10' HDPE Pipe With Couplings	15.00	
01 22 23 00-1025	WK	12" x 10' HDPE Pipe With Couplings	41.25	
01 22 23 00-1026	MON	12" x 10' HDPE Pipe With Couplings	125.00	
01 22 23 00-1027	DAY	4" Elbow For HDPE Pipe, Quick Connect	15.00	
01 22 23 00-1028	WK	4" Elbow For HDPE Pipe, Quick Connect	38.75	
01 22 23 00-1029	MON	4" Elbow For HDPE Pipe, Quick Connect	115.00	
01 22 23 00-1030	DAY	6" Elbow For HDPE Pipe, Quick Connect	17.50	
01 22 23 00-1031	WK	6" Elbow For HDPE Pipe, Quick Connect	45.00	
01 22 23 00-1032	MON	6" Elbow For HDPE Pipe, Quick Connect	137.50	
01 22 23 00-1033	DAY	8" Elbow For HDPE Pipe, Quick Connect	20.00	
01 22 23 00-1034	WK	8" Elbow For HDPE Pipe, Quick Connect	51.25	
01 22 23 00-1035	MON	8" Elbow For HDPE Pipe, Quick Connect	156.25	
01 22 23 00-1036	DAY	10" Elbow For HDPE Pipe, Quick Connect	25.00	
01 22 23 00-1037	WK	10" Elbow For HDPE Pipe, Quick Connect	63.75	
01 22 23 00-1038	MON	10" Elbow For HDPE Pipe, Quick Connect	193.75	
01 22 23 00-1039	DAY	12" Elbow For HDPE Pipe, Quick Connect	25.00	
01 22 23 00-1040	WK	12" Elbow For HDPE Pipe, Quick Connect	63.75	
01 22 23 00-1041	MON	12" Elbow For HDPE Pipe, Quick Connect	193.75	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1042	DAY	4" Tee For HDPE Pipe, Quick Connect	15.00	
01 22 23 00-1043	WK	4" Tee For HDPE Pipe, Quick Connect	38.75	
01 22 23 00-1044	MON	4" Tee For HDPE Pipe, Quick Connect	115.00	
01 22 23 00-1045	DAY	6" Tee For HDPE Pipe, Quick Connect	20.00	
01 22 23 00-1046	WK	6" Tee For HDPE Pipe, Quick Connect	51.25	
01 22 23 00-1047	MON	6" Tee For HDPE Pipe, Quick Connect	156.25	
01 22 23 00-1048	DAY	8" Tee For HDPE Pipe, Quick Connect	25.00	
01 22 23 00-1049	WK	8" Tee For HDPE Pipe, Quick Connect	63.75	
01 22 23 00-1050	MON	8" Tee For HDPE Pipe, Quick Connect	193.75	
01 22 23 00-1051	DAY	10" Tee For HDPE Pipe, Quick Connect	30.00	
01 22 23 00-1052	WK	10" Tee For HDPE Pipe, Quick Connect	76.25	
01 22 23 00-1053	MON	10" Tee For HDPE Pipe, Quick Connect	231.25	
01 22 23 00-1054	DAY	12" Tee For HDPE Pipe, Quick Connect	30.00	
01 22 23 00-1055	WK	12" Tee For HDPE Pipe, Quick Connect	76.25	
01 22 23 00-1056	MON	12" Tee For HDPE Pipe, Quick Connect	231.25	
01 22 23 00-1057	DAY	4" Cap For HDPE Pipe, Quick Connect	2.50	
01 22 23 00-1058	WK	4" Cap For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1059	MON	4" Cap For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1060	DAY	6" Cap For HDPE Pipe, Quick Connect	2.50	
01 22 23 00-1061	WK	6" Cap For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1062	MON	6" Cap For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1063	DAY	8" Cap For HDPE Pipe, Quick Connect	2.50	
01 22 23 00-1064	WK	8" Cap For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1065	MON	8" Cap For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1066	DAY	10" Cap For HDPE Pipe, Quick Connect	2.50	
01 22 23 00-1067	WK	10" Cap For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1068	MON	10" Cap For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1069	DAY	12" Cap For HDPE Pipe, Quick Connect	2.50	
01 22 23 00-1070	WK	12" Cap For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1071	MON	12" Cap For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1072	DAY	4" Wye For HDPE Pipe, Quick Connect	7.50	
01 22 23 00-1073	WK	4" Wye For HDPE Pipe, Quick Connect	18.75	
01 22 23 00-1074	MON	4" Wye For HDPE Pipe, Quick Connect	57.50	
01 22 23 00-1075	DAY	6" Wye For HDPE Pipe, Quick Connect	8.75	
01 22 23 00-1076	WK	6" Wye For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1077	MON	6" Wye For HDPE Pipe, Quick Connect	68.75	
01 22 23 00-1078	DAY	8" Wye For HDPE Pipe, Quick Connect	15.00	
01 22 23 00-1079	WK	8" Wye For HDPE Pipe, Quick Connect	38.75	
01 22 23 00-1080	MON	8" Wye For HDPE Pipe, Quick Connect	115.00	
01 22 23 00-1081	DAY	10" Wye For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1082	WK	10" Wye For HDPE Pipe, Quick Connect	57.50	
01 22 23 00-1083	MON	10" Wye For HDPE Pipe, Quick Connect	175.00	
01 22 23 00-1084	DAY	12" Wye For HDPE Pipe, Quick Connect	22.50	
01 22 23 00-1085	WK	12" Wye For HDPE Pipe, Quick Connect	57.50	
01 22 23 00-1086	MON	12" Wye For HDPE Pipe, Quick Connect	175.00	

01 22 23 00-1087 Temporary Building Services *(01 22 23)*

01 22 23 00-1088 Boilers *(01 22 23 00-1087)*

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

01 22 23 00-1089 Electric Boilers *(01 22 23 00-1088)*

01 22 23 00-1090	MO	40 MBH, 12 KW Electric Boiler Rental	1,649.89
01 22 23 00-1091	MO	60 MBH, 20 KW Electric Boiler Rental	1,799.91
01 22 23 00-1092	MO	95 MBH, 30 KW Electric Boiler Rental	1,874.91
01 22 23 00-1093	MO	135 MBH, 40 KW Electric Boiler Rental	2,099.86
01 22 23 00-1094	MO	165 MBH, 50 KW Electric Boiler Rental	2,924.81
01 22 23 00-1095	MO	215 MBH, 60 KW Electric Boiler Rental	3,374.79
01 22 23 00-1096	MO	365 MBH, 100 KW Electric Boiler Rental	4,424.76
01 22 23 00-1097	MO	510 MBH, 150 KW Electric Boiler Rental	5,399.71

01 22 23 00-1098 Oil/Gas Fired Boilers *(01 22 23 00-1088)*

01 22 23 00-1099	MO	Up To 100 HP Gas/Oil Dual Fuel Boiler Rental	10,331.50
		For >3 Months Rental, Deduct	*-1,549.73*
01 22 23 00-1100	MO	>100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental	13,430.95
		For >3 Months Rental, Deduct	*-2,014.64*
01 22 23 00-1101	MO	>250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental	21,696.15
		For >3 Months Rental, Deduct	*-3,254.42*
01 22 23 00-1102	MO	>500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental	29,961.35
		For >3 Months Rental, Deduct	*-4,494.20*

01 22 23 00-1103 Oil Fired Boilers *(01 22 23 00-1088)*

01 22 23 00-1104	MO	250 HP Oil Fired Boiler Rental	4,633.74
01 22 23 00-1105	MO	350 HP Oil Fired Boiler Rental	6,178.32
01 22 23 00-1106	MO	500 HP Oil Fired Boiler Rental	7,722.90
01 22 23 00-1107	MO	600 HP Oil Fired Boiler Rental	8,495.18

01 22 23 00-1108 Boilers Setup *(01 22 23 00-1088)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1109	EA	Setup Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	4,260.06	

01 22 23 00-1110 Chillers *(01 22 23 00-1087)*

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

01 22 23 00-1111 Air Cooled Chillers *(01 22 23 00-1110)*

01 22 23 00-1112	MO	25 Ton Air Cooled Chiller Rental	2,244.82	
		For >3 To 6 Month Rental, Deduct	*-336.72*	
		For >6 Month Rental, Deduct	*-561.21*	
01 22 23 00-1113	MO	40 Ton Air Cooled Chiller Rental	3,591.72	
		For >3 To 6 Month Rental, Deduct	*-538.76*	
		For >6 Month Rental, Deduct	*-897.93*	
01 22 23 00-1114	MO	60 Ton Air Cooled Chiller Rental	4,393.08	
		For >3 To 6 Month Rental, Deduct	*-658.96*	
		For >6 Month Rental, Deduct	*-1,098.27*	
01 22 23 00-1115	MO	80 Ton Air Cooled Chiller Rental	5,194.44	
		For >3 To 6 Month Rental, Deduct	*-779.17*	
		For >6 Month Rental, Deduct	*-1,298.61*	
01 22 23 00-1116	MO	100 Ton Air Cooled Chiller Rental	5,995.80	
		For >3 To 6 Month Rental, Deduct	*-899.37*	
		For >6 Month Rental, Deduct	*-1,498.95*	
01 22 23 00-1117	MO	125 Ton Air Cooled Chiller Rental	6,946.25	
		For >3 To 6 Month Rental, Deduct	*-1,041.94*	
		For >6 Month Rental, Deduct	*-1,736.56*	
01 22 23 00-1118	MO	155 Ton Air Cooled Chiller Rental	8,403.26	
		For >3 To 6 Month Rental, Deduct	*-1,260.49*	
		For >6 Month Rental, Deduct	*-2,100.82*	
01 22 23 00-1119	MO	170 Ton Air Cooled Chiller Rental	8,986.07	
		For >3 To 6 Month Rental, Deduct	*-1,347.91*	
		For >6 Month Rental, Deduct	*-2,246.52*	
01 22 23 00-1120	MO	200 Ton Air Cooled Chiller Rental	10,322.80	
		For >3 To 6 Month Rental, Deduct	*-1,548.42*	
		For >6 Month Rental, Deduct	*-2,580.70*	
01 22 23 00-1121	MO	250 Ton Air Cooled Chiller Rental	12,283.00	
		For >3 To 6 Month Rental, Deduct	*-1,842.45*	
		For >6 Month Rental, Deduct	*-3,070.75*	
01 22 23 00-1122	MO	300 Ton Air Cooled Chiller Rental Note: Includes trailer.	14,332.99	
		For >3 To 6 Month Rental, Deduct	*-2,149.95*	
		For >6 Month Rental, Deduct	*-3,583.25*	
01 22 23 00-1123	MO	400 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	18,907.35	
		For >3 To 6 Month Rental, Deduct	*-2,836.10*	
		For >6 Month Rental, Deduct	*-4,726.84*	
01 22 23 00-1124	MO	500 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	23,403.77	
		For >3 To 6 Month Rental, Deduct	*-3,510.57*	
		For >6 Month Rental, Deduct	*-5,850.94*	
01 22 23 00-1125	EA	Setup Air Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	2,961.26	

01 22 23 00-1126 Chiller Rental Accessories *(01 22 23 00-1110)*

01 22 23 00-1127	MO	4" x 25' Flexible Water Hose For Chiller Rental	40.00	
01 22 23 00-1128	MO	6" x 25' Flexible Water Hose For Chiller Rental	50.00	

01 22 23 00-1129 Cooling Tower *(01 22 23 00-1087)*

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

01 22 23 00-1130	MO	100 Ton Cooling Tower Rental	2,060.00	
		For >3 To 6 Months Rental, Deduct	*-309.00*	
		For >6 Months Rental, Deduct	*-515.00*	
01 22 23 00-1131	MO	200 Ton Cooling Tower Rental	3,750.00	
		For >3 To 6 Months Rental, Deduct	*-562.50*	
		For >6 Months Rental, Deduct	*-937.50*	
01 22 23 00-1132	MO	250 Ton Cooling Tower Rental	4,246.70	
		For >3 To 6 Months Rental, Deduct	*-637.01*	
		For >6 Months Rental, Deduct	*-1,061.68*	
01 22 23 00-1133	MO	300 Ton Cooling Tower Rental	4,800.00	
		For >3 To 6 Months Rental, Deduct	*-720.00*	
		For >6 Months Rental, Deduct	*-1,200.00*	
01 22 23 00-1134	MO	400 Ton Cooling Tower Rental	6,000.00	
		For >3 To 6 Months Rental, Deduct	*-900.00*	
		For >6 Months Rental, Deduct	*-1,500.00*	
01 22 23 00-1135	MO	500 Ton Cooling Tower Rental	7,015.03	
		For >3 To 6 Months Rental, Deduct	*-1,052.25*	
		For >6 Months Rental, Deduct	*-1,753.76*	
01 22 23 00-1136	MO	Setup Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	2,961.26	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1137		**Emergency Cooler/Freezer** *(01 22 23 00-1087)* Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.		
01 22 23 00-1138	DAY	8 x 6 x 7 Emergency Cooler Rental	93.68	
01 22 23 00-1139	WK	8 x 6 x 7 Emergency Cooler Rental	499.60	
01 22 23 00-1140	DAY	10 x 7 x 7 Emergency Cooler Rental	187.35	
01 22 23 00-1141	WK	10 x 7 x 7 Emergency Cooler Rental	749.40	
01 22 23 00-1142	MO	10 x 7 x 7 Emergency Cooler Rental	1,873.50	
01 22 23 00-1143	DAY	10 x 7 x 7 Emergency Freezer Rental	218.58	
01 22 23 00-1144	WK	10 x 7 x 7 Emergency Freezer Rental	874.30	
01 22 23 00-1145	MO	10 x 7 x 7 Emergency Freezer Rental	2,248.20	
01 22 23 00-1146	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	249.80	
01 22 23 00-1147	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	999.20	
01 22 23 00-1148	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,498.00	
01 22 23 00-1149		**Portable Spot Cooling Units** *(01 22 23 00-1087)* Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-1150	DAY	1 Ton Portable Spot Cooling Unit	176.12	
01 22 23 00-1151	WK	1 Ton Portable Spot Cooling Unit	387.48	
01 22 23 00-1152	MO	1 Ton Portable Spot Cooling Unit	774.95	
01 22 23 00-1153	DAY	2 Ton Portable Spot Cooling Unit	281.80	
01 22 23 00-1154	WK	2 Ton Portable Spot Cooling Unit	563.60	
01 22 23 00-1155	MO	2 Ton Portable Spot Cooling Unit	1,268.10	
01 22 23 00-1156	DAY	3 Ton Portable Spot Cooling Unit	422.70	
01 22 23 00-1157	WK	3 Ton Portable Spot Cooling Unit	845.40	
01 22 23 00-1158	MO	3 Ton Portable Spot Cooling Unit	1,690.80	
01 22 23 00-1159	DAY	5 Ton Portable Spot Cooling Unit	493.15	
01 22 23 00-1160	WK	5 Ton Portable Spot Cooling Unit	986.30	
01 22 23 00-1161	MO	5 Ton Portable Spot Cooling Unit	2,254.40	
01 22 23 00-1162	DAY	10 Ton Portable Spot Cooling Unit	1,056.75	
01 22 23 00-1163	WK	10 Ton Portable Spot Cooling Unit	1,690.80	
01 22 23 00-1164	MO	10 Ton Portable Spot Cooling Unit	3,381.60	
01 22 23 00-1165	DAY	20 Ton Portable Spot Cooling Unit	1,409.00	
01 22 23 00-1166	WK	20 Ton Portable Spot Cooling Unit	2,465.75	
01 22 23 00-1167	MO	20 Ton Portable Spot Cooling Unit	5,283.75	
01 22 23 00-1168	DAY	25 Ton Portable Spot Cooling Unit	1,127.20	
01 22 23 00-1169	WK	25 Ton Portable Spot Cooling Unit	2,395.30	
01 22 23 00-1170	MO	25 Ton Portable Spot Cooling Unit	5,636.00	
01 22 23 00-1171		**Fuel Oil Tank** *(01 22 23 00-1087)* Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0714 for reimbursable fuel fees.		
01 22 23 00-1172	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	578.54	
01 22 23 00-1173	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	899.96	
01 22 23 00-1174	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	2,249.89	
01 22 23 00-1175	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	3,749.81	
01 22 23 00-1176	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	4,949.75	
01 22 23 00-1177	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	8,842.42	
01 22 23 00-1178		**Truck And Trailer Equipment** *(01 22 23)*		
01 22 23 00-1179		**Trucks** *(01 22 23 00-1178)* Note: Includes full-time driver, delivery, and removal.		
01 22 23 00-1180		**Flat Bed Trucks** *(01 22 23 00-1179)* Note: Includes hydraulic tilt bed.		
01 22 23 00-1181	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	797.79	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1182	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,478.35	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1183	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,988.45	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1184	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	890.63	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1185	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,716.25	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1186	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,597.72	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1187	DAY	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	957.25	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1188	WK	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,970.87	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1189	MO	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,566.76	
		For Equipment Without Operator, Deduct	*-12,566.87*	
01 22 23 00-1190		**Light Off-Road Utility Passanger Vehicles** *(01 22 23 00-1179)* Note: Excludes operator		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1191	DAY	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	160.00	
01 22 23 00-1192	WK	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	370.00	
01 22 23 00-1193	MO	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	800.00	
01 22 23 00-1194	DAY	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	165.00	
01 22 23 00-1195	WK	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	385.00	
01 22 23 00-1196	MO	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	850.00	

01 22 23 00-1197 Light Duty Trucks *(01 22 23 00-1179)*

01 22 23 00-1198	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	801.55	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1199	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,632.29	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1200	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	14,068.67	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1201	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	842.51	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1202	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,755.17	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1203	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	14,341.73	
		For Equipment Without Operator, Deduct	*-12,566.84*	

01 22 23 00-1204 Rear Dump Trucks *(01 22 23 00-1179)*

01 22 23 00-1205	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	873.38	
		For Equipment Without Operator, Deduct	*-576.44*	
01 22 23 00-1206	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	3,666.53	
		For Equipment Without Operator, Deduct	*-2,882.22*	
01 22 23 00-1207	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	14,824.71	
		For Equipment Without Operator, Deduct	*-12,423.38*	
01 22 23 00-1208	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	978.48	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1209	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	4,004.83	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1210	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	15,390.99	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1211	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	1,034.96	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1212	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	4,125.86	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1213	MO	6 CY Rear Dump Truck With Full-Time Truck Driver	15,471.68	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1214	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver	1,704.69	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1215	WK	13 CY Rear Dump Truck With Full-Time Truck Driver	5,505.66	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1216	MO	13 CY Rear Dump Truck With Full-Time Truck Driver	19,344.80	
		For Equipment Without Operator, Deduct	*-12,566.84*	
01 22 23 00-1217	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	1,816.85	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1218	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	5,764.67	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1219	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	20,022.60	
		For Equipment Without Operator, Deduct	*-12,566.84*	

01 22 23 00-1220 Vacuum Trucks *(01 22 23 00-1179)*

01 22 23 00-1221	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,696.62	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1222	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,268.99	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1223	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	22,462.66	
		For Equipment Without Operator, Deduct	*-12,566.84*	

01 22 23 00-1224 Water Trucks *(01 22 23 00-1179)*

See CSI section 01 22 23 00-1240 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1225	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,068.42	
		For Equipment Without Operator, Deduct	*-583.10*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1226	WK	2,000 Gallon Water Truck With Full-Time Driver	4,193.53	
		For Equipment Without Operator, Deduct	*-2,915.51*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1227	MO	2,000 Gallon Water Truck With Full-Time Driver	15,586.64	
		For Equipment Without Operator, Deduct	*-12,566.84*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1228	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,305.70	
		For Equipment Without Operator, Deduct	*-583.10*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1229	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	4,905.34	
		For Equipment Without Operator, Deduct	*-2,915.51*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1230	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	17,420.09	
		For Equipment Without Operator, Deduct	*-12,566.84*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	

01 22 23 00-1231 Asphalt Distribution Trucks *(01 22 23 00-1179)*

01 22 23 00-1232	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,577.65	
		For Equipment Without Operator, Deduct	*-583.10*	
01 22 23 00-1233	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	5,886.39	
		For Equipment Without Operator, Deduct	*-2,915.51*	
01 22 23 00-1234	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	21,349.50	
		For Equipment Without Operator, Deduct	*-12,566.84*	

01 22 23 00-1235 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1179)*

01 22 23 00-1236	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion, Arrow Board With Full-Time Truck Driver	1,437.56	
		For Equipment Without Operator, Deduct	*-576.44*	
01 22 23 00-1237	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	4,607.18	
		For Equipment Without Operator, Deduct	*-2,882.22*	
01 22 23 00-1238	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	16,612.39	
		For Equipment Without Operator, Deduct	*-12,423.40*	

01 22 23 00-1239 Trailers *(01 22 23 00-1178)*

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

01 22 23 00-1240 Water Trailers With Pump *(01 22 23 00-1239)*

01 22 23 00-1241	DAY	500 To 600 Gallon Water Trailer With Pump	124.03
01 22 23 00-1242	WK	500 To 600 Gallon Water Trailer With Pump	318.16
01 22 23 00-1243	MO	500 To 600 Gallon Water Trailer With Pump	852.02

01 30 Administrative Requirements *(01)*

01 32 Construction Progress Documentation *(01 30)*

01 32 33 Photographic Documentation *(01 32)*

01 32 33 00-0001 Aerial Survey And Photography *(01 32 33)*

Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".

01 32 33 00-0002	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs	1,368.75	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
		For Color Prints Instead Of Black And White, Add	*410.63*	
01 32 33 00-0003	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,525.42	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
01 32 33 00-0004	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	1,030.69	

01 40 Quality Requirements *(01)*

01 45 Quality Control *(01 40)*

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

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

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

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

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	188.26
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	267.21
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	303.65
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	242.92
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	364.38
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	728.51
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	27.32
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	95.71
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	182.13
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	227.66
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	72.85
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	182.13
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	364.26

01 45 23 00-0016 Soil Borings Laboratory Tests *(01 45 23 00-0001)*

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	83.60

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test	26.68	
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	64.31	
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test	450.17	
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test	88.93	
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test	19.29	
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	11.99	
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test	154.74	
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	53.96	
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	10.67	
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test	533.60	
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	107.93	
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test	133.40	
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	311.04	
01 45 23 00-0031	EA	California Bearing Ratio, ASTM D1883	273.28	
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	80.04	
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test	67.72	
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	263.19	
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	40.91	
01 45 23 00-0036		**Aggregate Testing** *(01 45 23 00-0001)*		
01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	60.73	
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	109.31	
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	151.82	
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	118.38	
01 45 23 00-0041	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	96.46	
01 45 23 00-0042	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	86.51	
01 45 23 00-0043	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	128.62	
01 45 23 00-0044	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	121.46	
01 45 23 00-0045	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	121.46	
01 45 23 00-0046	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	91.10	
01 45 23 00-0047	EA	Fine Aggregate Durability Index, CA 229	97.17	
01 45 23 00-0048	EA	Sodium And Magnesium Soundness, ASTM C88	254.98	
01 45 23 00-0049	EA	Los Angeles Rattler, ASTM C-131, CA 211	194.34	
01 45 23 00-0050	EA	Los Angeles Rattler, ASTM C-535	194.34	
01 45 23 00-0051	EA	Unit Weight Of Aggregates, ASTM C29	54.66	
01 45 23 00-0052	EA	Organic Impurities In Sand, ASTM C40	54.64	
01 45 23 00-0053	EA	Crushed Particle, ASTM California Test Method	54.64	
01 45 23 00-0054	EA	Clay Lump And Friable Particles, ASTM C142	109.28	
01 45 23 00-0055		**Permeability Tests** *(01 45 23 00-0001)*		
01 45 23 00-0056		**In-Place Tests** *(01 45 23 00-0055)*		
01 45 23 00-0057	EA	Double Ring Infiltrometer Test, ASTM D3385	964.65	
01 45 23 00-0058	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	45.53	
01 45 23 00-0059		**Lab Tests** *(01 45 23 00-0055)*		
01 45 23 00-0060	EA	Falling Head Rigid Wall Consolidometer Technique CAE	450.17	
01 45 23 00-0061	EA	Falling Head Permeability Test EPA-9100	450.17	
01 45 23 00-0062	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	257.24	
01 45 23 00-0063		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0064		**Concrete Testing** *(01 45 23 00-0063)*		
01 45 23 00-0065	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	18.50	
01 45 23 00-0066	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	38.59	
01 45 23 00-0067	EA	Concrete Cores Compression Test, ASTM C-42	78.95	
01 45 23 00-0068	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	115.39	
01 45 23 00-0069	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	42.51	
01 45 23 00-0070	EA	Concrete Mix Design Review	230.77	
01 45 23 00-0071	EA	Trial Concrete Batch Prepared In Laboratory	546.57	
01 45 23 00-0072	EA	Concrete Shrinkage, ASTM C-157 Modified	425.11	
01 45 23 00-0073	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	65.59	
01 45 23 00-0074	EA	Concrete Slump Test, ASTM C143	30.36	
01 45 23 00-0075	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	30.36	
01 45 23 00-0076		**Cement Testing** *(01 45 23 00-0063)*		
01 45 23 00-0077	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	30.36	
01 45 23 00-0078	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	48.58	
01 45 23 00-0079		**Asphaltic Concrete Testing** *(01 45 23 00-0063)*		
01 45 23 00-0080	EA	Hveem Asphaltic Concrete Stability Test, CA 366	60.73	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0081	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	157.90	
01 45 23 00-0082	EA	Stability Tests, Premixed, ASTM D1559	60.73	
01 45 23 00-0083	EA	Stability Tests, Lab. Mixed, ASTM D1559	157.90	
01 45 23 00-0084	EA	Swell Test, CA 305	72.88	
		Note: Includes compaction.		
01 45 23 00-0085	EA	% Asphalt Extraction Test, ASTM D-2172 B	182.19	
01 45 23 00-0086	EA	Maximum Theoretical Unit Weight, ASTM C2041	115.76	
01 45 23 00-0087	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	24.29	
01 45 23 00-0088	EA	Asphalt Unit Weight On Core Test, CA 308C	24.29	
01 45 23 00-0089	HR	Nuclear Field Density Testing, 4 Hour Minimum	125.10	
01 45 23 00-0090	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	81.96	
01 45 23 00-0091	EA	Penetration, ASTM D5	87.73	
01 45 23 00-0092		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0093		Masonry Testing *(01 45 23 00-0092)*		
01 45 23 00-0094	EA	2" x 4" Cylinder Mortar Compression Test	40.08	
01 45 23 00-0095	EA	4" x 4" x 8" Grout Prisms Compression Test	40.08	
01 45 23 00-0096	EA	Masonry Cores Compression Test	78.95	
01 45 23 00-0097	EA	Composite Grouted Prism Compression Test	151.82	
01 45 23 00-0098		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0092)*		
01 45 23 00-0099	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	97.17	
01 45 23 00-0100	EA	Absorption Test, Moisture Content And Unit Weight	66.80	
01 45 23 00-0101	EA	Moisture Condition By Relative Humidity, ASTM C427, First Unit	254.98	
01 45 23 00-0102	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	127.49	
01 45 23 00-0103		Metals Testing *(01 45 23)*		
01 45 23 00-0104		Tank Line Tightness Testing *(01 45 23 00-0103)*		
01 45 23 00-0105	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	351.80	
01 45 23 00-0106	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	390.64	
01 45 23 00-0107	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	429.34	
01 45 23 00-0108		Other Testing *(01 45 23)*		
01 45 23 00-0109		Special Testing *(01 45 23 00-0108)*		
01 45 23 00-0110	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	94.15	
01 45 23 00-0111	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	564.88	
01 45 23 00-0112	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	28.40	
01 45 23 00-0113	EA	Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	117.73	
01 45 23 00-0114	EA	Testing For The Presence Of PCBs In Soil, Analysis Per Sample	117.73	
01 45 23 00-0115	EA	Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	117.73	
01 45 23 00-0116	EA	Testing For The Presence Of PCBs In Air, Analysis Per Sample	647.52	
01 45 23 00-0117		Nondestructive Field Testing Services *(01 45 23 00-0108)*		
01 45 23 00-0118		Infrared Thermography *(01 45 23 00-0117)*		
		Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0119		Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0118)*		
		Note: For on the roof surveys.		
01 45 23 00-0120	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	2,119.14	
01 45 23 00-0121	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.53	
		For CADD Drawings, Add	*0.71*	
01 45 23 00-0122	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.35	
		For CADD Drawings, Add	*0.47*	
01 45 23 00-0123	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.77	
		For CADD Drawings, Add	*0.35*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.44*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.44*	
01 45 23 00-0124	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.18	
		For CADD Drawings, Add	*0.24*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.30*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.30*	
01 45 23 00-0125		Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0118)*		
		Note: For finding moisture in walls and windows.		
01 45 23 00-0126	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	1,118.44	
01 45 23 00-0127	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.53	
		For Digital Or Analog Recording Of All Items, Add	*1.77*	
01 45 23 00-0128	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.35	
		For Digital Or Analog Recording Of All Items, Add	*1.18*	
01 45 23 00-0129	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	1.18	
		For Digital Or Analog Recording Of All Items, Add	*0.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0130		General Building Investigation Using Infrared Thermography *(01 45 23 00-0118)*		
		Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0131	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	2,295.74	
01 45 23 00-0132	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.53	
		For Digital Or Analog Recording Of All Items, Add	*1.77*	
01 45 23 00-0133	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	2.35	
		For Digital Or Analog Recording Of All Items, Add	*1.18*	
01 45 23 00-0134	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	1.18	
		For Digital Or Analog Recording Of All Items, Add	*0.59*	
01 45 23 00-0135		Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0118)*		
		Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0136	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	1,118.44	
01 45 23 00-0137	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	162.86	
		For Digital Or Analog Recording Of All Items, Add	*24.38*	
01 45 23 00-0138		Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0118)*		
		Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0139	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	1,118.44	
01 45 23 00-0140	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.53	
		For Digital Or Analog Recording Of All Items, Add	*0.53*	
01 45 23 00-0141	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.35	
		For Digital Or Analog Recording Of All Items, Add	*0.35*	
01 45 23 00-0142		Other Nondestructive Field Testing Services *(01 45 23 00-0117)*		
01 45 23 00-0143	HR	ASNT Certified Level I NDT Consultant	77.85	
01 45 23 00-0144	HR	ASNT Certified Level II NDT Consultant	86.83	
01 45 23 00-0145	HR	ASNT Certified Level III NDT Consultant	95.83	
01 45 23 00-0146	HR	Certified Industrial Radiography Radiation Safety Personnel	109.15	
01 45 23 00-0147		Testing Professional Services *(01 45 23 00-0108)*		
01 45 23 00-0148	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	112.96	
01 45 23 00-0149	HR	Laboratory Technician	109.31	
01 45 23 00-0150	HR	Portable Digital Reinforcement Scanner	157.90	
01 45 23 00-0151	HR	Subsurface Detection Radar System	267.21	
01 45 23 00-0152	HR	Pavement Rehabilitation Analysis Using Deflectors	303.65	
01 45 23 00-0153	HR	Associate Engineer	157.90	
01 45 23 00-0154	HR	Staff Engineer	145.75	
01 45 23 00-0155	HR	Project Manager	139.68	
01 45 23 00-0156	HR	Principal Engineer	212.56	
01 45 23 00-0157	HR	Consulting Engineer	170.04	

01 50 Temporary Facilities And Controls *(01)*

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

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001		Service Switch And/Or Building Feeder Switch *(01 51 13)*		
		Note: Includes all connections and removal after use.		
01 51 13 00-0002	EA	Temporary 100 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses	1,148.43	
01 51 13 00-0003	EA	Temporary 200 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses	1,783.43	
01 51 13 00-0004	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	3,265.30	
01 51 13 00-0005	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,350.65	
01 51 13 00-0006	EA	Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	7,330.19	
01 51 13 00-0007	EA	Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	11,798.68	
01 51 13 00-0008	EA	Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	16,416.19	
01 51 13 00-0009		120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*		
		Note: Includes removal after use.		
01 51 13 00-0010	EA	Temporary 100 Amp Panelboard Complete With GFCI Circuit Breakers	1,184.50	
01 51 13 00-0011	EA	Temporary 200 Amp Panelboard Complete With GFCI Circuit Breakers	1,660.59	
01 51 13 00-0012	EA	Temporary 400 Amp Panelboard Complete With GFCI Circuit Breakers	2,596.40	
01 51 13 00-0013	EA	Temporary 600 Amp Panelboard Complete With GFCI Circuit Breakers	3,701.25	
01 51 13 00-0014		Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards *(01 51 13)*		
		Note: Includes all connections, fittings, supports and removal after use.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 51 13 00-0015	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	6.49	
01 51 13 00-0016	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	7.11	

01 51 13 00-0017 Cord Grip Plug *(01 51 13)*

Note: Includes installation, a maximum of 50' of cord, connection to source and removal after use.

01 51 13 00-0018	EA	Temporary 2 Pole Cord Grip Plug With Installation	239.57	
01 51 13 00-0019	EA	Temporary 3 Pole Cord Grip Plug With Installation	356.05	
01 51 13 00-0020	EA	Temporary 4 Pole Cord Grip Plug With Installation	444.98	
01 51 13 00-0021	EA	Temporary 3 Pole (30 A) Cord Grip Plug With Installation	345.43	
01 51 13 00-0022	EA	Temporary 4 Pole (30 A) Cord Grip Plug With Installation	428.00	
01 51 13 00-0023	EA	Temporary 3 Pole (50 A) Cord Grip Plug With Installation	383.17	

01 51 26 Temporary Lighting *(01 51)*

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	289.04	
01 51 26 00-0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp	31.38	
01 51 26 00-0004	EA	Temporary 10 Light String With Cages	95.46	
01 51 26 00-0005	EA	Temporary GFI Device With Enclosure And Branch Wiring	318.07	
01 51 26 00-0006	EA	Temporary Trailer Socket With Branch Wiring	112.16	
01 51 26 00-0007	EA	Temporary High Bay Light	344.78	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

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

01 52 13 00-0001 Field Offices *(01 52 13)*

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Office, With Toilet	172.19	
		For Each Delivery And Removal, Round Trip, Add		*319.05*
		For Each Set-Up (Block And Level), Add		*82.73*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
		For Office Trailer Without Toilet, Deduct		*-34.44*
01 52 13 00-0003	MO	8' x 32' Office, With Toilet	195.15	
		For Each Delivery And Removal, Round Trip, Add		*319.05*
		For Each Set-Up (Block And Level), Add		*82.73*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
		For Office Trailer Without Toilet, Deduct		*-39.03*
01 52 13 00-0004	MO	10' x 36' Office, With Toilet	264.03	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
		For Office Trailer Without Toilet, Deduct		*-52.81*
01 52 13 00-0005	MO	10' x 40' Office, With Toilet	281.25	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
		For Office Trailer Without Toilet, Deduct		*-56.25*
01 52 13 00-0006	MO	10' x 44' Office, With Toilet	309.94	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
01 52 13 00-0007	MO	10' x 50' Office, With Toilet	327.17	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
01 52 13 00-0008	MO	12' x 44' Office, With Toilet	592.21	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
01 52 13 00-0009	MO	12' x 50' Office, With Toilet	384.56	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*
01 52 13 00-0010	MO	12' x 60' Office, With Toilet	419.00	
		For Each Delivery And Removal, Round Trip, Add		*528.95*
		For Each Set-Up (Block And Level), Add		*134.97*
		For Each Anchoring Into Dirt, Add		*134.99*
		For Each Anchoring Into Asphalt Or Concrete, Add		*202.49*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0011	MO	24' x 60' Office, With Toilet	918.35	
		For Each Delivery And Removal, Round Trip, Add	*1,007.52*	
		For Each Set-Up (Block And Level), Add	*217.70*	
		For Each Anchoring Into Dirt, Add	*134.99*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*202.49*	
01 52 13 00-0012	MO	24' x 72' Office, With Toilet	1,102.02	
		For Each Delivery And Removal, Round Trip, Add	*1,007.52*	
		For Each Set-Up (Block And Level), Add	*217.70*	
		For Each Anchoring Into Dirt, Add	*134.99*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*202.49*	
01 52 13 00-0013	MO	30' x 30' Office, With Toilet	523.75	
		For Each Delivery And Removal, Round Trip, Add	*1,007.52*	
		For Each Set-Up (Block And Level), Add	*217.70*	
		For Each Anchoring Into Dirt, Add	*134.99*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*202.49*	

01 52 13 00-0014 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0015	MO	Desk For Field Office Trailer	31.33
01 52 13 00-0016	MO	Rolling Desk Chair For Field Office Trailer	19.58
01 52 13 00-0017	MO	File Cabinet For Field Office Trailer	23.50
01 52 13 00-0018	MO	Table For Field Office Trailer	15.67
01 52 13 00-0019	MO	Folding Chair For Field Office Trailer	7.42
01 52 13 00-0020	EA	Phone Hook-Up For Field Office Trailer	86.17
01 52 13 00-0021	MO	Local Phone Service Per Phone Line For Field Office Trailer	54.83
01 52 13 00-0022	MO	Security System With Monitoring For Field Office Trailer	98.73
01 52 13 00-0023	LF	Perimeter Trailer Skirting For Field Office Trailer	28.30
01 52 13 00-0024	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	51.45
01 52 13 00-0025	MO	Steps For Field Office Trailer	25.00
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	39.17
01 52 13 00-0027	MO	Copier For Field Office Trailer	62.67

01 52 13 00-0028 Storage Containers *(01 52 13)*

01 52 13 00-0029	MO	8' x 8' x 10' Storage Container	96.25	
		For Delivery And Pick-up Of Container, Add	*87.57*	
		For >12 Months, Deduct	*-28.88*	
01 52 13 00-0030	MO	8' x 8' x 20' Storage Container	100.62	
		For Delivery And Pick-up Of Container, Add	*96.32*	
		For >12 Months, Deduct	*-30.19*	
01 52 13 00-0031	MO	8' x 8' x 40' Storage Container	119.00	
		For Delivery And Pick-up Of Container, Add	*194.00*	
		For >12 Months, Deduct	*-35.70*	

01 52 19 Sanitary Facilities *(01 52)*

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

Note: Includes delivery, set-up, servicing once per week and removal.

01 52 19 00-0002	WK	Portable Toilets, Chemical	51.66
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*
		For Delivery, Add	*35.00*
01 52 19 00-0003	MO	Portable Toilets, Chemical	154.98
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*
		For Delivery, Add	*35.00*
01 52 19 00-0004	WK	ADA Portable Toilets, Chemical	61.62
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*
		For Delivery, Add	*35.00*
01 52 19 00-0005	MO	ADA Portable Toilets, Chemical	180.82
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*
		For Delivery, Add	*35.00*
01 52 19 00-0006	WK	Two Station Portable Handwash	30.02
01 52 19 00-0007	MO	Two Station Portable Handwash	91.06
01 52 19 00-0008	MO	Portable Toilets, Multi Trailer, 16'	2,749.75
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)	
01 52 19 00-0009	WK	Service Trailer Restrooms, 3 Times Per Week	2,061.38

01 54 Construction Aids *(01 50)*

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

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height of 14'. See CSI section 04 05 26 00-0000 for masonry scaffolding.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0003		CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	30.57	
			For Up To 25, Add	*12.23*	
			For >25 To 50, Add	*7.64*	
			For >50 To 150, Add	*3.06*	
01 54 23 00-0004		CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	34.37	
			For Up To 25, Add	*13.75*	
			For >25 To 50, Add	*8.59*	
			For >50 To 150, Add	*3.44*	
01 54 23 00-0005		CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	45.85	
			For Up To 25, Add	*18.34*	
			For >25 To 50, Add	*11.46*	
			For >50 To 150, Add	*4.59*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007		CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	42.23
01 54 23 00-0008		CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.80
01 54 23 00-0009		CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	63.35
01 54 23 00-0010		CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	69.69
01 54 23 00-0011		CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	80.24
01 54 23 00-0012		CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	50.68

01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0020 for erection.

01 54 23 00-0014		CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	37.47
01 54 23 00-0015		CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	68.70
01 54 23 00-0016		LF	Aluminum Joists (LF / Month)	6.09
01 54 23 00-0017		LF	Aluminum Stringers (LF / Month)	8.73
01 54 23 00-0018		EA	Screw Jack With U-Plate For Stringers (EA / Month)	11.01
01 54 23 00-0019		CSF	Netting for Exterior Building Scaffolding, Installation, Rental and Removal	19.32
			For Each Additional Month Of Usage, Add	*19.32*

01 54 23 00-0020 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0021		CCF	Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	67.58
01 54 23 00-0022		CCF	>20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	84.47
01 54 23 00-0023		CCF	>40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	101.36
01 54 23 00-0024		CCF	>60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	109.80
01 54 23 00-0025		CCF	>80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	122.47

01 54 23 00-0026 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0027		DAY	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.65
01 54 23 00-0028		WK	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	42.66
01 54 23 00-0029		MO	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	170.62
01 54 23 00-0030		DAY	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.82
01 54 23 00-0031		WK	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	71.38
01 54 23 00-0032		MO	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	285.54
01 54 23 00-0033		EA	Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	84.86
01 54 23 00-0034		EA	Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	106.07

01 54 23 00-0035 Shoring Posts *(01 54 23)*

Note: Includes moving to perform task. No additional cost for relocating will be allowed.

01 54 23 00-0036		DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	4.40
01 54 23 00-0037		WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	13.20
01 54 23 00-0038		MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	22.00

01 54 23 00-0039 Temporary Lumber For Platforms, Scaffolding And Bracing *(01 54 23)*

01 54 23 00-0040		SF	5/16" CD Grade Plywood - Temporary Lumber	1.48	0.56
01 54 23 00-0041		SF	1/2" CD Grade Plywood - Temporary Lumber	1.79	0.56
01 54 23 00-0042		SF	5/8" CD Grade Plywood - Temporary Lumber	2.04	0.56
01 54 23 00-0043		SF	3/4" CD Grade Plywood - Temporary Lumber	2.32	0.56
01 54 23 00-0044		SF	1" CD Grade Plywood - Temporary Lumber	3.43	0.84
01 54 23 00-0045		LF	2" x 4" Temporary Lumber	1.03	1.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0046	LF	2" x 6" Temporary Lumber	1.53	1.17
01 54 23 00-0047	LF	2" x 8" Temporary Lumber	2.04	1.17
01 54 23 00-0048	LF	2" x 10" Temporary Lumber	2.56	1.17
01 54 23 00-0049	LF	2" x 12" Temporary Lumber	3.07	1.17
01 54 23 00-0050	LF	3" x 8" Temporary Lumber	3.07	1.17
01 54 23 00-0051	LF	3" x 10" Temporary Lumber	3.84	1.17
01 54 23 00-0052	LF	3" x 12" Temporary Lumber	4.60	1.17
01 54 23 00-0053	LF	4" x 4" Temporary Lumber	2.18	0.59
01 54 23 00-0054	LF	4" x 6" Temporary Lumber	3.10	0.73
01 54 23 00-0055	LF	6" x 6" Temporary Lumber	4.02	0.87
01 54 23 00-0056	LF	6" x 8" Temporary Lumber	5.21	1.09
01 54 23 00-0057	LF	12" x 12" Temporary Lumber	12.57	1.75

01 54 23 00-0058 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0059	EA	2' x 2' x 2' Temporary Precast Concrete Block	82.27	
01 54 23 00-0060	EA	2' x 2' x 4' Temporary Precast Concrete Block	102.83	
01 54 23 00-0061	EA	2' x 2' x 8' Temporary Precast Concrete Block	123.40	

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

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

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

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

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	1,647.05	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	1,729.40	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	1,811.76	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	1,894.11	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	1,976.46	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	2,058.82	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	2,141.17	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	474.94	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	593.68	
01 54 26 00-0011	MO	Temporary Roof Mounted Outrigger System	745.00	
01 54 26 00-0012	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	3,615.88	
01 54 26 00-0013	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	5,024.87	
01 54 26 00-0014	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	1,901.31	
01 54 26 00-0015	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	2,648.24	

01 54 29 Temporary Sidewalk Protection *(01 54)*

01 54 29 00-0001 Sidewalk Bridge *(01 54 29)*

01 54 29 00-0002 Installation of Sidewalk Bridge *(01 54 29 00-0001)*

01 54 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	71.80	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 54 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	3.45	

01 54 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 54 29 00-0001)*

01 54 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.00	
		For 3 Post System, Add	*1.20*	
01 54 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	9.01	
		For 3 Post System, Add	*1.35*	
01 54 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.01	
		For 3 Post System, Add	*1.50*	
01 54 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.01	
		For 3 Post System, Add	*1.50*	
01 54 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	11.00	
		For 3 Post System, Add	*1.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	13.02	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*1.95*	
01 54 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	12.02	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*1.80*	
01 54 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	14.02	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.10*	
01 54 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	15.00	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.25*	
01 54 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	1.50	

01 54 29 00-0016 Removal of Sidewalk Bridge *(01 54 29 00-0001)*

01 54 29 00-0017	LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	28.13	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 54 29 00-0018	LF	Removal of Netting for Sidewalk Bridge	1.72	

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

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.53	
		Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	4.24	
		Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

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

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	219.98	
01 55 23 00-0006	EA	Place And Remove Rumble Plate	74.53	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate	18.63	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	3,035.14	164.02
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	4,140.75	246.02
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,717.17	328.04
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	11,766.19	410.04
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	17,226.71	492.05

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	4.33
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	5.32

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	3.28
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	4.37
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	5.40

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	1.78	
		For Not Removed, Deduct	*-2.41*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	2.34	
		For Not Removed, Deduct	*-3.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	2.93	
		For Not Removed, Deduct	*-4.17*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.33	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.35	
01 55 26 00-0014		**Pedestrian Traffic Control** *(01 55 26)*		
01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.21	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	15.40	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.73	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.82	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	11.18	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	16.57	
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape)	14.20	
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape)	21.07	
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape)	27.87	
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape)	32.69	
01 55 26 00-0025		**Linear Delineation System, Temporary Or Permanent** *(01 55 26)*		
		Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026	LF	4" Linear Delineation System	6.60	
01 55 26 00-0027	LF	6" Linear Delineation System	8.80	
01 55 26 00-0028		**Traffic Protection** *(01 55 26)*		
01 55 26 00-0029		**Portable Traffic Control Device Usage** *(01 55 26 00-0028)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.		
01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.47	
01 55 26 00-0031	WK	28" Cone With Reflective Collar	1.42	
01 55 26 00-0032	MO	28" Cone With Reflective Collar	4.25	
01 55 26 00-0033	DAY	Vertical Panel	1.43	
01 55 26 00-0034	WK	Vertical Panel	4.28	
01 55 26 00-0035	MO	Vertical Panel	12.84	
01 55 26 00-0036	DAY	Channelizer Drum	1.55	
01 55 26 00-0037	WK	Channelizer Drum	4.65	
01 55 26 00-0038	MO	Channelizer Drum	13.94	
01 55 26 00-0039	DAY	Stackable Channelizer Panel	0.73	
01 55 26 00-0040	WK	Stackable Channelizer Panel	2.20	
01 55 26 00-0041	MO	Stackable Channelizer Panel	6.59	
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.01	
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	3.04	
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	9.13	
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.25	
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.74	
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	20.23	
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.56	
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	7.69	
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	23.06	
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.69	
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	14.06	
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	42.18	
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	2.57	
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	7.71	
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	23.13	
01 55 26 00-0057	DAY	Type A Or C Flasher	0.52	
01 55 26 00-0058	WK	Type A Or C Flasher	1.57	
01 55 26 00-0059	MO	Type A Or C Flasher	4.71	
01 55 26 00-0060	DAY	Type B Flasher (High Intensity)	2.84	
01 55 26 00-0061	WK	Type B Flasher (High Intensity)	8.52	
01 55 26 00-0062	MO	Type B Flasher (High Intensity)	25.57	
01 55 26 00-0063		**Traffic Barriers Usage** *(01 55 26 00-0028)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.		
01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	1.22	
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	3.67	
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	11.02	
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	3.62	
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	10.87	
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	32.60	
01 55 26 00-0070	DAY	Up To 12.5' Concrete Traffic Barrier	8.70	
01 55 26 00-0071	WK	Up To 12.5' Concrete Traffic Barrier	26.11	
01 55 26 00-0072	MO	Up To 12.5' Concrete Traffic Barrier	78.32	
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	17.40	
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	52.21	
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	156.64	
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	10.39	
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	31.18	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	93.53	
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	14.84	
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	44.51	
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	133.54	
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	5.81	
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	17.42	
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	52.27	

01 55 26 00-0085 Portable Signs And Message Displays Usage *(01 55 26 00-0028)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0086	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.56	
01 55 26 00-0087	WK	Mesh Or Vinyl Roll-up Sign With Stand	13.68	
01 55 26 00-0088	MO	Mesh Or Vinyl Roll-up Sign With Stand	41.04	
01 55 26 00-0089	DAY	Aluminum Sign And Post	2.48	
01 55 26 00-0090	WK	Aluminum Sign And Post	7.44	
01 55 26 00-0091	MO	Aluminum Sign And Post	22.33	
01 55 26 00-0092	DAY	Aluminum Sign And A Frame Stand	3.45	
01 55 26 00-0093	WK	Aluminum Sign And A Frame Stand	10.34	
01 55 26 00-0094	MO	Aluminum Sign And A Frame Stand	31.03	
01 55 26 00-0095	DAY	Trailer Mounted Flashing Arrow Board	56.00	
01 55 26 00-0096	WK	Trailer Mounted Flashing Arrow Board	168.00	
01 55 26 00-0097	MO	Trailer Mounted Flashing Arrow Board	503.99	
01 55 26 00-0098	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	299.99	
01 55 26 00-0099	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	899.97	
01 55 26 00-0100	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	2,699.90	
01 55 26 00-0101	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	776.44	
01 55 26 00-0102	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	2,329.32	
01 55 26 00-0103	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	6,987.96	

01 55 26 00-0104 Place And Remove Traffic Protection Using Truck *(01 55 26 00-0028)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0037 for delivery >15 miles.

01 55 26 00-0105	EA	Place And Remove Up To 250 Cones Using Truck	3.65	
01 55 26 00-0106	EA	Place And Remove >250 Cones Using Truck	2.92	
01 55 26 00-0107	EA	Place And Remove Up To 250 Panels/Channelizers Using Truck	4.88	
01 55 26 00-0108	EA	Place And Remove >250 Panels/Channelizers Using Truck	3.89	
01 55 26 00-0109	EA	Place And Remove Up To 250 Barricades Using Truck	7.30	
01 55 26 00-0110	EA	Place And Remove >250 Barricades Using Truck	5.85	
01 55 26 00-0111	EA	Place And Remove Curbs/Speed Bumps Using Truck	7.30	
01 55 26 00-0112	EA	Place And Remove Portable Sign And Stand Using Truck	4.38	
01 55 26 00-0113	EA	Place And Remove Aluminum Sign And Post Using Truck	18.27	
01 55 26 00-0114	EA	Place And Remove Trailer Mounted Boards And Signals Using Truck	54.81	
01 55 26 00-0115	EA	Place And Remove Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	74.53	
		For 1 Barrier, Add	*186.33*	
		For 2 Barriers, Add	*67.08*	
		For 3 Barriers, Add	*22.36*	
01 55 26 00-0116	EA	Place And Remove >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	111.80	
		For 1 Barrier, Add	*279.50*	
		For 2 Barriers, Add	*100.62*	
		For 3 Barriers, Add	*33.54*	
01 55 26 00-0117	EA	Place And Remove Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	38.93	
		For 1 Barrier, Add	*93.18*	
		For 2 Barriers, Add	*33.54*	
		For 3 Barriers, Add	*11.18*	
01 55 26 00-0118	EA	Place And Remove Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	55.89	
		For 1 Barrier, Add	*139.73*	
		For 2 Barriers, Add	*50.30*	
		For 3 Barriers, Add	*16.77*	

01 55 26 00-0119 Place And Remove Traffic Protection From Roadside (Daily) *(01 55 26 00-0028)*

01 55 26 00-0120	EA	Place And Remove Up To 250 Cones By Hand From Roadside	1.83	
01 55 26 00-0121	EA	Place And Remove >250 Cones By Hand From Roadside	1.46	
01 55 26 00-0122	EA	Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.44	
01 55 26 00-0123	EA	Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.94	
01 55 26 00-0124	EA	Place And Remove Up To 250 Barricades By Hand From Roadside	3.65	
01 55 26 00-0125	EA	Place And Remove >250 Barricades By Hand From Roadside	2.92	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0126	EA	Place And Remove Portable Sign And Stand From Roadside	2.17	
01 55 26 00-0127	EA	Place And Remove Trailer Mounted Boards And Signals From Roadside	27.41	
01 55 26 00-0128	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	37.27	
01 55 26 00-0129		Temporary Rumble Strips *(01 55 26)* Note: Includes removal after use.		
01 55 26 00-0130	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	7.81	
01 55 26 00-0131	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	5.72	

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

Note: Includes removal after use.

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

01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.28	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.36	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.48	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.47	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.32	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.40	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.52	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.49	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.60	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors	0.34	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls	0.42	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings	0.54	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding	0.51	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.33	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.41	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.53	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.50	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.37	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls	0.45	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings	0.57	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.54	
01 56 16 00-0023	SF	Burlap, Applied To Floors	0.56	
01 56 16 00-0024	EA	7' Zipper Door For Plastic Sheeting	17.65	
01 56 16 00-0025	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	6.03	
01 56 16 00-0026	EA	Up To 1 SF Individual Critical Barriers Note: For Outlets And Receptacles	9.37	
01 56 16 00-0027	EA	>1 To 4 SF Individual Critical Barriers Note: For diffusers, ceiling speakers, return grilles, etc.	14.18	
01 56 16 00-0028	EA	>4 To 8 SF Individual Critical Barriers Note: For diffusers, return grilles, access doors, light fixtures, etc.	19.03	
01 56 16 00-0029	EA	>8 To 32 SF Individual Critical Barriers Note: For doors, windows, etc.	29.44	
01 56 16 00-0030		Temporary Stud Wall *(01 56 16)*		
01 56 16 00-0031		Temporary Stud Wall With Drywall *(01 56 16 00-0030)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0032		Temporary Stud Wall With Drywall *(01 56 16 00-0031)*		
01 56 16 00-0033	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.01	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0034	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.01	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0035	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.08	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0036	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.90	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0037	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.90	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0038	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.05	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0039		Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0031)*		
01 56 16 00-0040	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.09	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0041	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.12	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0042	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.08	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0043	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.64	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0044	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.07	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0045	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.12	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0046	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.03	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0047	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.15	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	

01 56 16 00-0048 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0030)*

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

01 56 16 00-0049	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.02	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0050	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.06	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0051	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.19	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0052	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.26	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0053	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.91	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0054	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.00	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0055	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.26	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0056	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.40	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	

01 56 16 00-0057 Temporary Stud Wall With BC Plywood *(01 56 16 00-0030)*

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

01 56 16 00-0058	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.32	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0059	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.49	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0060	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.67	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0061	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	5.81	
		For Metal Studs 24" On Center, Add/Deduct	*0.27*	
01 56 16 00-0062	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.53	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0063	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.86	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0064	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.21	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	
01 56 16 00-0065	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.49	
		For Metal Studs 24" On Center, Add/Deduct	*0.34*	

01 56 16 00-0066 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0030)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0067	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.90	
01 56 16 00-0068	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.95	
01 56 16 00-0069	SF	6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.96	
01 56 16 00-0070	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.96	
01 56 16 00-0071	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	3.00	

01 56 16 00-0072 Temporary Doors *(01 56 16 00-0030)*

Note: For temporary stud walls. Includes removal after use.

01 56 16 00-0073	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	480.80	

01 56 16 00-0074 Temporary Floor Protection *(01 56 16)*

01 56 16 00-0075	SF	Masonite For Temporary Floor Protection	1.47	
01 56 16 00-0076	SF	1/2" Plywood For Temporary Floor Protection	1.57	
01 56 16 00-0077	SF	3/4" Plywood For Temporary Floor Protection	1.92	

01 56 16 00-0078 Sticky Mats *(01 56 16)*

01 56 16 00-0079	EA	18" x 36", 30 Layer Sticky Mat	21.54	
		For 60 Layers Instead Of 30, Add	*13.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0080	EA	18" x 46", 30 Layer Sticky Mat	24.56	
		For 60 Layers Instead Of 30, Add	*15.88*	
01 56 16 00-0081	EA	24" x 36", 30 Layer Sticky Mat	24.56	
		For 60 Layers Instead Of 30, Add	*15.88*	
01 56 16 00-0082	EA	25" x 45", 30 Layer Sticky Mat	32.12	
		For 60 Layers Instead Of 30, Add	*21.55*	
01 56 16 00-0083	EA	36" x 36", 30 Layer Sticky Mat	35.15	
		For 60 Layers Instead Of 30, Add	*23.82*	
01 56 16 00-0084	EA	36" x 46", 30 Layer Sticky Mat	38.17	
		For 60 Layers Instead Of 30, Add	*26.09*	
01 56 16 00-0085	EA	36" x 60", 30 Layer Sticky Mat	75.98	
		For 60 Layers Instead Of 30, Add	*54.44*	
01 56 16 00-0086	EA	36" x 72", 30 Layer Sticky Mat	90.50	

01 56 26 Temporary Fencing *(01 56)*

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

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

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

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

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

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	2.53	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.38*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	2.86	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.43*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	4.83	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	14.35	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.15*	
		For Shade Cloth, Add	*4.75*	

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

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	2.79	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.42*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	3.14	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.47*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	5.30	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.80*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	15.78	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.37*	
		For Shade Cloth, Add	*4.75*	

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

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.07	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.46*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	3.46	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	5.85	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.88*	
		For Shade Cloth, Add	*3.60*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	17.36	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.60*	
		For Shade Cloth, Add	*4.75*	

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

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	3.38	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.51*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	3.79	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	6.42	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.96*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	19.10	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.87*	
		For Shade Cloth, Add	*4.75*	

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

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

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

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

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	161.37	
		For Shade Cloth, Add	*12.05*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	251.03	
		For Shade Cloth, Add	*30.12*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	286.89	
		For Shade Cloth, Add	*36.15*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	322.74	
		For Shade Cloth, Add	*45.18*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	394.46	
		For Shade Cloth, Add	*60.25*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	430.34	
		For Shade Cloth, Add	*72.30*	

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

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	168.71	
		For Shade Cloth, Add	*19.20*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	262.43	
		For Shade Cloth, Add	*48.01*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	299.92	
		For Shade Cloth, Add	*57.61*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	337.43	
		For Shade Cloth, Add	*72.01*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	412.40	
		For Shade Cloth, Add	*96.02*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	449.89	
		For Shade Cloth, Add	*115.22*	

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

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	185.58	
		For Shade Cloth, Add	*27.11*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	288.68	
		For Shade Cloth, Add	*67.78*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	329.92	
		For Shade Cloth, Add	*81.33*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	371.16	
		For Shade Cloth, Add	*101.67*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	453.64	
		For Shade Cloth, Add	*135.55*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	494.88	
		For Shade Cloth, Add	*162.67*	

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

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	231.98	
		For Shade Cloth, Add	*35.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	360.85	
		For Shade Cloth, Add	*89.43*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	412.40	
		For Shade Cloth, Add	*107.31*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	463.95	
		For Shade Cloth, Add	*134.14*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	567.05	
		For Shade Cloth, Add	*178.86*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	618.60	
		For Shade Cloth, Add	*214.63*	

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

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

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	169.44	
		For Shade Cloth, Add	*12.05*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	263.58	
		For Shade Cloth, Add	*30.12*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	301.23	
		For Shade Cloth, Add	*36.15*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	338.88	
		For Shade Cloth, Add	*45.18*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	414.18	
		For Shade Cloth, Add	*60.25*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	451.86	
		For Shade Cloth, Add	*72.30*	

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

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	177.15	
		For Shade Cloth, Add	*19.20*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	275.55	
		For Shade Cloth, Add	*48.01*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	314.91	
		For Shade Cloth, Add	*57.61*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	354.30	
		For Shade Cloth, Add	*72.01*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	433.02	
		For Shade Cloth, Add	*96.02*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	472.38	
		For Shade Cloth, Add	*115.22*	

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

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	194.86	
		For Shade Cloth, Add	*27.11*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.11	
		For Shade Cloth, Add	*67.78*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	346.42	
		For Shade Cloth, Add	*81.33*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	389.72	
		For Shade Cloth, Add	*101.67*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	476.32	
		For Shade Cloth, Add	*135.55*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	519.63	
		For Shade Cloth, Add	*162.67*	

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

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	243.57	
		For Shade Cloth, Add	*35.77*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	378.89	
		For Shade Cloth, Add	*89.43*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	433.02	
		For Shade Cloth, Add	*107.31*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	487.15	
		For Shade Cloth, Add	*134.14*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	595.40	
		For Shade Cloth, Add	*178.86*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	649.53	
		For Shade Cloth, Add	*214.63*	

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

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

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	177.91	
		For Shade Cloth, Add	*12.05*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	276.76	
		For Shade Cloth, Add	*30.12*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	316.29	
		For Shade Cloth, Add	*36.15*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	355.83	
			For Shade Cloth, Add	*45.18*	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	434.89	
			For Shade Cloth, Add	*60.25*	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	474.45	
			For Shade Cloth, Add	*72.30*	

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

01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	186.01	
			For Shade Cloth, Add	*19.20*	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	289.33	
			For Shade Cloth, Add	*48.01*	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	330.66	
			For Shade Cloth, Add	*57.61*	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	372.01	
			For Shade Cloth, Add	*72.01*	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	454.67	
			For Shade Cloth, Add	*96.02*	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	496.00	
			For Shade Cloth, Add	*115.22*	

01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	204.60	
			For Shade Cloth, Add	*27.11*	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	318.27	
			For Shade Cloth, Add	*67.78*	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	363.74	
			For Shade Cloth, Add	*81.33*	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	409.20	
			For Shade Cloth, Add	*101.67*	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	500.14	
			For Shade Cloth, Add	*135.55*	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	545.61	
			For Shade Cloth, Add	*162.67*	

01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	255.75	
			For Shade Cloth, Add	*35.77*	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	397.84	
			For Shade Cloth, Add	*89.43*	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	454.67	
			For Shade Cloth, Add	*107.31*	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	511.51	
			For Shade Cloth, Add	*134.14*	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	625.17	
			For Shade Cloth, Add	*178.86*	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	682.01	
			For Shade Cloth, Add	*214.63*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	186.39	
			For Shade Cloth, Add	*12.05*	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	289.94	
			For Shade Cloth, Add	*30.12*	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	331.35	
			For Shade Cloth, Add	*36.15*	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	372.77	
			For Shade Cloth, Add	*45.18*	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	455.60	
			For Shade Cloth, Add	*60.25*	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	497.04	
			For Shade Cloth, Add	*72.30*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	194.86	
			For Shade Cloth, Add	*19.20*	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	303.11	
			For Shade Cloth, Add	*48.01*	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	346.41	
			For Shade Cloth, Add	*57.61*	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	389.73	
			For Shade Cloth, Add	*72.01*	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	476.32	
			For Shade Cloth, Add	*96.02*	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	519.62	
			For Shade Cloth, Add	*115.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	214.35	
		For Shade Cloth, Add	*27.11*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	333.43	
		For Shade Cloth, Add	*67.78*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	381.06	
		For Shade Cloth, Add	*81.33*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	428.69	
		For Shade Cloth, Add	*101.67*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	523.96	
		For Shade Cloth, Add	*135.55*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	571.59	
		For Shade Cloth, Add	*162.67*	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	267.93	
		For Shade Cloth, Add	*35.77*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	416.78	
		For Shade Cloth, Add	*89.43*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	476.32	
		For Shade Cloth, Add	*107.31*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	535.86	
		For Shade Cloth, Add	*134.14*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	654.94	
		For Shade Cloth, Add	*178.86*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	714.48	
		For Shade Cloth, Add	*214.63*	
01 56 26 00-0140		Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*		
		Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141		Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	3.03	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.30*	
		For >500, Deduct	*-0.45*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	3.40	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.51*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	5.48	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.82*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0145		Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*		
01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	3.29	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.49*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	3.68	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	5.95	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0149		Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	3.55	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.53*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.01	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Shade Cloth, Add	*2.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	6.50	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.98*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0153		Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*		
01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	3.88	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	4.33	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	7.06	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.06*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0157		Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*		
01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	5.26	
01 56 26 00-0159		Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)* Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160		Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*		
01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	2.78	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	4.16	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	6.02	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	7.40	
01 56 26 00-0165		Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*		
01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.68	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.81	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.91	
01 56 26 00-0169		Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*		
01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	88.26	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	101.84	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	125.61	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	135.79	
01 56 26 00-0174		Temporary Safety Fence *(01 56 26)* Note: Includes removal after use.		
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.46	
01 56 29		**Temporary Protective Walkways** ***(01 56)***		
01 56 29 00-0001		Temporary Walkways And Railings *(01 56 29)*		
01 56 29 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	4.99	
01 56 29 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	26.35	
01 56 29 00-0004	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	17.69	
01 56 29 00-0005		Safety Nets *(01 56 29)*		
01 56 29 00-0006	SF	Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.41	
01 56 33		**Temporary Security Barriers** ***(01 56)***		
01 56 33 00-0001		Board-up Opening With Plywood *(01 56 33)* Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPN	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	10.18	
01 56 33 00-0003	SF	Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	6.37	
01 56 33 00-0004	SF	Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	7.38	
01 56 33 00-0005		Street Barricade *(01 56 33)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 00-0006	LF	Temporary Street Barricade, Using 12" x 12" Beam Base With 2" x 4" Top Warning Rail And Sides	8.79	

01 56 33 00-0007 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0008	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	7.70	
01 56 33 00-0009	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	18.70	
01 56 33 00-0010	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	56.09	

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

01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*

Note: Includes digging holes and removal.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	136.48	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	158.82	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	171.95	

01 57 Temporary Controls *(01 50)*

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

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

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

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

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

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	67.24	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	66.11	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	82.04	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	80.90	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	97.98	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

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

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

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

Note: Excludes posts.

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

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

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	105.51	18.67
		For High-Intensity Grade, Add	*23.86*	
		For Diamond Grade, Add	*46.01*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	175.37	19.52
		For High-Intensity Grade, Add	*47.71*	
		For Diamond Grade, Add	*92.02*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	245.21	20.38
		For High-Intensity Grade, Add	*71.56*	
		For Diamond Grade, Add	*138.02*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	315.07	21.22
		For High-Intensity Grade, Add	*95.42*	
		For Diamond Grade, Add	*184.03*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	9.87	0.68
		For High-Intensity Grade, Add	*2.98*	
		For Diamond Grade, Add	*5.75*	

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

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

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	129.82	18.67
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	153.59	19.52
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	190.48	20.38
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	225.35	21.22
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	7.07	0.68

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	132.43	18.67
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	167.63	19.52
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	204.75	20.38
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	237.57	21.22
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	7.45	0.68
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)*		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	11.08	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	9.74	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	11.33	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	67.91	

01 60 Product Requirements *(01)*

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

01 66 19 Material Handling *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001		Material Handling Between Floors *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor	13.06	
		Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip	8.49	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0004		Moving Furniture *(01 66 19)*		
		Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.		
01 66 19 00-0005	SF	Removal, Transport, Return And Reinstallation Of Office Furniture	0.85	
		Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.		
01 66 19 00-0006		Material Handling For Distances Greater Than 125' *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials.		
01 66 19 00-0007	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	5.31	
01 66 19 00-0008		Transfer Demolition Debris Between Floors *(01 66 19)*		
		Note: Only for use with demolition tasks.		
01 66 19 00-0009	CY	Rubbish Handling Via Stairs, Per CY Of Material Per Floor	16.81	
		Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0010	CY	Rubbish Handling Via Elevator, Per CY Of Material	10.07	
		Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.		
01 66 19 00-0011		Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*		
01 66 19 00-0012	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	5.31	

01 70 Execution And Closeout Requirements *(01)*

01 71 Examination And Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*		
		Note: Excludes flagman for traffic control where necessary.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	241.85	
		Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.		
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	604.51	
		Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0004		**Crane Delivery, Pickup, Mobilization And Demobilization** *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	386.95	
		For >30 To 60 Miles Radius, Add	*96.74*	
		For >60 To 100 Miles Radius, Add	*154.78*	
01 71 13 00-0006	EA	20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	628.80	
		For >30 To 60 Miles Radius, Add	*157.20*	
		For >60 To 100 Miles Radius, Add	*251.52*	
01 71 13 00-0007	EA	40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	870.64	
		For >30 To 60 Miles Radius, Add	*217.66*	
		For >60 To 100 Miles Radius, Add	*348.26*	
01 71 13 00-0008	EA	70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,402.70	
		For >30 To 60 Miles Radius, Add	*350.68*	
		For >60 To 100 Miles Radius, Add	*561.08*	
01 71 13 00-0009	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	1,112.49	
		For >30 To 60 Miles Radius, Add	*278.12*	
		For >60 To 100 Miles Radius, Add	*445.00*	
01 71 13 00-0010	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	1,789.65	
		For >30 To 60 Miles Radius, Add	*447.41*	
		For >60 To 100 Miles Radius, Add	*715.86*	
01 71 13 00-0011	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	2,254.00	
		For >30 To 60 Miles Radius, Add	*563.50*	
		For >60 To 100 Miles Radius, Add	*901.60*	
01 71 13 00-0012	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	2,795.73	
		For >30 To 60 Miles Radius, Add	*698.93*	
		For >60 To 100 Miles Radius, Add	*1,118.29*	
01 71 13 00-0013	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	4,063.00	
		For >30 To 60 Miles Radius, Add	*1,015.75*	
		For >60 To 100 Miles Radius, Add	*1,625.20*	
01 71 13 00-0014	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	5,804.28	
		For >30 To 60 Miles Radius, Add	*1,451.07*	
		For >60 To 100 Miles Radius, Add	*2,321.71*	
01 71 13 00-0015	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	7,980.88	
		For >30 To 60 Miles Radius, Add	*1,995.22*	
		For >60 To 100 Miles Radius, Add	*3,192.35*	

01 71 23 Field Engineering *(01 71)*

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

01 71 23 16-0001		**Conventional Topographic Survey** *(01 71 23 16)* Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR	Survey Clear Area With Few To No Obstacles	868.95	
01 71 23 16-0003	ACR	Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,502.03	
01 71 23 16-0004	ACR	Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings)	3,586.92	
01 71 23 16-0005	ACR	Survey Developed Areas With Several Structures (25-65% Buildings)	5,442.05	
01 71 23 16-0006	ACR	Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	6,831.51	
01 71 23 16-0007		**Property Lines Survey** *(01 71 23 16)* Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.08	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	2.41	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	2.82	
01 71 23 16-0011		**Survey Monument** *(01 71 23 16)*		
01 71 23 16-0012	EA	3' Precast Survey Monument	132.86	
		For Owner Furnished Monument, Deduct	*-58.65*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	185.00	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	92.95	
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	58.65	
01 71 23 16-0016		**Facade Surveying** *(01 71 23 16)*		
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	5.71	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0018		Utility Survey *(01 71 23 16)* Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	4,724.01	

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

01 71 36 00-0001		Electromagnetic Survey *(01 71 36)* Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002		Electromagnetic Survey Minimum Set-Up Charge *(01 71 36 00-0001)*		
01 71 36 00-0003	EA	Electromagnetic Survey Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	746.69	
01 71 36 00-0004		Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*		
01 71 36 00-0005	EA	Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt	303.65	
01 71 36 00-0006	EA	Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	607.30	
01 71 36 00-0007	SF	Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.21	

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

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

01 74 13 00-0001		General *(01 74 13)*		
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	16.99	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	19.90	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance *(01 74 16)* Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	16.96	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	20.35	
01 74 16 00-0005		Runway Sweeping *(01 74 16 00-0001)*		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	25.44	

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

01 74 19 00-0001		Debris Chutes *(01 74 19)* Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		Steel Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	27.25	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	40.65	
01 74 19 00-0005		Plastic Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	10.77	
		For Steel Liner, Add	*2.04*	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	12.33	
		For Steel Liner, Add	*2.34*	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	13.89	
		For Steel Liner, Add	*2.64*	
01 74 19 00-0009		Wood Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	20.39	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	349.99	
		For Each Ton Over Indicated Amount, Add	*100.00*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	374.99	
		For Each Ton Over Indicated Amount, Add	*100.00*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	425.00	
		For Each Ton Over Indicated Amount, Add	*100.00*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	574.98	
		For Each Ton Over Indicated Amount, Add	*100.00*	
01 74 19 00-0016	EA	40 CY Dumpster (5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	648.97	
		For Each Ton Over Indicated Amount, Add	*100.00*	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	648.97	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	621.16	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	667.51	
01 74 19 00-0020		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	365.75	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	438.90	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	340.83	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	738.46	
01 74 19 00-0025		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0026		**Recycler Fees** *(01 74 19 00-0025)* Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0027	TRK	Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load)	230.87	
01 74 19 00-0028	TRK	Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar	238.21	
01 74 19 00-0029		**Landfill Dump Fees** *(01 74 19 00-0025)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0037 for hauling.		
01 74 19 00-0030	CY	Traditional Building Construction Materials Landfill Dump Fee	21.80	
01 74 19 00-0031	CY	Trees, Stumps And Brush, Landfill Dump Fee	26.24	
01 74 19 00-0032	CY	Rubbish Landfill Dump Fee	21.40	
01 74 19 00-0033	CY	Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	62.57	
01 74 19 00-0034	CY	Excavated Dirt Landfill Dump Fee	20.99	
01 74 19 00-0035	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	44.46	
01 74 19 00-0036	TON	Traditional Building Construction Materials, Landfill Dump Fee	95.00	
01 74 19 00-0037		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0038	CYM	Hauling On Paved Roads, First 15 Miles	0.73	
01 74 19 00-0039	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.48	
01 74 19 00-0040	CYM	Hauling On Unimproved Roads, First 15 Miles	1.12	
01 74 19 00-0041	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	0.87	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		**Glass** *(01 74 23)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23 00-0002	CSF	Clean Existing Glass Surfaces	22.42	

END OF SECTION 01

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

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

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

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

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

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

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

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	903.74

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

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	27.21

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

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	62.09
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	106.14

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

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	66.74
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	5.93

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

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	86.00
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	6.82

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

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

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

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	52.04
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	60.72
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	80.96

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

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	150.88
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	271.58

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

02 32 13 00-0023	EA	Shelby Tube Sampling	29.77
02 32 13 00-0024	EA	Penetration Test	24.25

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

02 32 13 00-0026	VLF	Boreholes	5.64

02 40 Demolition And Structure Moving *(02)*

02 41 Demolition *(02 40)*

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

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

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0001		**By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.43	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,500, Deduct	*-0.98*	
		For >2,500 To 5,000, Deduct	*-1.41*	
		For >5,000 To 10,000, Deduct	*-1.85*	
		For >10,000, Deduct	*-2.28*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	8.15	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,500, Deduct	*-1.47*	
		For >2,500 To 5,000, Deduct	*-2.12*	
		For >5,000 To 10,000, Deduct	*-2.77*	
		For >10,000, Deduct	*-3.42*	
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	10.86	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000 To 2,500, Deduct	*-1.95*	
		For >2,500 To 5,000, Deduct	*-2.82*	
		For >5,000 To 10,000, Deduct	*-3.69*	
		For >10,000, Deduct	*-4.56*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.56	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000 To 2,500, Deduct	*-1.72*	
		For >2,500 To 5,000, Deduct	*-2.49*	
		For >5,000 To 10,000, Deduct	*-3.25*	
		For >10,000, Deduct	*-4.02*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	13.48	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,500, Deduct	*-2.43*	
		For >2,500 To 5,000, Deduct	*-3.50*	
		For >5,000 To 10,000, Deduct	*-4.58*	
		For >10,000, Deduct	*-5.66*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	19.10	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,500, Deduct	*-3.44*	
		For >2,500 To 5,000, Deduct	*-4.97*	
		For >5,000 To 10,000, Deduct	*-6.49*	
		For >10,000, Deduct	*-8.02*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	26.98	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000 To 2,500, Deduct	*-4.86*	
		For >2,500 To 5,000, Deduct	*-7.01*	
		For >5,000 To 10,000, Deduct	*-9.17*	
		For >10,000, Deduct	*-11.33*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	35.28	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,500, Deduct	*-6.35*	
		For >2,500 To 5,000, Deduct	*-9.17*	
		For >5,000 To 10,000, Deduct	*-12.00*	
		For >10,000, Deduct	*-14.82*	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	45.85	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000 To 2,500, Deduct	*-8.25*	
		For >2,500 To 5,000, Deduct	*-11.92*	
		For >5,000 To 10,000, Deduct	*-15.59*	
		For >10,000, Deduct	*-19.26*	
02 41 13 13-0011		**By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.36	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.72	
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.29	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.70	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.16	
02 41 13 13-0017	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.85	
02 41 13 13-0018		**By Machine, Break-up And Remove Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving		10.66
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*3.20*	
		For Elevated Slab, Add	*5.33*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,500, Deduct	*-1.92*	
		For >2,500 To 5,000, Deduct	*-2.77*	
		For >5,000 To 10,000, Deduct	*-3.62*	
		For >10,000, Deduct	*-4.48*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving		14.55
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*4.37*	
		For Elevated Slab, Add	*7.28*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,500, Deduct	*-2.62*	
		For >2,500 To 5,000, Deduct	*-3.78*	
		For >5,000 To 10,000, Deduct	*-4.95*	
		For >10,000, Deduct	*-6.11*	
02 41 13 13-0021	SY	Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving		12.27
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*3.68*	
		For Elevated Slab, Add	*6.14*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,500, Deduct	*-2.21*	
		For >2,500 To 5,000, Deduct	*-3.19*	
		For >5,000 To 10,000, Deduct	*-4.17*	
		For >10,000, Deduct	*-5.15*	
02 41 13 13-0022	SY	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving		16.05
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*4.82*	
		For Elevated Slab, Add	*8.03*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000 To 2,500, Deduct	*-2.89*	
		For >2,500 To 5,000, Deduct	*-4.17*	
		For >5,000 To 10,000, Deduct	*-5.46*	
		For >10,000, Deduct	*-6.74*	
02 41 13 13-0023	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		16.28
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*4.88*	
		For Elevated Slab, Add	*8.14*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000 To 2,500, Deduct	*-2.93*	
		For >2,500 To 5,000, Deduct	*-4.23*	
		For >5,000 To 10,000, Deduct	*-5.54*	
		For >10,000, Deduct	*-6.84*	
02 41 13 13-0024	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		21.09
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*6.33*	
		For Elevated Slab, Add	*10.55*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000 To 2,500, Deduct	*-3.80*	
		For >2,500 To 5,000, Deduct	*-5.48*	
		For >5,000 To 10,000, Deduct	*-7.17*	
		For >10,000, Deduct	*-8.86*	
02 41 13 13-0025	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		34.96
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*10.49*	
		For Elevated Slab, Add	*17.48*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,500, Deduct	*-6.29*	
		For >2,500 To 5,000, Deduct	*-9.09*	
		For >5,000 To 10,000, Deduct	*-11.89*	
		For >10,000, Deduct	*-14.68*	
02 41 13 13-0026	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		17.65
		For Elevated Slab, Add	*8.83*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000 To 2,500, Deduct	*-3.18*	
		For >2,500 To 5,000, Deduct	*-4.59*	
		For >5,000 To 10,000, Deduct	*-6.00*	
		For >10,000, Deduct	*-7.41*	
02 41 13 13-0027	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		22.70
		For Elevated Slab, Add	*11.35*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000 To 2,500, Deduct	*-4.09*	
		For >2,500 To 5,000, Deduct	*-5.90*	
		For >5,000 To 10,000, Deduct	*-7.72*	
		For >10,000, Deduct	*-9.53*	
02 41 13 13-0028	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		40.58
		For Elevated Slab, Add	*20.29*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000 To 2,500, Deduct	*-7.30*	
		For >2,500 To 5,000, Deduct	*-10.55*	
		For >5,000 To 10,000, Deduct	*-13.80*	
		For >10,000, Deduct	*-17.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	52.96	
		For Elevated Slab, Add	*26.48*	
		For >500 To 1,000, Deduct	*-5.30*	
		For >1,000 To 2,500, Deduct	*-9.53*	
		For >2,500 To 5,000, Deduct	*-13.77*	
		For >5,000 To 10,000, Deduct	*-18.01*	
		For >10,000, Deduct	*-22.24*	
02 41 13 13-0030	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	69.24	
		For Elevated Slab, Add	*34.62*	
		For >500 To 1,000, Deduct	*-6.92*	
		For >1,000 To 2,500, Deduct	*-12.46*	
		For >2,500 To 5,000, Deduct	*-18.00*	
		For >5,000 To 10,000, Deduct	*-23.54*	
		For >10,000, Deduct	*-29.08*	
02 41 13 13-0031	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	84.03	
		For Elevated Slab, Add	*42.02*	
		For >500 To 1,000, Deduct	*-8.40*	
		For >1,000 To 2,500, Deduct	*-15.13*	
		For >2,500 To 5,000, Deduct	*-21.85*	
		For >5,000 To 10,000, Deduct	*-28.57*	
		For >10,000, Deduct	*-35.29*	

02 41 13 13-0032 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0033	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	3.04	
02 41 13 13-0034	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	4.00	
02 41 13 13-0035	SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving	5.19	
02 41 13 13-0036	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	3.80	
02 41 13 13-0037	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	5.24	
02 41 13 13-0038	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving	6.71	

02 41 13 13-0039 Grind Concrete *(02 41 13 13)*

02 41 13 13-0040	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.	181.45	
		For >1/2" To 1" Depth Of Grinding, Add	*27.22*	
		For >1" To 1-1/2" Depth Of Grinding, Add	*45.36*	
		For Up To 5, Add	*36.29*	
		For >5 To 10, Add	*18.15*	
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 250, Deduct	*-27.22*	
		For >250, Deduct	*-36.29*	
		For Sidewalks >5', Add	*18.15*	
		For Up To 12" Additional Feathering Per Side, Add	*18.15*	

02 41 16 Structure Demolition *(02 41)*

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

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	6.08	
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.19	
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	7.52	
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	6.68	

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

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

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		55.91
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.19*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.39*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.58*
		For Up To 500, Add		*16.77*
		For >500 To 1,000, Add		*11.18*
		For >1,000 To 2,000, Add		*5.59*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*18.45*
		For No Interior Partitions, Deduct		*-13.98*
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		34.57
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-2.59*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-5.19*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-7.78*
		For Up To 500, Add		*10.37*
		For >500 To 1,000, Add		*6.91*
		For >1,000 To 2,000, Add		*3.46*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*5.19*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*8.64*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*12.10*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*11.41*
		For No Interior Partitions, Deduct		*-8.64*

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

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		70.16
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.26*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.52*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.79*
		For Up To 500, Add		*21.05*
		For >500 To 1,000, Add		*14.03*
		For >1,000 To 2,000, Add		*7.02*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*23.15*
		For No Interior Partitions, Deduct		*-17.54*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		45.63
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.42*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.84*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-10.27*
		For Up To 500, Add		*13.69*
		For >500 To 1,000, Add		*9.13*
		For >1,000 To 2,000, Add		*4.56*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.84*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*11.41*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*15.97*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*15.06*
		For No Interior Partitions, Deduct		*-11.41*

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

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		49.30
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.70*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.40*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-11.09*
		For Up To 500, Add		*14.79*
		For >500 To 1,000, Add		*9.86*
		For >1,000 To 2,000, Add		*4.93*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*16.27*
		For No Interior Partitions, Deduct		*-12.33*
02 41 16 13-0015	CCF	By Machine, Masonry Construction Building Demolition		31.01
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-2.33*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-4.65*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-6.98*
		For Up To 500, Add		*9.30*
		For >500 To 1,000, Add		*6.20*
		For >1,000 To 2,000, Add		*3.10*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*4.65*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*7.75*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*10.85*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*10.23*
		For No Interior Partitions, Deduct		*-7.75*

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

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		42.85
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.21*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.43*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.64*
		For Up To 500, Add		*12.86*
		For >500 To 1,000, Add		*8.57*
		For >1,000 To 2,000, Add		*4.29*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.14*
		For No Interior Partitions, Deduct		*-10.71*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0018	CCF	By Machine, Wood Frame Construction Building Demolition		26.53
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-1.99*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-3.98*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-5.97*
		For Up To 500, Add		*7.96*
		For >500 To 1,000, Add		*5.31*
		For >1,000 To 2,000, Add		*2.65*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*3.98*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*8.75*
		For No Interior Partitions, Deduct		*-6.63*

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

Note: Per building volume.

02 41 16 13-0020	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	7.46
		For Up To 500, Add	*2.24*
		For >500 To 1,000, Add	*1.49*
		For >1,000 To 2,000, Add	*0.75*

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

Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.

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

02 41 16 13-0023	CF	Non Reinforced Concrete Foundation Demolition	11.48
02 41 16 13-0024	SF	4" Thick Non Reinforced Concrete Foundation Wall Demolition	4.92
02 41 16 13-0025	SF	6" Thick Non Reinforced Concrete Foundation Wall Demolition	6.56
02 41 16 13-0026	SF	8" Thick Non Reinforced Concrete Foundation Wall Demolition	8.20
02 41 16 13-0027	SF	10" Thick Non Reinforced Concrete Foundation Wall Demolition	9.84
02 41 16 13-0028	SF	12" Thick Non Reinforced Concrete Foundation Wall Demolition	11.48
02 41 16 13-0029	SF	16" Thick Non Reinforced Concrete Foundation Wall Demolition	13.13
02 41 16 13-0030	CF	Reinforced Concrete Foundation Demolition	13.78
02 41 16 13-0031	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	5.90
02 41 16 13-0032	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	7.88
02 41 16 13-0033	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	9.84
02 41 16 13-0034	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	11.65
02 41 16 13-0035	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	13.78
02 41 16 13-0036	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	15.74

02 41 16 13-0037 Concrete Block Foundation Wall Demolition *(02 41 16 13-0021)*

02 41 16 13-0038	SF	4" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.61
02 41 16 13-0039	SF	6" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.86
02 41 16 13-0040	SF	8" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.34
02 41 16 13-0041	SF	10" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.00
02 41 16 13-0042	SF	12" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.58
02 41 16 13-0043	SF	16" Thick Non Reinforced Concrete Block Foundation Wall Demolition	6.97
02 41 16 13-0044	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	4.33
02 41 16 13-0045	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	4.63
02 41 16 13-0046	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	5.22
02 41 16 13-0047	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	6.00
02 41 16 13-0048	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	6.70
02 41 16 13-0049	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	8.36

02 41 16 13-0050 Brick Foundation Wall Demolition *(02 41 16 13-0021)*

02 41 16 13-0051	SF	4" Thick Brick Foundation Wall Demolition	3.61
02 41 16 13-0052	SF	6" Thick Brick Foundation Wall Demolition	3.86
02 41 16 13-0053	SF	8" Thick Brick Foundation Wall Demolition	4.34
02 41 16 13-0054	SF	10" Thick Brick Foundation Wall Demolition	5.00
02 41 16 13-0055	SF	12" Thick Brick Foundation Wall Demolition	5.58
02 41 16 13-0056	SF	16" Thick Brick Foundation Wall Demolition	6.97

02 41 16 13-0057 Stone Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0058	CF	Stone Footing Or Foundation Wall Demolition	11.48

02 41 16 13-0059 Other Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0060	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.	11.95

02 41 19 Selective Demolition *(02 41)*

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

02 41 19 13-0001 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0002	LF	Saw Cut Bituminous Paving Up To 4" Depth	1.71	
		For Each Additional Pass (Depth To 3"), Add	*0.66*	
		For >250, Deduct	*-0.16*	
02 41 19 13-0003	LF	Saw Cut Brick Masonry Up To 4" Depth	6.51	
		For Each Additional Pass (Depth To 3"), Add	*2.58*	
		For >250, Deduct	*-0.64*	
02 41 19 13-0004	LF	Saw Cut Concrete Block Up To 4" Depth	5.88	
		For Each Additional Pass (Depth To 3"), Add	*2.33*	
		For >250, Deduct	*-0.58*	
02 41 19 13-0005	LF	Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth	1.98	
		For Each Additional Pass (Depth To 3"), Add	*0.76*	
		For >250, Deduct	*-0.19*	
02 41 19 13-0006	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.60	
		For Each Additional Pass (Depth To 3"), Add	*1.01*	
		For >250, Deduct	*-0.25*	
02 41 19 13-0007	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.31	
		For Each Additional Pass (Depth To 3"), Add	*1.69*	
		For >250, Deduct	*-0.42*	
02 41 19 13-0008	LF	Saw Cut Plain Concrete Walls Up To 4" Depth	8.33	
		For Each Additional Pass (Depth To 3"), Add	*3.30*	
		For >250, Deduct	*-0.82*	
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	11.18	
		For Each Additional Pass (Depth To 3"), Add	*4.44*	
		For >250, Deduct	*-1.11*	
02 41 19 13-0010	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	2.13	
		For Each Additional Pass (Depth To 3"), Add	*0.78*	
		For >250, Deduct	*-0.19*	
02 41 19 13-0011	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth	5.90	
		For Each Additional Pass (Depth To 3"), Add	*2.33*	
		For >250, Deduct	*-0.58*	
02 41 19 13-0012	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth	5.90	
		For Each Additional Pass (Depth To 3"), Add	*2.33*	
		For >250, Deduct	*-0.58*	
02 41 19 13-0013	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth	5.90	
		For Each Additional Pass (Depth To 3"), Add	*2.33*	
		For >250, Deduct	*-0.58*	
02 41 19 13-0014	LF	Saw Cut Terrazzo Stone Pavements Up To 4" Depth	5.90	
		For Each Additional Pass (Depth To 3"), Add	*2.33*	
		For >250, Deduct	*-0.58*	
02 41 19 13-0015	EA	Saw Cut Minimum Charge	752.28	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0016 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	2.31	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	4.63	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	6.94	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	9.23	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	11.55	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	13.86	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge	703.96	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0024 Drilling *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0025 Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	33.04	
		For Horizontal Cores, Add	*6.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.61*	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	36.53	
		For Horizontal Cores, Add	*7.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.00*	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	40.43	
		For Horizontal Cores, Add	*7.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.56*	
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	57.64	
		For Horizontal Cores, Add	*11.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.24*	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	77.24	
		For Horizontal Cores, Add	*14.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.79*	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	86.85	
		For Horizontal Cores, Add	*16.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.35*	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	138.18	
		For Horizontal Cores, Add	*26.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	173.27	
		For Horizontal Cores, Add	*33.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.71*	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	202.36	
		For Horizontal Cores, Add	*38.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.83*	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	231.60	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.93*	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	262.01	
		For Horizontal Cores, Add	*50.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.04*	

02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	47.36	
		For Horizontal Cores, Add	*9.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.01*	
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	52.35	
		For Horizontal Cores, Add	*10.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.00*	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	57.91	
		For Horizontal Cores, Add	*11.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.23*	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	69.91	
		For Horizontal Cores, Add	*13.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.68*	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	87.62	
		For Horizontal Cores, Add	*16.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.35*	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	116.45	
		For Horizontal Cores, Add	*22.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.47*	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	173.98	
		For Horizontal Cores, Add	*33.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.71*	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	204.29	
		For Horizontal Cores, Add	*38.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.83*	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	233.98	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.93*	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	264.27	
		For Horizontal Cores, Add	*50.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.04*	
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete	296.27	
		For Horizontal Cores, Add	*55.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.17*	

02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete	52.70	
		For Horizontal Cores, Add	*9.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.81*	
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	58.20	
		For Horizontal Cores, Add	*11.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.01*	
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete	64.32	
		For Horizontal Cores, Add	*12.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.46*	
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete	76.63	
		For Horizontal Cores, Add	*14.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.91*	
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete	100.22	
		For Horizontal Cores, Add	*18.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.80*	
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete	140.50	
		For Horizontal Cores, Add	*26.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.37*	
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete	231.98	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.93*	
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete	263.04	
		For Horizontal Cores, Add	*50.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.04*	
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete	293.44	
		For Horizontal Cores, Add	*55.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.17*	
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete	324.72	
		For Horizontal Cores, Add	*61.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.27*	
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete	358.30	
		For Horizontal Cores, Add	*66.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.41*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete	62.55	
		For Horizontal Cores, Add	*11.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.42*	
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	69.05	
		For Horizontal Cores, Add	*13.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.02*	
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete	76.27	
		For Horizontal Cores, Add	*14.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.90*	
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete	88.90	
		For Horizontal Cores, Add	*16.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.35*	
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete	101.70	
		For Horizontal Cores, Add	*18.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.80*	
02 41 19 13-0068	EA	Drill 6" Diameter Core In >8" To 10" Concrete	142.30	
		For Horizontal Cores, Add	*26.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.37*	
02 41 19 13-0069	EA	Drill 8" Diameter Core In >8" To 10" Concrete	234.43	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.93*	
02 41 19 13-0070	EA	Drill 10" Diameter Core In >8" To 10" Concrete	266.26	
		For Horizontal Cores, Add	*50.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.04*	
02 41 19 13-0071	EA	Drill 12" Diameter Core In >8" To 10" Concrete	297.25	
		For Horizontal Cores, Add	*55.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.15*	
02 41 19 13-0072	EA	Drill 14" Diameter Core In >8" To 10" Concrete	329.61	
		For Horizontal Cores, Add	*61.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.27*	
02 41 19 13-0073	EA	Drill 18" Diameter Core In >8" To 10" Concrete	364.67	
		For Horizontal Cores, Add	*66.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.38*	

02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0075	EA	Drill 1" Diameter Core In >10" To 12" Concrete	67.89	
		For Horizontal Cores, Add	*12.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.22*	
02 41 19 13-0076	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	74.89	
		For Horizontal Cores, Add	*14.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.02*	
02 41 19 13-0077	EA	Drill 2" Diameter Core In >10" To 12" Concrete	82.68	
		For Horizontal Cores, Add	*15.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.13*	
02 41 19 13-0078	EA	Drill 3" Diameter Core In >10" To 12" Concrete	90.06	
		For Horizontal Cores, Add	*16.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.35*	
02 41 19 13-0079	EA	Drill 4" Diameter Core In >10" To 12" Concrete	119.85	
		For Horizontal Cores, Add	*22.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.47*	
02 41 19 13-0080	EA	Drill 6" Diameter Core In >10" To 12" Concrete	155.22	
		For Horizontal Cores, Add	*28.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.82*	
02 41 19 13-0081	EA	Drill 8" Diameter Core In >10" To 12" Concrete	248.01	
		For Horizontal Cores, Add	*46.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.39*	
02 41 19 13-0082	EA	Drill 10" Diameter Core In >10" To 12" Concrete	269.48	
		For Horizontal Cores, Add	*50.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.04*	
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	312.31	
		For Horizontal Cores, Add	*57.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*115.63*	

02 41 19 13-0084 >12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	8.10	
		For Horizontal Cores, Add	*1.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.08*	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	8.96	
		For Horizontal Cores, Add	*1.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.42*	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	9.91	
		For Horizontal Cores, Add	*1.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.80*	
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	10.98	
		For Horizontal Cores, Add	*2.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.17*	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	14.61	
		For Horizontal Cores, Add	*2.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	18.96	
		For Horizontal Cores, Add	*3.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.23*	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	30.42	
		For Horizontal Cores, Add	*5.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.68*	
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	33.01	
		For Horizontal Cores, Add	*6.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.56*	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	38.10	
		For Horizontal Cores, Add	*7.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.46*	
02 41 19 13-0094		Brick/Concrete Block Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0095		Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*		
02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	26.74	
		For Horizontal Cores, Add	*5.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.09*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	29.53	
		For Horizontal Cores, Add	*5.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.20*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	32.65	
		For Horizontal Cores, Add	*6.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.45*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	46.53	
		For Horizontal Cores, Add	*8.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.79*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	62.35	
		For Horizontal Cores, Add	*11.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.84*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	70.18	
		For Horizontal Cores, Add	*13.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.68*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	111.50	
		For Horizontal Cores, Add	*21.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.70*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	139.92	
		For Horizontal Cores, Add	*26.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.37*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	163.45	
		For Horizontal Cores, Add	*31.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.26*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	187.14	
		For Horizontal Cores, Add	*35.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.15*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	212.00	
		For Horizontal Cores, Add	*40.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.04*	
02 41 19 13-0107		>4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*		
02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	38.35	
		For Horizontal Cores, Add	*7.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.40*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	42.36	
		For Horizontal Cores, Add	*8.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.01*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	46.80	
		For Horizontal Cores, Add	*8.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.78*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	56.56	
		For Horizontal Cores, Add	*10.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.34*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	70.95	
		For Horizontal Cores, Add	*13.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.68*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	94.22	
		For Horizontal Cores, Add	*17.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.58*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	140.63	
		For Horizontal Cores, Add	*26.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.37*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	165.38	
		For Horizontal Cores, Add	*31.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.26*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	189.52	
		For Horizontal Cores, Add	*35.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.15*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	214.26	
		For Horizontal Cores, Add	*40.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	240.68	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.94*	

02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	42.80	
		For Horizontal Cores, Add	*7.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.85*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	47.20	
		For Horizontal Cores, Add	*8.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.61*	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	52.08	
		For Horizontal Cores, Add	*9.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.56*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	62.17	
		For Horizontal Cores, Add	*11.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.12*	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	81.31	
		For Horizontal Cores, Add	*15.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.24*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	113.82	
		For Horizontal Cores, Add	*21.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.70*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	187.52	
		For Horizontal Cores, Add	*35.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.15*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	213.03	
		For Horizontal Cores, Add	*40.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.04*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	237.85	
		For Horizontal Cores, Add	*44.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.94*	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	263.59	
		For Horizontal Cores, Add	*48.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*97.82*	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	291.59	
		For Horizontal Cores, Add	*53.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.73*	

02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	50.83	
		For Horizontal Cores, Add	*9.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.73*	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	56.04	
		For Horizontal Cores, Add	*10.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.81*	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	61.82	
		For Horizontal Cores, Add	*11.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.12*	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	72.23	
		For Horizontal Cores, Add	*13.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.68*	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	82.79	
		For Horizontal Cores, Add	*15.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.24*	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	115.62	
		For Horizontal Cores, Add	*21.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.70*	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	189.97	
		For Horizontal Cores, Add	*35.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.15*	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	216.25	
		For Horizontal Cores, Add	*40.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.04*	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	241.67	
		For Horizontal Cores, Add	*44.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.92*	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	268.48	
		For Horizontal Cores, Add	*48.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*97.82*	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	297.97	
		For Horizontal Cores, Add	*53.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.70*	

02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	55.29	
		For Horizontal Cores, Add	*10.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.18*	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	60.88	
		For Horizontal Cores, Add	*11.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	67.11	
		For Horizontal Cores, Add	*12.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.90*	
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	73.39	
		For Horizontal Cores, Add	*13.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.68*	
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	97.62	
		For Horizontal Cores, Add	*17.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.58*	
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	126.31	
		For Horizontal Cores, Add	*23.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.25*	
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	201.32	
		For Horizontal Cores, Add	*37.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.71*	
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	219.47	
		For Horizontal Cores, Add	*40.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.04*	
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	254.50	
		For Horizontal Cores, Add	*46.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*92.51*	

02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	6.57	
		For Horizontal Cores, Add	*1.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.47*	
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	7.25	
		For Horizontal Cores, Add	*1.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.74*	
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	8.02	
		For Horizontal Cores, Add	*1.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.05*	
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	8.89	
		For Horizontal Cores, Add	*1.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.33*	
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	11.83	
		For Horizontal Cores, Add	*2.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.44*	
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	15.35	
		For Horizontal Cores, Add	*2.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.78*	
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	24.58	
		For Horizontal Cores, Add	*4.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.35*	
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	26.73	
		For Horizontal Cores, Add	*5.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.05*	
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	30.87	
		For Horizontal Cores, Add	*5.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.57*	

02 41 19 13-0163 Asphalt Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	15.51
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	19.42
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	24.27
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	30.14
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	37.94
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	47.68
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	59.49
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	73.98
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	92.39

02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	19.38
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	25.19
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	30.99
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	38.80
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	48.54
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	61.16
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	75.89
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	95.18
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	118.41

02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	25.22
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	32.04
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	39.78

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	49.56	
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	62.27	
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	77.85	
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	97.52	
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	121.69	
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	151.73	
02 41 19 13-0194		>4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0163)*		
02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	33.08	
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	40.94	
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	50.64	
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	64.40	
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	80.14	
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	99.69	
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	125.39	
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	156.38	
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	195.30	
02 41 19 13-0204		Manhole Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole	169.63	
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole	193.82	
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole	225.87	
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole	338.36	
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole	226.76	
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole	242.23	
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole	267.37	
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole	287.08	
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole	340.09	
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole	485.37	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole	22.31	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole	25.76	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole	27.94	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole	30.49	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole	33.54	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole	37.28	
02 41 19 13-0221		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.76	
02 41 19 13-0223	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.85	
02 41 19 13-0224	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	1.98	
02 41 19 13-0225	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.11	
02 41 19 13-0226	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.31	
02 41 19 13-0227	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.52	
02 41 19 13-0228	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	2.64	
02 41 19 13-0229	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.92	
02 41 19 13-0230	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.29	
02 41 19 13-0231		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0232	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.47	
02 41 19 13-0233	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.54	
02 41 19 13-0234	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.66	
02 41 19 13-0235	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.76	
02 41 19 13-0236	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.93	
02 41 19 13-0237	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.10	
02 41 19 13-0238	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.21	
02 41 19 13-0239	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.43	
02 41 19 13-0240	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.90	
02 41 19 13-0241		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0242	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.73	
02 41 19 13-0243	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.77	
02 41 19 13-0244	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.83	
02 41 19 13-0245	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.88	
02 41 19 13-0246	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.96	
02 41 19 13-0247	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.04	
02 41 19 13-0248	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.09	
02 41 19 13-0249	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.21	
02 41 19 13-0250	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.39	
02 41 19 13-0251		Limestone Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0252		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0251)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0253	EA	Drill 1" Diameter Core In 10" To 14" Limestone	49.57	
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	59.69	
02 41 19 13-0255	EA	Drill 2" Diameter Core In 10" To 14" Limestone	65.05	
02 41 19 13-0256	EA	Drill 3" Diameter Core In 10" To 14" Limestone	75.78	
02 41 19 13-0257	EA	Drill 4" Diameter Core In 10" To 14" Limestone	86.62	
02 41 19 13-0258	EA	Drill 6" Diameter Core In 10" To 14" Limestone	121.27	
02 41 19 13-0259	EA	Drill 8" Diameter Core In 10" To 14" Limestone	199.98	
02 41 19 13-0260		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0251)*		
02 41 19 13-0261	EA	Drill 1" Diameter Core In 15" To 18" Limestone	54.74	
02 41 19 13-0262	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	64.99	
02 41 19 13-0263	EA	Drill 2" Diameter Core In 15" To 18" Limestone	70.48	
02 41 19 13-0264	EA	Drill 3" Diameter Core In 15" To 18" Limestone	76.70	
02 41 19 13-0265	EA	Drill 4" Diameter Core In 15" To 18" Limestone	102.08	
02 41 19 13-0266	EA	Drill 6" Diameter Core In 15" To 18" Limestone	132.21	
02 41 19 13-0267	EA	Drill 8" Diameter Core In 15" To 18" Limestone	211.51	
02 41 19 13-0268		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0251)*		
02 41 19 13-0269	EA	Drill 1" Diameter Core In 19" To 24" Limestone	59.86	
02 41 19 13-0270	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	70.22	
02 41 19 13-0271	EA	Drill 2" Diameter Core In 19" To 24" Limestone	75.82	
02 41 19 13-0272	EA	Drill 3" Diameter Core In 19" To 24" Limestone	87.00	
02 41 19 13-0273	EA	Drill 4" Diameter Core In 19" To 24" Limestone	122.16	
02 41 19 13-0274	EA	Drill 6" Diameter Core In 19" To 24" Limestone	152.54	
02 41 19 13-0275	EA	Drill 8" Diameter Core In 19" To 24" Limestone	227.67	
02 41 19 13-0276		Minimum Charge For Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0277	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	609.33	
02 41 19 13-0278		Cutouts *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0279		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0278)*		
02 41 19 13-0280	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	38.50	
02 41 19 13-0281	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	40.82	
02 41 19 13-0282	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	43.16	
02 41 19 13-0283	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.50	
02 41 19 13-0284	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.66	
02 41 19 13-0285		Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0278)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0286	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	46.92	
02 41 19 13-0287	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	49.76	
02 41 19 13-0288	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	52.61	
02 41 19 13-0289	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.45	
02 41 19 13-0290	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.87	
02 41 19 13-0291		Reinforced Concrete Wall Cutouts *(02 41 19 13-0278)*		
02 41 19 13-0292	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	48.12	
02 41 19 13-0293	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	51.04	
02 41 19 13-0294	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	53.95	
02 41 19 13-0295	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	56.87	
02 41 19 13-0296	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	58.33	
02 41 19 13-0297		Brick Wall Cutouts *(02 41 19 13-0278)* Note: Excludes toothing.		
02 41 19 13-0298	SF	4" Thick Brick Wall Cutouts, <24 SF	14.58	
02 41 19 13-0299	SF	6" Thick Brick Wall Cutouts, <24 SF	24.06	
02 41 19 13-0300	SF	8" Thick Brick Wall Cutouts, <24 SF	33.50	
02 41 19 13-0301	SF	10" Thick Brick Wall Cutouts, <24 SF	40.82	
02 41 19 13-0302	SF	12" Thick Brick Wall Cutouts, <24 SF	48.85	
02 41 19 13-0303	SF	16" Thick Brick Wall Cutouts, <24 SF	57.60	
02 41 19 13-0304		Concrete Block Wall Cutouts *(02 41 19 13-0278)* Note: Excludes toothing.		
02 41 19 13-0305	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	24.12	
02 41 19 13-0306	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	25.54	
02 41 19 13-0307	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	26.97	
02 41 19 13-0308	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	28.44	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0309	SF	12" Thick Concrete Block Wall Cutouts, <24 SF		29.16
02 41 19 13-0310	SF	16" Thick Concrete Block Wall Cutouts, <24 SF		30.62
02 41 19 13-0311		**Limestone Cutouts** *(02 41 19 13-0278)*		
02 41 19 13-0312	SF	2" Thick Limestone Cutouts, <24 SF		40.82
02 41 19 13-0313	SF	4" Thick Limestone Cutouts, <24 SF		49.58
02 41 19 13-0314	SF	6" Thick Limestone Cutouts, <24 SF		52.49
02 41 19 13-0315	SF	8" Thick Limestone Cutouts, <24 SF		55.41
02 41 19 13-0316	SF	10" Thick Limestone Cutouts, <24 SF		58.33
02 41 19 13-0317	SF	12" Thick Limestone Cutouts, <24 SF		61.25
02 41 19 13-0318		**Toothing Masonry Cutouts** *(02 41 19 13-0278)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0319	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts		14.58
02 41 19 13-0320	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts		19.69
02 41 19 13-0321	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts		8.75
02 41 19 13-0322	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts		11.67
02 41 19 13-0323		**Minimum Charge For Cutouts** *(02 41 19 13-0278)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0324	EA	Cutouts Minimum Charge		291.63
02 41 19 13-0325		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0326		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0325)*		
02 41 19 13-0327	VLF	8" x 8" Masonry Column Removal		11.38
02 41 19 13-0328	VLF	10" x 10" Masonry Column Removal		17.78
02 41 19 13-0329	VLF	12" x 12" Masonry Column Removal		22.77
02 41 19 13-0330	VLF	14" x 14" Masonry Column Removal		28.50
02 41 19 13-0331	VLF	16" x 16" Masonry Column Removal		35.01
02 41 19 13-0332	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		19.66
02 41 19 13-0333		**Masonry Chimney Removal** *(02 41 19 13-0325)*		
02 41 19 13-0334	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		23.07
02 41 19 13-0335	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		17.32
02 41 19 13-0336	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		13.25
02 41 19 13-0337	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		9.18
02 41 19 13-0338		**Remove And Reset Precast, Stone Or Masonry Coping** *(02 41 19 13-0325)* Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0339	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		16.63
02 41 19 13-0340	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		24.55
02 41 19 13-0341	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		46.31
02 41 19 13-0342		**Facade Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0343	SF	Stone Or Brick Veneer Facade Removal		4.33
		For Cleaning and Storage For Reuse, Add		*3.25*
02 41 19 13-0344		**Exterior Masonry Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0345	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall		3.81
02 41 19 13-0346	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall		4.30
02 41 19 13-0347	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall		5.20
02 41 19 13-0348	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall		5.68
02 41 19 13-0349	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall		6.23
02 41 19 13-0350	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall		7.80
02 41 19 13-0351	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		4.50
02 41 19 13-0352	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		5.16
02 41 19 13-0353	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		6.23
02 41 19 13-0354	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		6.82
02 41 19 13-0355	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		7.48
02 41 19 13-0356	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		9.36
02 41 19 13-0357	SF	Demolish 4" Thick Brick Exterior Wall		3.81
		For Cleaning and Storage For Reuse, Add		*2.86*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0358	SF	Demolish 6" Thick Brick Exterior Wall		4.30
		For Cleaning and Storage For Reuse, Add	*3.23*	
02 41 19 13-0359	SF	Demolish 8" Thick Brick Exterior Wall		5.20
		For Cleaning and Storage For Reuse, Add	*3.90*	
02 41 19 13-0360	SF	Demolish 10" Thick Brick Exterior Wall		5.68
		For Cleaning and Storage For Reuse, Add	*4.26*	
02 41 19 13-0361	SF	Demolish 12" Thick Brick Exterior Wall		6.23
		For Cleaning and Storage For Reuse, Add	*4.67*	
02 41 19 13-0362	SF	Demolish 16" Thick Brick Exterior Wall		7.80
		For Cleaning and Storage For Reuse, Add	*5.85*	
02 41 19 13-0363	CF	Exterior Brick, Concrete Block Or Composite Removal		11.08
		For Cleaning and Storage For Reuse, Add	*8.31*	

02 41 19 13-0364 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0365	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	5.10
02 41 19 13-0366	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	9.27
02 41 19 13-0367	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	11.65
02 41 19 13-0368	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	13.73
02 41 19 13-0369	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	16.24

02 41 19 13-0370 Roofing Removal *(02 41 19 13)*

02 41 19 13-0371 Clay Tile Roof Remove And Salvage For Re-use *(02 41 19 13-0370)*

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

02 41 19 13-0372	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	226.12

02 41 19 13-0373 Elevated Concrete Removal *(02 41 19 13)*

02 41 19 13-0374	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	9.77

02 41 19 16 Selective Interior Demolition *(02 41 19)*

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 19 16-0001 Floor Removal *(02 41 19 16)*

02 41 19 16-0002 Remove And Salvage For Re-Use *(02 41 19 16-0001)*

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

02 41 19 16-0003	SF	Removal Of Brick Flooring And Salvage	2.06
02 41 19 16-0004	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.06
02 41 19 16-0005	SF	Removal Of Terrazzo Flooring And Salvage	2.85
02 41 19 16-0006	SF	Removal Of Wood Strip Flooring And Salvage	1.67
02 41 19 16-0007	SF	Removal Of Wood Parquet Flooring And Salvage	0.88
02 41 19 16-0008	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.63

02 41 19 16-0009 Scarify Concrete *(02 41 19 16-0001)*

Note: Up to 1/4" removal per pass.

02 41 19 16-0010	SF	Scarify Concrete Floor	0.24
02 41 19 16-0011	SF	Scarify Concrete Tread And Riser	2.03
02 41 19 16-0012	SF	Scarify Concrete Wall	1.84

02 41 19 16-0013 Fireproofing Removal *(02 41 19 16)*

02 41 19 16-0014	SF	Removal Of Fireproofing From Concrete Or Steel	0.97

02 41 19 16-0015 Demolish Ceiling *(02 41 19 16)*

02 41 19 16-0016	SF	Demolish Drywall Ceiling	0.74
02 41 19 16-0017	SF	Demolish Furred Plastered Ceiling	1.74
02 41 19 16-0018	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.33

02 41 19 16-0019 Demolish Concrete Stair *(02 41 19 16)*

02 41 19 16-0020	CF	Demolish Interior Reinforced Concrete Stairs	6.23
02 41 19 16-0021	CF	Demolish Exterior Reinforced Concrete Stairs	5.33

02 41 19 16-0022 Demolish Interior Partition/Wall *(02 41 19 16)*

Note: Price includes knock down, loading, clean-up.

02 41 19 16-0023 Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0022)*

Note: Includes saw cutting, knock down, loading and clean-up.

02 41 19 16-0024 Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0023)*

02 41 19 16-0025	SF	Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.04
02 41 19 16-0026	SF	Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.32
02 41 19 16-0027	SF	Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.86
02 41 19 16-0028	SF	Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.24
02 41 19 16-0029	SF	Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.80

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0030	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	4.85	
02 41 19 16-0031	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.18	
02 41 19 16-0032	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	5.83	
02 41 19 16-0033	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.49	
02 41 19 16-0034	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.36	
02 41 19 16-0035		Demolish Brick Interior Partition/Walls *(02 41 19 16-0023)*		
02 41 19 16-0036	SF	Demolish 4" Thick Brick Interior Partition/Wall	4.04	
02 41 19 16-0037	SF	Demolish 8" Thick Brick Interior Partition/Wall	4.86	
02 41 19 16-0038	SF	Demolish 12" Thick Brick Interior Partition/Wall	6.23	
02 41 19 16-0039	SF	Demolish 16" Thick Brick Interior Partition/Wall	7.80	
02 41 19 16-0040		Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0023)*		
02 41 19 16-0041	SF	Demolish Glass Block Interior Partition/Walls	3.46	
02 41 19 16-0042		Demolish Concrete Interior Partition/Walls *(02 41 19 16-0023)*		
		See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0043	SF	Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.34	
02 41 19 16-0044	SF	Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.18	
02 41 19 16-0045	SF	Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	12.85	
02 41 19 16-0046	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	8.81	
02 41 19 16-0047	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	11.08	
02 41 19 16-0048	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	15.42	
02 41 19 16-0049		Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0023)*		
02 41 19 16-0050	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.38	
02 41 19 16-0051		Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0022)*		
		Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	2.46	
		For Heights >14' To 20', Add	*0.37*	
		For Heights >20', Add	*0.49*	
02 41 19 16-0053	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	2.86	
		For Heights >14' To 20', Add	*0.43*	
		For Heights >20', Add	*0.57*	
02 41 19 16-0054	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.14	
		For Heights >14' To 20', Add	*0.47*	
		For Heights >20', Add	*0.63*	
02 41 19 16-0055	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	4.37	
		For Heights >14' To 20', Add	*0.66*	
		For Heights >20', Add	*0.87*	
02 41 19 16-0056	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.29	
		For Heights >14' To 20', Add	*0.19*	
		For Heights >20', Add	*0.26*	
02 41 19 16-0057	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.54	
		For Heights >14' To 20', Add	*0.23*	
		For Heights >20', Add	*0.31*	

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

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

02 43 13 00-0001		Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13)*		
		Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	27.91	
02 43 13 00-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	26.39	
02 43 13 00-0004	SF	>920 SF, Move Relocatable Metal Frame Building	24.69	
02 43 13 00-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	22.40	
02 43 13 00-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	20.93	
02 43 13 00-0007	SF	>920 SF, Move Relocatable Wood Frame Building	18.52	
02 43 13 00-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	27.13	
02 43 13 00-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.69	
02 43 13 00-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	20.93	

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal And Disposal Of Contaminated Soils *(02 60)*

02 61 13 Excavation And Handling Of Contaminated Material *(02 61)*

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0001		**Excavation Of Non-Petroleum Contaminated Soil** *(02 61 13)* See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.		
02 61 13 00-0002		**Excavate Non-Petroleum Contaminated Soil** *(02 61 13 00-0001)*		
02 61 13 00-0003	CY	Excavate Non Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	6.88	
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil	5.96	
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil	62.57	
02 61 13 00-0006		**Excavate Petroleum Contaminated Soil** *(02 61 13)*		
02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	10.32	
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil	5.96	
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil	100.25	
02 61 13 00-0010		**Accessories For Contaminated Soil Stockpile** *(02 61 13)* See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.00	
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.61	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0037 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001		**Monitoring, Sampling, Testing And Analysis** *(02 65)*		
02 65 00 00-0002		**Field Samples For Testing** *(02 65 00 00-0001)*		
02 65 00 00-0003	EA	Collection Of Sludge Sample	24.71	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample	24.71	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	24.71	
02 65 00 00-0006		**Lab Tests For Underground Storage Tank Removal** *(02 65 00 00-0001)* Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	111.07	
02 65 00 00-0008	EA	Lab Test - Flashpoint Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	43.19	
02 65 00 00-0009	EA	Lab Test - TOX 9020 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	103.90	
02 65 00 00-0010	EA	Lab Test - TPH 8015 Modified Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	111.07	
02 65 00 00-0011	EA	Lab Test - TRPH 418.1 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	86.39	
02 65 00 00-0012	EA	Lab Test - VOC Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	234.48	
02 65 00 00-0013	EA	Lab Test - Semi-Volatile Organic Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	431.94	
02 65 00 00-0014	EA	Lab Test - Oil And Grease 413.1 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	51.95	
02 65 00 00-0015	EA	Lab Test - TCLP (Extraction) - Metals Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	92.56	
02 65 00 00-0016	EA	Lab Test - TCLP (Extraction) - Semi-Volatile Organic Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	123.41	
02 65 00 00-0017	EA	Lab Test - Metals 6010 RCRA Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	138.22	
02 65 00 00-0018	EA	Lab Test - Metals (Arsenic) 7060 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	18.51	
02 65 00 00-0019	EA	Lab Test - Metals (Selenium) 7740 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	18.51	
02 65 00 00-0020	EA	Lab Test - Metals (Lead) 7421 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	18.51	
02 65 00 00-0021	EA	Lab Test - Metals (Mercury) 7470 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	34.55	
02 65 00 00-0022	EA	Lab Test - PNA/PAH 8100 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	197.46	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0023	EA	Lab Test - Fuel Id ASTM D3328-78 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	71.43	
02 65 00 00-0024	EA	Lab Test - pH	14.81	
02 65 00 00-0025	EA	Lab Test - PCBs In Wastewater	185.12	
02 65 00 00-0026	EA	Lab Test - Methyl Tertiary Butyl Ether (MTBE)	111.07	
02 65 00 00-0027		Tests, Surveys And Maintenance *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,024.16	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	157.93	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	37.49	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	275.89	
02 65 00 00-0032	EA	Replace Anode On Impressed System	112.77	
02 65 00 00-0033	EA	Replace Power Converter On Impressed System	163.78	
02 65 00 00-0034	EA	Replace Monitor Probes	244.30	
02 65 00 00-0035	EA	Ultrasonic Test	73.85	
02 65 00 00-0036		Tests And Sampling Labor Hours *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer	118.00	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	118.00	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	103.62	
02 65 00 00-0040		Remove Tank Contents *(02 65)*		
02 65 00 00-0041		Transfer Liquid *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.58	
02 65 00 00-0043		Pump Contaminated Liquids And Rinse Material *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.76	
02 65 00 00-0045	GAL	Removal and Disposal Of Non Hazardous Liquid From Tank	1.14	
02 65 00 00-0046		Sludge *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	5.53	
02 65 00 00-0048	GAL	Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank	1.40	
02 65 00 00-0049		Purge Vapors, Open And Clean Tank *(02 65)*		
02 65 00 00-0050		Purge Vapors *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	3.02	
02 65 00 00-0052		High Pressure Water Wash And Rinse Of Tank Interior *(02 65 00 00-0049)*		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	240.43	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	309.13	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	391.56	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	508.35	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	948.00	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,140.35	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,270.87	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,525.04	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,895.99	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,280.69	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,850.86	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,563.92	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,454.20	
02 65 00 00-0066		Scrape Clean Tank Exterior *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	186.96	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	248.97	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	326.24	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	451.77	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,000.46	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,266.79	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,482.37	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,863.56	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	2,422.16	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	3,040.30	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	3,958.72	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	4,750.46	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	5,938.08	

02 65 00 00-0080 Tank And Piping Removal *(02 65)*

Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.

02 65 00 00-0081 Removal And Disposal Of Piping *(02 65 00 00-0080)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	14.89	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	19.85	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	517.13	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	627.95	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	738.76	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	923.45	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,292.83	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,625.27	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,846.90	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,216.27	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,955.03	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,542.43	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,151.00	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,856.31	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,070.38	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' O.C. height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	630.44	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,175.69	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,414.23	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,576.11	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,891.32	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,351.37	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,828.46	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,535.58	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,419.48	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,524.34	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	301.85	
		For Each Additional Mile >15 Miles, Add	*3.51*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	419.52	
		For Each Additional Mile >15 Miles, Add	*4.43*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	669.64	
		For Each Additional Mile >15 Miles, Add	*6.65*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,117.66	
		For Each Additional Mile >15 Miles, Add	*7.76*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,973.05	
		For Each Additional Mile >15 Miles, Add	*13.67*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,017.38	
		For Each Additional Mile >15 Miles, Add	*14.78*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,091.26	
		For Each Additional Mile >15 Miles, Add	*16.62*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,093.34	
		For Each Additional Mile >15 Miles, Add	*22.16*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,155.60	
		For Each Additional Mile >15 Miles, Add	*33.25*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,922.34	
		For Each Additional Mile >15 Miles, Add	*36.94*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	6,132.86	
		For Each Additional Mile >15 Miles, Add	*44.33*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,855.75	
		For Each Additional Mile >15 Miles, Add	*53.19*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	10,789.63	
		For Each Additional Mile >15 Miles, Add	*61.17*	

02 65 00 00-0123 Other Storage Tank Removals *(02 65 00 00-0080)*

02 65 00 00-0124	GAL	Removal Of Cement Lining	0.45	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.16	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.87	

02 65 00 00-0127 Tank Closure Report *(02 65 00 00-0080)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	2,560.39	

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	513.53	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	513.53	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,027.06	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	770.29	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,797.35	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,283.82	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	2,812.99	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	3,371.12	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	5,692.95	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	1,112.65	

02 80 Facility Remediation *(02)*

02 81 Transportation And Disposal Of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	350.00	
02 81 00 00-0003	DRM	Disposal Of Non-PCB Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	55.00	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic PCB Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	250.00	
02 81 00 00-0005	DRM	Disposal of Toxic PCB Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	450.00	
02 81 00 00-0006	CF	Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	61.84	

02 82 Asbestos Remediation *(02 80)*

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects. See CSI section 01 56 16 00-0030 for temporary stud walls, 01 74 19 00-0037 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Minimum Charge For Asbestos Remediation *(02 82 13)*

02 82 13 00-0002	EA	Asbestos Remediation Minimum Show Up Charge Note: For projects where the total asbestos remediation charge is less than the minimum charge, use task "Minimum Charge For Asbestos Remediation" exclusively. Task "Minimum Charge For Asbestos Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	778.90	

02 82 13 00-0003 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0004	HR	Bulk Sampling Or Air Monitoring, Asbestos Testing	62.64	
02 82 13 00-0005	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	33.55	
02 82 13 00-0006	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	39.33	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0007	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	62.47	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	107.58	
02 82 13 00-0009	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	130.72	
02 82 13 00-0010	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	26.61	
02 82 13 00-0011	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	32.39	
02 82 13 00-0012	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	43.96	
02 82 13 00-0013	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	33.55	
02 82 13 00-0014	EA	Next Day Turnaround, (Air Point Counting) PLM Test	39.33	
02 82 13 00-0015	EA	Same Day Turnaround, (Air Point Counting) PLM Test	62.47	
02 82 13 00-0016	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	107.58	
02 82 13 00-0017	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	123.78	
02 82 13 00-0018	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	172.36	

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

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.16	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.54	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.61	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.81	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	5.15	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.76	

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

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	EA	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	518.94	
		For Work In Restricted Working Space, Add	*155.68*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.54	
		For Work In Restricted Working Space, Add	*7.96*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.90	
		For Work In Restricted Working Space, Add	*5.97*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.93	
		For Work In Restricted Working Space, Add	*4.48*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	11.19	
		For Work In Restricted Working Space, Add	*3.36*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	9.74	
		For Work In Restricted Working Space, Add	*2.92*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	EA	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	518.94	
		For Work In Restricted Working Space, Add	*155.68*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.52	
		For Work In Restricted Working Space, Add	*9.16*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.88	
		For Work In Restricted Working Space, Add	*6.86*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	17.17	
		For Work In Restricted Working Space, Add	*5.15*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.87	
		For Work In Restricted Working Space, Add	*3.86*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	11.19	
		For Work In Restricted Working Space, Add	*3.36*	

02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0018	EA	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	563.68	
		For Work In Restricted Working Space, Add	*169.10*	
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	83.50	
		For Work In Restricted Working Space, Add	*25.05*	
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	32.41	
		For Work In Restricted Working Space, Add	*9.72*	
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	24.30	
		For Work In Restricted Working Space, Add	*7.29*	
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	18.23	
		For Work In Restricted Working Space, Add	*5.47*	

02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0024		Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0023)*		
02 82 33 00-0025	EA	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0026	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	31.72	
02 82 33 00-0027	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	26.08	
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	20.85	
02 82 33 00-0029	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	16.93	
02 82 33 00-0030		Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0023)*		
02 82 33 00-0031	EA	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0032	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	28.09	
02 82 33 00-0033	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	22.45	
02 82 33 00-0034	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	17.22	
02 82 33 00-0035	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	13.31	
02 82 33 00-0036		Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0023)*		
02 82 33 00-0037	EA	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0038	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	24.98	
02 82 33 00-0039	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	19.34	
02 82 33 00-0040	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	14.11	
02 82 33 00-0041	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	10.19	
02 82 33 00-0042		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0023)*		
		Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0043	EA	Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0044	SF	>10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.54	
02 82 33 00-0045	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.90	
02 82 33 00-0046	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	15.68	
02 82 33 00-0047	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	11.75	
02 82 33 00-0048		Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0049		Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0048)*		
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0051 for areas > 1 SF see CSI section.		
02 82 33 00-0050	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	129.74	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0051		Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0048)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0052	EA	Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0053	SF	>10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	31.84	
02 82 33 00-0054	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.87	
02 82 33 00-0055	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.91	
02 82 33 00-0056	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.43	
02 82 33 00-0057		Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0048)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0058	EA	Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0059	SF	>10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.30	
02 82 33 00-0060	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	10.06	
02 82 33 00-0061	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.46	
02 82 33 00-0062	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.51	
02 82 33 00-0063		Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0048)*		
02 82 33 00-0064	EA	Up To 10 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	518.94	
		For Additional Layer, Add	*142.71*	
02 82 33 00-0065	SF	>10 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	10.22	
		For Additional Layer, Add	*2.81*	
02 82 33 00-0066	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.46	
		For Additional Layer, Add	*2.05*	
02 82 33 00-0067	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.83	
		For Additional Layer, Add	*1.60*	
02 82 33 00-0068	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.54	
		For Additional Layer, Add	*1.25*	
02 82 33 00-0069	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	3.57	
		For Additional Layer, Add	*0.98*	
02 82 33 00-0070	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	2.85	
		For Additional Layer, Add	*0.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0071		**Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0048)*		
02 82 33 00-0072	EA	Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0073	SF	>10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	19.40	
02 82 33 00-0074	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.21	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	11.09	
02 82 33 00-0076	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.63	
02 82 33 00-0077	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0078		**Stucco, Asbestos Abatement And Disposal** *(02 82 33 00-0048)*		
02 82 33 00-0079	EA	Up To 10 SF, Stucco, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0080	SF	>10 To 500 SF, Stucco, Asbestos Abatement And Disposal	22.55	
02 82 33 00-0081	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	16.92	
02 82 33 00-0082	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	12.69	
02 82 33 00-0083	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	9.51	
02 82 33 00-0084		**Spray On Acoustical Ceiling, Asbestos Abatement And Disposal** *(02 82 33 00-0048)*		
02 82 33 00-0085	EA	Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0086	SF	>10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.65	
02 82 33 00-0087	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.49	
02 82 33 00-0088	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.87	
02 82 33 00-0089	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	3.65	
02 82 33 00-0090		**Plywood, Asbestos Abatement And Disposal** *(02 82 33 00-0048)*		
02 82 33 00-0091	EA	Up To 10 SF, Plywood, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0092	SF	>10 To 500 SF, Plywood, Asbestos Abatement And Disposal	11.02	
02 82 33 00-0093	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.31	
02 82 33 00-0094	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.58	
02 82 33 00-0095	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0096		**Flooring Material, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0097		**Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal** *(02 82 33 00-0096)*		
02 82 33 00-0098		**Floor Tile Or Linoleum, Asbestos Abatement And Disposal** *(02 82 33 00-0097)* Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0099	EA	Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0100	SF	>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	5.31	
		For Each Additional Layer, Add	*1.33*	
02 82 33 00-0101	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	4.31	
		For Each Additional Layer, Add	*1.08*	
02 82 33 00-0102	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	3.41	
		For Each Additional Layer, Add	*0.85*	
02 82 33 00-0103	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	2.31	
		For Each Additional Layer, Add	*0.58*	
02 82 33 00-0104		**Carpet, Asbestos Abatement And Disposal** *(02 82 33 00-0097)*		
02 82 33 00-0105	EA	Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0106	SF	>10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	4.11	
02 82 33 00-0107	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.29	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	2.36	
02 82 33 00-0109	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	1.76	
02 82 33 00-0110		**Wall Or Cove Base, Asbestos Abatement And Disposal** *(02 82 33 00-0097)* Note: Up to 12".		
02 82 33 00-0111	EA	Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	194.60	
02 82 33 00-0112	LF	>10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.46	
02 82 33 00-0113	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.08	
02 82 33 00-0114	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.30	
02 82 33 00-0115	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	0.91	
02 82 33 00-0116		**Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0096)* Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0117	EA	Up To 10 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	518.94	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0118	SF	>10 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.33	
02 82 33 00-0119	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.98	
02 82 33 00-0120	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.75	
02 82 33 00-0121	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.60	
02 82 33 00-0122		Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0096)* Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0123	EA	Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0124	SF	>10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.13	
02 82 33 00-0125	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.47	
02 82 33 00-0126	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.51	
02 82 33 00-0127	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	2.72	
02 82 33 00-0128		Roofing, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0129		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0128)* Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0130		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0129)*		
02 82 33 00-0131	EA	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0132	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.15	
02 82 33 00-0133	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.31	
02 82 33 00-0134	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.65	
02 82 33 00-0135	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.99	
02 82 33 00-0136	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.49	
02 82 33 00-0137		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0129)*		
02 82 33 00-0138	EA	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0139	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.72	
02 82 33 00-0140	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.76	
02 82 33 00-0141	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.03	
02 82 33 00-0142	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.27	
02 82 33 00-0143	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.69	
02 82 33 00-0144		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0129)*		
02 82 33 00-0145	EA	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0146	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.24	
02 82 33 00-0147	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.18	
02 82 33 00-0148	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.37	
02 82 33 00-0149	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.52	
02 82 33 00-0150	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.89	
02 82 33 00-0151		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0128)*		
02 82 33 00-0152		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0151)*		
02 82 33 00-0153	EA	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	518.94	
02 82 33 00-0154	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.15	
		For Each Additional Layer, Add	*1.04*	
02 82 33 00-0155	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.31	
		For Each Additional Layer, Add	*0.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0156	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.65	
		For Each Additional Layer, Add	*0.66*	
02 82 33 00-0157	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.99	
		For Each Additional Layer, Add	*0.50*	
02 82 33 00-0158	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.49	
		For Each Additional Layer, Add	*0.37*	
02 82 33 00-0159		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0128)*		
02 82 33 00-0160	EA	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	129.74	
02 82 33 00-0161	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.62	
02 82 33 00-0162	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.33	
02 82 33 00-0163	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.07	
02 82 33 00-0164	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	0.78	
02 82 33 00-0165		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0128)*		
02 82 33 00-0166	EA	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	129.74	
02 82 33 00-0167	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.87	
02 82 33 00-0168	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	3.89	
02 82 33 00-0169	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	3.24	
02 82 33 00-0170	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	2.34	
02 82 33 00-0171		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0172		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0171)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0173	EA	Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	518.94	
02 82 33 00-0174	SF	>10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	5.31	
02 82 33 00-0175	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.65	
02 82 33 00-0176	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.12	
02 82 33 00-0177	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.84	
02 82 33 00-0178		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0171)*		
02 82 33 00-0179	EA	Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0180	SF	>10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.61	
02 82 33 00-0181	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.36	
02 82 33 00-0182	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.89	
02 82 33 00-0183	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.64	
02 82 33 00-0184		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0171)*		
02 82 33 00-0185	EA	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0186	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.54	
02 82 33 00-0187	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.90	
02 82 33 00-0188	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.93	
02 82 33 00-0189	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	11.19	
02 82 33 00-0190	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.40	
02 82 33 00-0191	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.20	
02 82 33 00-0192		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0171)*		
02 82 33 00-0193	EA	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	518.94	
02 82 33 00-0194	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.15	
02 82 33 00-0195	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.31	
02 82 33 00-0196	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.65	
02 82 33 00-0197	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.99	
02 82 33 00-0198	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.49	
02 82 33 00-0199		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0200		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0199)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0201	EA	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	518.94	
		For Work In Restricted Working Space, Add	*155.68*	
02 82 33 00-0202	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	51.60	
		For Work In Restricted Working Space, Add	*15.48*	
02 82 33 00-0203	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.40	
		For Work In Restricted Working Space, Add	*10.32*	
02 82 33 00-0204	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	25.84	
		For Work In Restricted Working Space, Add	*7.75*	
02 82 33 00-0205	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	20.64	
		For Work In Restricted Working Space, Add	*6.19*	
02 82 33 00-0206	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	17.54	
		For Work In Restricted Working Space, Add	*5.26*	
02 82 33 00-0207	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	15.78	
		For Work In Restricted Working Space, Add	*4.73*	

02 82 33 00-0208 Asbestos Contaminated Soil, Asbestos Abatement And Disposal *(02 82 33 00-0199)*

02 82 33 00-0209	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	778.41	
		For Work In Restricted Working Space, Add	*233.52*	
02 82 33 00-0210	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	51.60	
		For Work In Restricted Working Space, Add	*15.48*	
02 82 33 00-0211	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	34.40	
		For Work In Restricted Working Space, Add	*10.32*	
02 82 33 00-0212	CF	>250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal	25.84	
02 82 33 00-0213	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	20.64	
		For Work In Restricted Working Space, Add	*6.19*	
02 82 33 00-0214	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	17.54	
		For Work In Restricted Working Space, Add	*5.26*	
02 82 33 00-0215	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	15.78	
		For Work In Restricted Working Space, Add	*4.73*	

02 82 33 00-0216 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0199)*

02 82 33 00-0217	EA	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0218	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	46.44	
02 82 33 00-0219	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.96	
02 82 33 00-0220	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	23.26	
02 82 33 00-0221	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	18.58	
02 82 33 00-0222	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.78	
02 82 33 00-0223	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	14.21	

02 82 33 00-0224 Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0225 30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

02 82 33 00-0226	EA	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0227	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	93.41	
02 82 33 00-0228	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	84.07	

02 82 33 00-0229 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0224)*

02 82 33 00-0230	EA	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	259.47	
02 82 33 00-0231	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.31	
02 82 33 00-0232	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.98	
02 82 33 00-0233	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.42	
02 82 33 00-0234	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.95	
02 82 33 00-0235	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.52	
02 82 33 00-0236	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.18	

02 82 33 00-0237 Grout, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

Note: e.g. flue grout.

02 82 33 00-0238	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal	194.60	
02 82 33 00-0239	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	10.22	
02 82 33 00-0240	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	7.03	
02 82 33 00-0241	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	6.03	
02 82 33 00-0242	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.18	
02 82 33 00-0243	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.46	
02 82 33 00-0244	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	3.82	

02 82 33 00-0245 Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

Note: e.g. rope, web cloth, flat.

02 82 33 00-0246	EA	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	194.60	
02 82 33 00-0247	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.76	
02 82 33 00-0248	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.32	
02 82 33 00-0249	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.79	
02 82 33 00-0250	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.91	
02 82 33 00-0251	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	7.11	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0252	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.77	

02 82 33 00-0253 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 82 33 00-0254	EA	Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0255	SF	>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	11.02	
02 82 33 00-0256	SF	>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	5.31	
02 82 33 00-0257	SF	>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.58	
02 82 33 00-0258	SF	>10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.05	

02 82 33 00-0259 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0260	EA	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	518.94	
02 82 33 00-0261	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	11.02	
02 82 33 00-0262	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.31	
02 82 33 00-0263	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.58	
02 82 33 00-0264	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.05	

02 82 33 00-0265 Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0224)*

02 82 33 00-0266 Non Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0265)*

02 82 33 00-0267	EA	Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	194.60	
02 82 33 00-0268	LF	>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	7.66	
02 82 33 00-0269	LF	>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	5.39	
02 82 33 00-0270	LF	>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	4.01	
02 82 33 00-0271	LF	>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.01	
02 82 33 00-0272	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.39	
02 82 33 00-0273	LF	>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.07	

02 83 Lead Remediation *(02 80)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0037 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

02 83 19 13-0001 Testing Material Of Lead Contamination *(02 83 19 13)*

Note: Includes report from certified/qualified personnel.

02 83 19 13-0002	EA	Test Existing Material For Lead, Up To 10 Tests	25.69	
02 83 19 13-0003	EA	Test Existing Material For Lead, >10 To 25 Tests	22.75	
02 83 19 13-0004	EA	Test Existing Material For Lead, 26 To 50 Tests	21.28	
02 83 19 13-0005	EA	Test Existing Material For Lead, 51 To 100 Tests	19.82	
02 83 19 13-0006	EA	Test Existing Material For Lead, 101 To 150 Tests	17.61	
02 83 19 13-0007	EA	Test Existing Material For Lead, 151 To 250 Tests	16.15	
02 83 19 13-0008	EA	Test Existing Material For Lead, >250 Tests	14.68	
02 83 19 13-0009	EA	Lead Inspections Of Units	220.18	
02 83 19 13-0010	HR	Lead-Based Paint Inspector	65.00	
02 83 19 13-0011	EA	Lead Danger Sign	14.46	

02 83 19 13-0012 Sampling And Testing *(02 83 19 13)*

Note: Includes taking sample, delivery to lab and lab fee.

02 83 19 13-0013	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface And Lab Fee	39.88	
02 83 19 13-0014	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	38.17	
02 83 19 13-0015	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	57.84	
02 83 19 13-0016	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	80.98	
02 83 19 13-0017	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (5 Day Turnaround) And Lab Fee	15.04	
02 83 19 13-0018	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (24 Hour Turnaround) And Lab Fee	23.14	
02 83 19 13-0019	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (8 Hour Turnaround) And Lab Fee	28.92	
02 83 19 13-0020	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	38.17	
02 83 19 13-0021	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	57.84	
02 83 19 13-0022	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	6.36	
02 83 19 13-0023	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	8.68	
02 83 19 13-0024	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	12.72	
02 83 19 13-0025	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee	6.36	
02 83 19 13-0026	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee	8.68	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0027	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee	12.72	
02 83 19 13-0028	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	23.14	
02 83 19 13-0029	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee	34.70	
02 83 19 13-0030	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee	46.27	
02 83 19 13-0031	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	23.93	
02 83 19 13-0032	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee	47.85	
02 83 19 13-0033		**Minimum Charge For Lead-Based Paint Remediation** *(02 83 19 13)*		
02 83 19 13-0034	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	838.33	
02 83 19 13-0035		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0036	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	26.85	
02 83 19 13-0037	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	39.83	
02 83 19 13-0038	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	11.53	
02 83 19 13-0039	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	23.55	
02 83 19 13-0040	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	12.53	
02 83 19 13-0041	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	35.50	
02 83 19 13-0042	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	7.72	
02 83 19 13-0043	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	22.45	
02 83 19 13-0044	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	28.60	
02 83 19 13-0045	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	10.65	
02 83 19 13-0046	SF	Columns, Chemical Stripping Of Lead Contaminated Material	10.25	
02 83 19 13-0047	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	9.02	
02 83 19 13-0048	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	9.41	
02 83 19 13-0049	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	16.34	
02 83 19 13-0050	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	46.70	
02 83 19 13-0051	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	11.58	
02 83 19 13-0052	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	6.36	
02 83 19 13-0053	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	23.99	
02 83 19 13-0054	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	28.60	
02 83 19 13-0055	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	15.01	
02 83 19 13-0056	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	18.50	
02 83 19 13-0057	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	5.17	
02 83 19 13-0058	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	8.30	
02 83 19 13-0059	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	14.84	
02 83 19 13-0060	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	20.33	
02 83 19 13-0061	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	36.46	
02 83 19 13-0062	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.89	
02 83 19 13-0063	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	216.70	
02 83 19 13-0064	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	15.16	
02 83 19 13-0065	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	16.59	
02 83 19 13-0066	SF	Siding, Chemical Stripping Of Lead Contaminated Material	8.66	
02 83 19 13-0067	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	18.15	
02 83 19 13-0068	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	8.35	
02 83 19 13-0069	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	9.48	
02 83 19 13-0070	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	9.45	
02 83 19 13-0071	SF	Trusses, Chemical Stripping Of Lead Contaminated Material	13.39	
02 83 19 13-0072	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	9.45	
02 83 19 13-0073	SF	Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	21.78	
02 83 19 13-0074	SF	Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	23.84	
02 83 19 13-0075	SF	Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	25.23	
02 83 19 13-0076	SF	Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	26.64	
02 83 19 13-0077	SF	Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	28.03	
02 83 19 13-0078	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	29.47	
02 83 19 13-0079	SF	Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	30.82	
02 83 19 13-0080	SF	Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	31.52	
02 83 19 13-0081	SF	Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	32.23	
02 83 19 13-0082	SF	Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	32.92	
02 83 19 13-0083	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	43.47	
02 83 19 13-0084	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	7.54	
02 83 19 13-0085	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	22.10	
02 83 19 13-0086	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	24.17	
02 83 19 13-0087		**Demolish Lead Contaminated Material** *(02 83 19 13)* Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0088	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	1.92	
02 83 19 13-0089	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.11	
02 83 19 13-0090	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.71	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0091	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.11	
02 83 19 13-0092	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	53.35	
02 83 19 13-0093	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	70.76	
02 83 19 13-0094	SF	Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	7.90	
02 83 19 13-0095	SF	Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	4.43	
02 83 19 13-0096	SF	Demolish Brick, Lead Contaminated Material	3.33	
02 83 19 13-0097	SF	Demolish Concrete Block, Lead Contaminated Material	4.29	
02 83 19 13-0098	SF	Demolish Tile, Lead Contaminated Material	3.23	
02 83 19 13-0099	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.86	
02 83 19 13-0100	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.75	
02 83 19 13-0101	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.99	
02 83 19 13-0102	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	5.53	
02 83 19 13-0103	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.44	
02 83 19 13-0104	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.80	
02 83 19 13-0105	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.17	
02 83 19 13-0106	SF	Demolish Concrete, Lead Contaminated Material	11.00	
02 83 19 13-0107	LF	Demolish Cabinets, Lead Contaminated Material	25.63	
02 83 19 13-0108	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.45	
02 83 19 13-0109	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	14.20	
02 83 19 13-0110	SF	Demolish Cornice, Lead Contaminated Material	1.88	
02 83 19 13-0111	EA	Demolish Doors, Lead Contaminated Material	55.61	
02 83 19 13-0112	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	1.70	
02 83 19 13-0113	EA	Demolish Electrical Devices, Lead Contaminated Material	17.06	
02 83 19 13-0114	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.19	
02 83 19 13-0115	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	3.64	
02 83 19 13-0116	SF	Demolish Wood Floors, Lead Contaminated Material	2.63	
02 83 19 13-0117	SF	Demolish Grilles, Lead Contaminated Material	3.09	
02 83 19 13-0118	EA	Demolish Hinges, Lead Contaminated Material	6.21	
02 83 19 13-0119	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	13.32	
02 83 19 13-0120	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	5.46	
02 83 19 13-0121	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	7.98	
02 83 19 13-0122	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	12.05	
02 83 19 13-0123	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	22.22	
02 83 19 13-0124	EA	Demolish Radiators, Lead Contaminated Material	95.98	
02 83 19 13-0125	EA	Demolish Shutters, Lead Contaminated Material	37.40	
02 83 19 13-0126	SF	Demolish Siding, Lead Contaminated Material	1.49	
02 83 19 13-0127	SF	Demolish Soffit, Lead Contaminated Material	1.27	
02 83 19 13-0128	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	3.45	
02 83 19 13-0129	SF	Demolish Steel Beams, Lead Contaminated Material	4.07	
02 83 19 13-0130	SF	Demolish Trusses, Lead Contaminated Material	5.34	
02 83 19 13-0131	SF	Demolish Walls, Wood, Lead Contaminated Material	3.95	
02 83 19 13-0132	SF	Demolish Windows, Lead Contaminated Material	13.28	
02 83 19 13-0133	SF	Demolish Metal Stair, Lead Contaminated Material	6.35	
02 83 19 13-0134	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	4.67	
02 83 19 13-0135	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.63	
02 83 19 13-0136	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.10	
02 83 19 13-0137	SF	Demolish Plywood, Lead Contaminated Material	5.74	
02 83 19 13-0138	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	2.80	
02 83 19 13-0139	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	17.51	
02 83 19 13-0140	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	3.82	
02 83 19 13-0141	LF	Demolish Metal Guard Rails, Lead Contaminated Material	10.51	
02 83 19 13-0142	LF	Demolish Roof Metal Trim, Lead Contaminated Material	2.24	
02 83 19 13-0143	LF	Demolish Rain Gutters, Lead Contaminated Material	2.45	
02 83 19 13-0144	LF	Demolish Downspouts, Lead Contaminated Material	2.45	
02 83 19 13-0145	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	2.24	
02 83 19 13-0146	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	5.61	
02 83 19 13-0147	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	5.61	
02 83 19 13-0148	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	4.03	
02 83 19 13-0149	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.15	
02 83 19 13-0150	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	2.45	
02 83 19 13-0151	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material	17.51	
02 83 19 13-0152	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	12.46	
02 83 19 13-0153	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	9.35	
02 83 19 13-0154	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	7.00	
02 83 19 13-0155		**Wet Sanding Of Lead Contaminated Material** *(02 83 19 13)*		
02 83 19 13-0156	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.52	
02 83 19 13-0157		**Lead Abatement Encapsulation** *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0158	SF	Balustrades, Lead Abatement Encapsulation	4.70	
02 83 19 13-0159	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.54	
02 83 19 13-0160	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	7.45	
02 83 19 13-0161	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	2.98	
02 83 19 13-0162	SF	Ornate Cabinets, Lead Abatement Encapsulation	6.87	
02 83 19 13-0163	SF	Simple Design Cabinets, Lead Abatement Encapsulation	5.57	
02 83 19 13-0164	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.81	
02 83 19 13-0165	SF	Wood Ceilings, Lead Abatement Encapsulation	2.23	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0166	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.07	
02 83 19 13-0167	SF	Columns, Lead Abatement Encapsulation	3.62	
02 83 19 13-0168	SF	Doors, Lead Abatement Encapsulation	8.08	
02 83 19 13-0169	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.10	
02 83 19 13-0170	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.11	
02 83 19 13-0171	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.74	
02 83 19 13-0172	SF	Grilles, Vents, Lead Abatement Encapsulation	5.09	
02 83 19 13-0173	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.70	
02 83 19 13-0174	EA	Hangers, Lead Abatement Encapsulation	41.01	
02 83 19 13-0175	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.86	
02 83 19 13-0176	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.03	
02 83 19 13-0177	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.21	
02 83 19 13-0178	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.16	
02 83 19 13-0179	EA	Radiators, Lead Abatement Encapsulation	172.53	
02 83 19 13-0180	EA	Up To 6' Shutters, Lead Abatement Encapsulation	149.31	
02 83 19 13-0181	SF	Siding, Lead Abatement Encapsulation	2.55	
02 83 19 13-0182	SF	Up To 12" Soffit, Lead Abatement Encapsulation	3.62	
02 83 19 13-0183	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	2.98	
02 83 19 13-0184	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	3.93	
02 83 19 13-0185	SF	Trusses, Lead Abatement Encapsulation	3.93	
02 83 19 13-0186	SF	Drywall Walls, Lead Abatement Encapsulation	1.63	
02 83 19 13-0187	SF	Wood Walls, Lead Abatement Encapsulation	2.00	
02 83 19 13-0188	EA	Window Without Grille, Lead Abatement Encapsulation	148.84	
02 83 19 13-0189	EA	Window With Grille, Lead Abatement Encapsulation	174.83	
02 83 19 13-0190	LF	Frames And Trim, Lead Abatement Encapsulation	2.73	
02 83 19 13-0191	LF	Steel Lintels, Lead Abatement Encapsulation	3.11	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*

02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent	0.23	
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate	0.24	
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting	1.11	

02 84 Polychlorinate Biphenyl Remediation *(02 80)*

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury *(02 84)*

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling	7.33	

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures	0.96	
02 84 16 00-0005	EA	Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures	1.45	
02 84 16 00-0006	EA	Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures	4.50	
02 84 16 00-0007	EA	Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures	10.29	

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)*

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures	2.41	
02 84 16 00-0010	EA	Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures	3.62	
02 84 16 00-0011	EA	Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures	6.75	
02 84 16 00-0012	EA	Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures	15.43	

02 84 33 Removal and Disposal of Polychlorinate Biphenyls *(02 84)*

02 84 33 00-0001 Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers *(02 84 33)*

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB Note: Includes disposal costs.	1,732.41	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non PCB Note: Includes disposal costs.	2,688.18	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non PCB	823.44	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB Note: Includes disposal costs.	3,151.11	
02 84 33 00-0006	EA	Removal And Disposal Of Switch, PCB	1,842.82	
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, PCB Note: Includes disposal costs.	4,916.21	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 87 Bio-Hazard Material Remediation *(02 80)*

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0037 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001 Minimum Charge For Mold Remediation *(02 87 13 33)*

02 87 13 33-0002	EA	Mold Remediation Minimum Show Up Charge Note: For projects where the total mold remediation charge is less than the minimum charge, use task "Minimum Charge For Mold Remediation" exclusively. Task "Minimum Charge For Mold Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	778.90

02 87 13 33-0003 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*
Note: Treat fittings as additional lf of insulation.

02 87 13 33-0004 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0003)*
Note: Diameter is outer size of insulation.

02 87 13 33-0005 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0004)*
Note: Excludes encased fittings.

02 87 13 33-0006	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.89
02 87 13 33-0007	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	20.06
02 87 13 33-0008	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.04
02 87 13 33-0009	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.29
02 87 13 33-0010	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.46
02 87 13 33-0011	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	7.37

02 87 13 33-0012 >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0004)*

02 87 13 33-0013	LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	30.92
02 87 13 33-0014	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.08
02 87 13 33-0015	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.31
02 87 13 33-0016	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.98
02 87 13 33-0017	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.74
02 87 13 33-0018	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.47

02 87 13 33-0019 Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0020 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0019)*

02 87 13 33-0021	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	16.21
02 87 13 33-0022	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.53
02 87 13 33-0023	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.65
02 87 13 33-0024	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.49
02 87 13 33-0025	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.98

02 87 13 33-0026 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*
Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0027 Stucco, Mold Abatement And Disposal *(02 87 13 33-0026)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0028	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal	16.21
02 87 13 33-0029	SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.53
02 87 13 33-0030	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.65
02 87 13 33-0031	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.49
02 87 13 33-0032	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.88

02 87 13 33-0033 Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0026)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0034	SF	Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal	16.21
02 87 13 33-0035	SF	>100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	11.53
02 87 13 33-0036	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	8.65
02 87 13 33-0037	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	6.49
02 87 13 33-0038	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	4.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0039		Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0026)*		
02 87 13 33-0040	SF	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	5.19	
02 87 13 33-0041	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	3.73	
02 87 13 33-0042	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	2.92	
02 87 13 33-0043	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.27	
02 87 13 33-0044	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.62	
02 87 13 33-0045		Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0026)*		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0046	SF	Up To 100 SF, Fireproofing, Mold Abatement And Disposal	16.21	
02 87 13 33-0047	SF	>100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.89	
02 87 13 33-0048	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.93	
02 87 13 33-0049	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.95	
02 87 13 33-0050	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	6.71	
02 87 13 33-0051		Flooring, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: Includes cove base.		
02 87 13 33-0052		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0051)*		
02 87 13 33-0053		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0052)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0054	SF	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.90	
		For Each Additional Layer, Add	*1.48*	
02 87 13 33-0055	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.71	
		For Each Additional Layer, Add	*0.93*	
02 87 13 33-0056	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.99	
		For Each Additional Layer, Add	*0.50*	
02 87 13 33-0057	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.08	
		For Each Additional Layer, Add	*0.27*	
02 87 13 33-0058	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.79	
		For Each Additional Layer, Add	*0.20*	
02 87 13 33-0059		Carpet, Mold Abatement And Disposal *(02 87 13 33-0051)*		
02 87 13 33-0060		Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0059)*		
02 87 13 33-0061	SF	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.72	
02 87 13 33-0062	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.06	
02 87 13 33-0063	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.85	
02 87 13 33-0064	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.18	
02 87 13 33-0065	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	0.87	
02 87 13 33-0066		Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0059)*		
02 87 13 33-0067	SF	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	5.19	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	3.46	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	2.47	
		Note: Includes tack strips.		
02 87 13 33-0070	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.92	
		Note: Includes tack strips.		
02 87 13 33-0071	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.44	
		Note: Includes tack strips.		
02 87 13 33-0072		Subflooring, Mold Abatement And Disposal *(02 87 13 33-0051)*		
02 87 13 33-0073	SF	Up To 100 SF, Subflooring, Mold Abatement And Disposal	6.86	
02 87 13 33-0074	SF	>100 To 500 SF, Subflooring, Mold Abatement And Disposal	4.29	
02 87 13 33-0075	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.68	
02 87 13 33-0076	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.55	
02 87 13 33-0077	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	0.92	
02 87 13 33-0078		Siding, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0079		Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0078)*		
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	5.19	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.69	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.54	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.42	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0084	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.04	
		Note: Includes detachment of mounted objects before removal.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0085		Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0078)*		
02 87 13 33-0086	SF	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.21	
02 87 13 33-0087	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.63	
02 87 13 33-0088	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.16	
02 87 13 33-0089	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.08	
02 87 13 33-0090	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.85	
02 87 13 33-0091		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0092		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0091)*		
02 87 13 33-0093	CF	Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.92	
02 87 13 33-0094	CF	>10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.95	
02 87 13 33-0095	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.97	
02 87 13 33-0096	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.97	
02 87 13 33-0097	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	7.18	
02 87 13 33-0098	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.92	
02 87 13 33-0099	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.53	
02 87 13 33-0100		Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0101		Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0100)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0102	LF	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.91	
02 87 13 33-0103	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.09	
02 87 13 33-0104	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.53	
02 87 13 33-0105	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.18	
02 87 13 33-0106	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	0.87	
02 87 13 33-0107		Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0100)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0108	SF	Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	8.65	
02 87 13 33-0109	SF	>200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.49	
02 87 13 33-0110	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.96	
02 87 13 33-0111	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.08	
02 87 13 33-0112	SF	>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.85	
02 87 13 33-0113		Caulking, Mold Abatement And Disposal *(02 87 13 33-0100)*		
02 87 13 33-0114	LF	Up To 10 LF, Caulking, Mold Abatement And Disposal	3.06	
02 87 13 33-0115	LF	>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.59	
02 87 13 33-0116	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.85	
02 87 13 33-0117	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.40	
02 87 13 33-0118	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.04	
02 87 13 33-0119	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.84	
02 87 13 33-0120	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.72	
02 87 13 33-0121		Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0100)*		
02 87 13 33-0122	CSF	Wipe Down Floors With Mild Bleach Solution	14.41	
02 87 13 33-0123	CSF	Wipe Down Walls With Mild Bleach Solution	16.96	
02 87 13 33-0124	CSF	Wipe Down Ceilings With Mild Bleach Solution	19.29	
02 87 13 33-0125	CSF	Wipe Down Countertops With Mild Bleach Solution	15.73	
02 87 13 33-0126	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	19.96	
02 87 13 33-0127		Cabinets *(02 87 13 33-0100)*		
02 87 13 33-0128	LF	Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	53.24	
02 87 13 33-0129	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	37.58	
02 87 13 33-0130	LF	Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal	46.97	
02 87 13 33-0131	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	31.32	
02 87 16		**Excrement Removal** *(02 87)*		
02 87 16 13		**Bird Excrement Removal** *(02 87 16)*		
02 87 16 13-0001		Bird Waste Removal *(02 87 16 13)* Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	518.94	
		For Work In Restricted Working Space, Add	*155.68*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.65	
		For Work In Restricted Working Space, Add	*2.60*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.86	
		For Work In Restricted Working Space, Add	*2.36*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	7.15	
		For Work In Restricted Working Space, Add	*2.15*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	6.50	
		For Work In Restricted Working Space, Add	*1.95*	

02 89 Hazmat Ancillary Tasks And Support *(02 80)*

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

Note: Includes removal and disposal after use.

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

See CSI section 01 56 16 00-0030 for temporary stud walls.

02 89 00 00-0003 Cleaning Surfaces *(02 89 00 00-0001)*

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

02 89 00 00-0004	SF	Up To 100 SF, Clean Asbestos Surface	1.26
02 89 00 00-0005	SF	>100 To 500 SF, Clean Asbestos Surface	0.89
02 89 00 00-0006	SF	>500 To 1,000 SF, Clean Asbestos Surface	0.57
02 89 00 00-0007	SF	>1,000 SF, Clean Asbestos Surface	0.44

02 89 00 00-0008 Hazmat Containment Construction *(02 89 00 00-0001)*

02 89 00 00-0009	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.31
02 89 00 00-0010	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41
02 89 00 00-0011	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.55
02 89 00 00-0012	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction	0.51
02 89 00 00-0013	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.65
02 89 00 00-0014	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.86

02 89 00 00-0015 Decontamination Chambers *(02 89)*

Note: Includes removal after use.

02 89 00 00-0016	EA	Portable Personnel Decontamination Wash Facility (3 Stage) Note: Includes connection to negative air system.	639.94
		For Dismantling And Relocation To A Different Area, Add	*394.64*
02 89 00 00-0017	EA	Portable Personnel Decontamination Wash Facility (5 Stage) Note: Includes connection to negative air system.	756.23
		For Dismantling And Relocation To A Different Area, Add	*470.38*
02 89 00 00-0018	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	406.83
		For Dismantling And Relocation To A Different Area, Add	*284.18*

02 90 Disaster Recovery *(02)*

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

02 90 50 Cleaning And Emergency Clean-up *(02 90)*

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

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal	7.70
02 90 50 00-0003	SY	Wet Carpet Tile Removal	1.87
02 90 50 00-0004	SF	Wet Batt Insulation Removal	0.16
02 90 50 00-0005	SF	Wet Ceiling Tile Removal	0.19
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal	0.18
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal	0.29

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

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

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

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe	27.18
		For Medium Clean, Add	*11.42*
		For Heavy Clean, Add	*35.33*
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean	1.51
		For Medium Clean, Add	*0.63*
		For Heavy Clean, Add	*1.96*
02 90 50 00-0012	LF	Shelving, Light Clean	2.72
		For Medium Clean, Add	*1.14*
		For Heavy Clean, Add	*3.54*
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean	7.85
		For Medium Clean, Add	*3.30*
		For Heavy Clean, Add	*10.21*
02 90 50 00-0014	EA	Upholstered Chair, Light Clean	25.37
		For Medium Clean, Add	*10.66*
		For Heavy Clean, Add	*32.98*
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean	156.47
		For Medium Clean, Add	*65.72*
		For Heavy Clean, Add	*203.41*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0016	EA	Desk, Light Clean	32.02	
		For Medium Clean, Add	*13.45*	
		For Heavy Clean, Add	*41.63*	
02 90 50 00-0017	EA	Table, Light Clean	30.21	
		For Medium Clean, Add	*12.69*	
		For Heavy Clean, Add	*39.27*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean	6.62	
		For Medium Clean, Add	*2.78*	
		For Heavy Clean, Add	*8.61*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean	8.48	
		For Medium Clean, Add	*3.56*	
		For Heavy Clean, Add	*11.02*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean	6.95	
		For Medium Clean, Add	*2.92*	
		For Heavy Clean, Add	*9.04*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean	13.59	
		For Medium Clean, Add	*5.71*	
		For Heavy Clean, Add	*17.67*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean	6.95	
		For Medium Clean, Add	*2.92*	
		For Heavy Clean, Add	*9.04*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean	12.09	
		For Medium Clean, Add	*5.08*	
		For Heavy Clean, Add	*15.72*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean	2.90	
		For Medium Clean, Add	*1.22*	
		For Heavy Clean, Add	*3.77*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean	0.40	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.52*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean	5.14	
		For Medium Clean, Add	*2.16*	
		For Heavy Clean, Add	*6.68*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean	5.83	
		For Medium Clean, Add	*2.45*	
		For Heavy Clean, Add	*7.58*	
02 90 50 00-0029	SF	Overhead Door, Light Clean	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0030	SF	Mirror, Light Clean	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0031	SF	Window, Light Clean	0.89	
		For Medium Clean, Add	*0.37*	
		For Heavy Clean, Add	*1.16*	
02 90 50 00-0032	LF	Handrail, Light Clean	0.79	
		For Medium Clean, Add	*0.33*	
		For Heavy Clean, Add	*1.03*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean	0.42	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.55*	
02 90 50 00-0034	SF	Hard Floor, Light Clean	0.35	
		For Medium Clean, Add	*0.15*	
		For Heavy Clean, Add	*0.46*	
02 90 50 00-0035	SF	Carpet, Light Clean	0.36	
		For Medium Clean, Add	*0.15*	
		For Heavy Clean, Add	*0.47*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean	0.25	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.33*	
02 90 50 00-0039	SF	Wall, Light Clean	0.18	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.23*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean	0.25	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.33*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	63.72	
		For Medium Clean, Add	*26.76*	
		For Heavy Clean, Add	*82.84*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	79.64	
		For Medium Clean, Add	*33.45*	
		For Heavy Clean, Add	*103.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	95.57	
		For Medium Clean, Add	*40.14*	
		For Heavy Clean, Add	*124.24*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean	111.50	
		For Medium Clean, Add	*46.83*	
		For Heavy Clean, Add	*144.95*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean	0.69	
		For Medium Clean, Add	*0.29*	
		For Heavy Clean, Add	*0.90*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean	1.41	
		For Medium Clean, Add	*0.59*	
		For Heavy Clean, Add	*1.83*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean	1.62	
		For Medium Clean, Add	*0.68*	
		For Heavy Clean, Add	*2.11*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean	1.49	
		For Medium Clean, Add	*0.63*	
		For Heavy Clean, Add	*1.94*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean	1.71	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.22*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean	1.82	
		For Medium Clean, Add	*0.76*	
		For Heavy Clean, Add	*2.37*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean	2.10	
		For Medium Clean, Add	*0.88*	
		For Heavy Clean, Add	*2.73*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean	12.52	
		For Medium Clean, Add	*5.26*	
		For Heavy Clean, Add	*16.28*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean	29.50	
		For Medium Clean, Add	*12.39*	
		For Heavy Clean, Add	*38.35*	
02 90 50 00-0056	EA	Range, Outside, Light Clean	25.49	
		For Medium Clean, Add	*10.71*	
		For Heavy Clean, Add	*33.14*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean	18.12	
		For Medium Clean, Add	*7.61*	
		For Heavy Clean, Add	*23.56*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean	18.30	
		For Medium Clean, Add	*7.69*	
		For Heavy Clean, Add	*23.79*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean	8.39	
		For Medium Clean, Add	*3.52*	
		For Heavy Clean, Add	*10.91*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean	5.41	
		For Medium Clean, Add	*2.27*	
		For Heavy Clean, Add	*7.03*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean	15.10	
		For Medium Clean, Add	*6.34*	
		For Heavy Clean, Add	*19.63*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean	58.00	
		For Medium Clean, Add	*24.36*	
		For Heavy Clean, Add	*75.40*	
02 90 50 00-0065	EA	Grille/Register, Light Clean	5.43	
		For Medium Clean, Add	*2.28*	
		For Heavy Clean, Add	*7.06*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean	37.66	
		For Medium Clean, Add	*15.82*	
		For Heavy Clean, Add	*48.96*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean	33.53	
		For Medium Clean, Add	*14.08*	
		For Heavy Clean, Add	*43.59*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean	22.36	
		For Medium Clean, Add	*9.39*	
		For Heavy Clean, Add	*29.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0070	EA	Ceiling Fan, Light Clean	24.17	
		For Medium Clean, Add	*10.15*	
		For Heavy Clean, Add	*31.42*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean	31.42	
		For Medium Clean, Add	*13.20*	
		For Heavy Clean, Add	*40.85*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean	22.05	
		For Medium Clean, Add	*9.26*	
		For Heavy Clean, Add	*28.67*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean	14.50	
		For Medium Clean, Add	*6.09*	
		For Heavy Clean, Add	*18.85*	
02 90 50 00-0074	EA	Light Fixture, Light Clean	6.64	
		For Medium Clean, Add	*2.79*	
		For Heavy Clean, Add	*8.63*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean	5.14	
		For Medium Clean, Add	*2.16*	
		For Heavy Clean, Add	*6.68*	
02 90 50 00-0076	EA	Thermostat, Light Clean	1.81	
		For Medium Clean, Add	*0.76*	
		For Heavy Clean, Add	*2.35*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting	0.21	
02 90 50 00-0081	SF	Floor Protection - Adhesive Film	0.26	
02 90 50 00-0082	SF	Move Contents Out And Later Reset	0.48	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer	119.87	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer	158.97	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer	140.52	

02 90 50 00-0086 Water Emergency Clean-up *(02 90 50)*

02 90 50 00-0087	LF	Detach Baseboard	0.61	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard	1.09	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture)	4.01	
02 90 50 00-0090	SF	Water Extraction From Floor	0.41	
02 90 50 00-0091	SF	Gray Water Extraction From Floor	0.68	
02 90 50 00-0092	SF	Black Water Extraction From Floor	1.06	
02 90 50 00-0093	SF	Tear Out Wet Non Salvageable Carpet	0.34	
02 90 50 00-0094	SF	Tear Out Wet Non Salvageable Carpet, Black Water	0.40	
02 90 50 00-0095	SF	Tear Out Wet Non Salvageable Glue Down Carpet	0.59	
02 90 50 00-0096	SF	Tear Out Wet Non Salvageable Glue Down Carpet, Black Water	0.87	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring	0.82	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water	1.21	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water	3.11	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring	1.52	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water	2.24	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile	0.25	
02 90 50 00-0103	SF	Tear Out Batt Insulation	0.25	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board	0.43	
02 90 50 00-0105	SF	Apply Antimicrobial Agent	0.19	
02 90 50 00-0106	SF	HEPA Vacuuming	0.33	

02 90 50 00-0107 Emergency Clean-up Labor *(02 90 50)*

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

02 90 50 00-0108	HR	Cleaning And Emergency Clean Up - Skilled Tradesman	60.00	
02 90 50 00-0109	HR	Cleaning And Emergency Clean Up - Restoration / Document Laborer	37.88	
02 90 50 00-0110	HR	Cleaning And Emergency Clean Up - Restoration / Document Supervisor	70.25	
02 90 50 00-0111	HR	Cleaning And Emergency Clean Up - Restoration / Document Project Manager	97.38	
02 90 50 00-0112	HR	Cleaning And Emergency Clean Up - Assistant Project Manager	84.00	
02 90 50 00-0113	HR	Cleaning And Emergency Clean Up - Project Manager	103.75	
02 90 50 00-0114	HR	Cleaning And Emergency Clean Up - Project Director / Document Consultant / Account Manager	156.62	
02 90 50 00-0115	HR	Cleaning And Emergency Clean Up - Resource Coordinator	48.75	
02 90 50 00-0116	HR	Cleaning And Emergency Clean Up - Project Accountant	84.12	
02 90 50 00-0117	HR	Cleaning And Emergency Clean Up - Corrosion Technician	70.38	
02 90 50 00-0118	HR	Cleaning And Emergency Clean Up - Mold Remediation Labor	72.12	
02 90 50 00-0119	HR	Cleaning And Emergency Clean Up - Mold Remediation Supervisor	81.25	
02 90 50 00-0120	HR	Cleaning And Emergency Clean Up - Administrative	38.75	
02 90 50 00-0121	HR	Cleaning And Emergency Clean Up - Biohazard Technician	81.00	
02 90 50 00-0122	HR	Cleaning And Emergency Clean Up - Biohazard Supervisor	97.38	
02 90 50 00-0123	HR	Cleaning And Emergency Clean Up - Health And Safety Officer	75.62	
02 90 50 00-0124	HR	Cleaning And Emergency Clean Up - Resource And Logistics Coordinator	54.00	

02 90 50 00-0125 Emergency Clean-up Equipment *(02 90 50)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0126		General Emergency Clean-up Equipment *(02 90 50 00-0125)*		
02 90 50 00-0127	DAY	Air Compressor	47.25	
02 90 50 00-0128	DAY	Buffer - Floor	31.50	
02 90 50 00-0129	DAY	Carpet Cleaning Machine - Portable	78.75	
02 90 50 00-0130	DAY	Chain Saw	52.64	
02 90 50 00-0131	EA	Cleaning Kit With Mop, Broom And Bucket	57.88	
02 90 50 00-0132	DAY	Cut Off Saw	84.08	
02 90 50 00-0133	DAY	Dry Cleaning Unit - Portable	89.25	
02 90 50 00-0134	DAY	Extension Cords - 220 Volt	32.16	
02 90 50 00-0135	DAY	Extension Cords - 220 Volt Converter Box	19.29	
02 90 50 00-0136	DAY	Demolition Cart, 7 Yard	47.25	
02 90 50 00-0137	EA	Demolition Kit With Wheel Barrow, Shovel And Broom	96.46	
02 90 50 00-0138	DAY	Dry-Ice Blasting System	1,041.64	
02 90 50 00-0139	DAY	Fogger - Mist	26.25	
02 90 50 00-0140	DAY	Fogger - Electric Thermal	37.80	
02 90 50 00-0141	DAY	Fogger - Gas Power Thermal	104.82	
02 90 50 00-0142	JOB	Gang Box, Demo/Framing (One Time Per Job)	125.00	
02 90 50 00-0143	DAY	Hand Trucks/Dollies	15.43	
02 90 50 00-0144	DAY	Heat Gun - Shrinkwrap	80.25	
02 90 50 00-0145	DAY	HEPA Negative Air Machine Note: Includes all filters.	110.00	
02 90 50 00-0146	DAY	Ladder	21.87	
02 90 50 00-0147	DAY	Lights - Demo, Drop, Stand, String	18.90	
02 90 50 00-0148	DAY	Lights - Wobble	23.10	
02 90 50 00-0149	DAY	Moisture Meter	31.50	
02 90 50 00-0150	DAY	Nail Gun	57.88	
02 90 50 00-0151	DAY	Ozone Generator	131.25	
02 90 50 00-0152	DAY	PPE (Personal Protective Equipment) Mold Remediation Related	77.17	
02 90 50 00-0153	DAY	Portable Generator, Up To 7,500 Watts	105.00	
02 90 50 00-0154	DAY	Pressure Washer, Hot	157.50	
02 90 50 00-0155	DAY	Pressure Washer, Cold	105.00	
02 90 50 00-0156	DAY	Scaffolding - Per Section	83.60	
02 90 50 00-0157	DAY	Small Tools - Tool Box	32.16	
02 90 50 00-0158	DAY	Soda Blasting Equipment	1,033.62	
02 90 50 00-0159	DAY	Sprayer - Hudson	10.29	
02 90 50 00-0160	DAY	Sprayer - Industrial Airless	87.20	
02 90 50 00-0161	DAY	Storage Space (Per SF Per Day)	2.50	
02 90 50 00-0162	DAY	Submersible Pump	26.25	
02 90 50 00-0163	DAY	Trash Pump - 2" Gas Powered	148.73	
02 90 50 00-0164	DAY	Vehicle, Pick-up, SUV, Car	73.83	
02 90 50 00-0165	DAY	Vehicle, Van	120.38	
02 90 50 00-0166	DAY	Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage)	145.58	
02 90 50 00-0167	DAY	Trailer - Refrigerated 40' Storage	159.96	
02 90 50 00-0168	DAY	Trailer - Utility (Inclusive Of Mileage)	133.22	
02 90 50 00-0169	DAY	Truck Mount, Per Wand Extraction	600.80	
02 90 50 00-0170	DAY	Vacuum - Backpack	26.25	
02 90 50 00-0171	DAY	Vacuum - Shop Vacuum	26.25	
02 90 50 00-0172	DAY	Vacuum - Commercial	78.75	
02 90 50 00-0173	DAY	Vacuum - HEPA Industrial	89.25	
02 90 50 00-0174	DAY	Vacuum - Upright	17.66	
02 90 50 00-0175	DAY	Zip Walls (Per 2 Poles)	26.25	
02 90 50 00-0176	DAY	2 Way Radio	21.00	
02 90 50 00-0177		Technical/Electronics Restoration Equipment *(02 90 50 00-0125)*		
02 90 50 00-0178	DAY	Computer - Diagnostic	32.16	
02 90 50 00-0179	WK	Computer - Diagnostic	88.43	
02 90 50 00-0180	MO	Computer - Diagnostic	241.16	
02 90 50 00-0181	DAY	Convection Oven - Large	467.06	
02 90 50 00-0182	WK	Convection Oven - Large	1,284.40	
02 90 50 00-0183	MO	Convection Oven - Large	3,502.91	
02 90 50 00-0184	DAY	Convection Oven - Small	115.76	
02 90 50 00-0185	WK	Convection Oven - Small	318.33	
02 90 50 00-0186	MO	Convection Oven - Small	868.18	
02 90 50 00-0187	DAY	Convection Oven - Vacuum	666.61	
02 90 50 00-0188	WK	Convection Oven - Vacuum	1,833.18	
02 90 50 00-0189	MO	Convection Oven - Vacuum	4,999.58	
02 90 50 00-0190	DAY	Decontamination Booth	551.05	
02 90 50 00-0191	WK	Decontamination Booth	1,515.39	
02 90 50 00-0192	MO	Decontamination Booth	4,132.88	
02 90 50 00-0193	DAY	DI Water System	42.80	
02 90 50 00-0194	WK	DI Water System	117.70	
02 90 50 00-0195	MO	DI Water System	321.00	
02 90 50 00-0196	DAY	ESD Bench Workstation	26.22	
02 90 50 00-0197	WK	ESD Bench Workstation	72.09	
02 90 50 00-0198	MO	ESD Bench Workstation	196.61	
02 90 50 00-0199	DAY	Heater/Enclosure Control System	19.29	
02 90 50 00-0200	WK	Heater/Enclosure Control System	53.06	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0201	MO	Heater/Enclosure Control System	144.70	
02 90 50 00-0202	DAY	Hi-Tech Mobile Cart/Workstation	67.41	
02 90 50 00-0203	WK	Hi-Tech Mobile Cart/Workstation	185.38	
02 90 50 00-0204	MO	Hi-Tech Mobile Cart/Workstation	505.58	
02 90 50 00-0205	DAY	Micro-Blaster/Dust Collector	289.40	
02 90 50 00-0206	WK	Micro-Blaster/Dust Collector	795.84	
02 90 50 00-0207	MO	Micro-Blaster/Dust Collector	2,170.46	
02 90 50 00-0208	DAY	Mobile Laboratory	803.88	
02 90 50 00-0209	WK	Mobile Laboratory	2,210.66	
02 90 50 00-0210	MO	Mobile Laboratory	6,029.06	
02 90 50 00-0211	DAY	Nitrogen Enclosure Cabinet	15.43	
02 90 50 00-0212	WK	Nitrogen Enclosure Cabinet	42.44	
02 90 50 00-0213	MO	Nitrogen Enclosure Cabinet	115.76	
02 90 50 00-0214	DAY	Odell Cleaning Station	450.17	
02 90 50 00-0215	WK	Odell Cleaning Station	1,237.97	
02 90 50 00-0216	MO	Odell Cleaning Station	3,376.28	
02 90 50 00-0217	DAY	Parts Washer	32.16	
02 90 50 00-0218	WK	Parts Washer	88.43	
02 90 50 00-0219	MO	Parts Washer	241.16	
02 90 50 00-0220	DAY	Ultrasonic Cleaning System	200.62	
02 90 50 00-0221	WK	Ultrasonic Cleaning System	551.72	
02 90 50 00-0222	MO	Ultrasonic Cleaning System	1,504.69	
02 90 50 00-0223	DAY	Vacuum - HEPA Technical	107.00	
02 90 50 00-0224	WK	Vacuum - HEPA Technical	294.25	
02 90 50 00-0225	MO	Vacuum - HEPA Technical	802.50	

02 90 50 00-0226 Drying/Dehumidification Equipment *(02 90 50 00-0125)*

02 90 50 00-0227	DAY	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	131.25	
02 90 50 00-0228	WK	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	360.94	
02 90 50 00-0229	MO	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	984.38	
02 90 50 00-0230	DAY	2,200 CFM Centrifugal Air Mover	31.61	
02 90 50 00-0231	WK	2,200 CFM Centrifugal Air Mover	86.93	
02 90 50 00-0232	MO	2,200 CFM Centrifugal Air Mover	237.09	
02 90 50 00-0233	DAY	3,000 CFM Axial Air Mover	52.69	
02 90 50 00-0234	WK	3,000 CFM Axial Air Mover	144.89	
02 90 50 00-0235	MO	3,000 CFM Axial Air Mover	395.15	
02 90 50 00-0236	DAY	Injectidry System	162.75	
02 90 50 00-0237	WK	Injectidry System	447.56	
02 90 50 00-0238	MO	Injectidry System	1,220.62	
02 90 50 00-0239	DAY	1200 Drizair Refrigerant Dehumidifier	105.00	
02 90 50 00-0240	WK	1200 Drizair Refrigerant Dehumidifier	288.75	
02 90 50 00-0241	MO	1200 Drizair Refrigerant Dehumidifier	787.50	
02 90 50 00-0242	DAY	2000 Drizair Refrigerant Dehumidifier	160.78	
02 90 50 00-0243	WK	2000 Drizair Refrigerant Dehumidifier	442.13	
02 90 50 00-0244	MO	2000 Drizair Refrigerant Dehumidifier	1,205.81	
02 90 50 00-0245	DAY	2400 Drizair Refrigerant Dehumidifier	145.00	
02 90 50 00-0246	WK	2400 Drizair Refrigerant Dehumidifier	398.75	
02 90 50 00-0247	MO	2400 Drizair Refrigerant Dehumidifier	1,087.50	
02 90 50 00-0248	DAY	Phoenix 200 Refrigerant Dehumidifier	155.00	
02 90 50 00-0249	WK	Phoenix 200 Refrigerant Dehumidifier	426.25	
02 90 50 00-0250	MO	Phoenix 200 Refrigerant Dehumidifier	1,162.50	
02 90 50 00-0251	DAY	Phoenix 300 Refrigerant Dehumidifier	155.00	
02 90 50 00-0252	WK	Phoenix 300 Refrigerant Dehumidifier	426.25	
02 90 50 00-0253	MO	Phoenix 300 Refrigerant Dehumidifier	1,162.50	
02 90 50 00-0254	DAY	D-500 Desiccant Dehumidifier	175.00	
02 90 50 00-0255	WK	D-500 Desiccant Dehumidifier	481.25	
02 90 50 00-0256	MO	D-500 Desiccant Dehumidifier	1,312.50	
02 90 50 00-0257	DAY	D-750 Desiccant Dehumidifier	367.50	
02 90 50 00-0258	WK	D-750 Desiccant Dehumidifier	1,010.62	
02 90 50 00-0259	MO	D-750 Desiccant Dehumidifier	2,756.25	
02 90 50 00-0260	DAY	D-1000 Desiccant Dehumidifier	630.00	
02 90 50 00-0261	WK	D-1000 Desiccant Dehumidifier	1,732.50	
02 90 50 00-0262	MO	D-1000 Desiccant Dehumidifier	4,725.00	
02 90 50 00-0263	DAY	D-1500 Desiccant Dehumidifier	970.00	
02 90 50 00-0264	WK	D-1500 Desiccant Dehumidifier	2,667.50	
02 90 50 00-0265	MO	D-1500 Desiccant Dehumidifier	7,275.00	
02 90 50 00-0266	DAY	D-2000 Desiccant Dehumidifier	970.00	
02 90 50 00-0267	WK	D-2000 Desiccant Dehumidifier	2,667.50	
02 90 50 00-0268	MO	D-2000 Desiccant Dehumidifier	7,275.00	
02 90 50 00-0269	DAY	D-2250 Desiccant Dehumidifier	1,013.00	
02 90 50 00-0270	WK	D-2250 Desiccant Dehumidifier	2,785.75	
02 90 50 00-0271	MO	D-2250 Desiccant Dehumidifier	7,597.50	
02 90 50 00-0272	DAY	D-3000 Desiccant Dehumidifier	1,260.00	
02 90 50 00-0273	WK	D-3000 Desiccant Dehumidifier	3,465.00	
02 90 50 00-0274	MO	D-3000 Desiccant Dehumidifier	9,450.00	
02 90 50 00-0275	DAY	D-4500 Desiccant Dehumidifier	1,417.50	
02 90 50 00-0276	WK	D-4500 Desiccant Dehumidifier	3,898.12	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0277	MO	D-4500 Desiccant Dehumidifier	10,631.25	
02 90 50 00-0278	DAY	D-5000 Desiccant Dehumidifier	1,522.50	
02 90 50 00-0279	WK	D-5000 Desiccant Dehumidifier	4,186.88	
02 90 50 00-0280	MO	D-5000 Desiccant Dehumidifier	11,418.75	
02 90 50 00-0281	DAY	D-9000 Desiccant Dehumidifier	2,000.00	
02 90 50 00-0282	WK	D-9000 Desiccant Dehumidifier	5,500.00	
02 90 50 00-0283	MO	D-9000 Desiccant Dehumidifier	15,000.00	
02 90 50 00-0284	DAY	D-10500 Desiccant Dehumidifier	2,100.00	
02 90 50 00-0285	WK	D-10500 Desiccant Dehumidifier	5,775.00	
02 90 50 00-0286	MO	D-10500 Desiccant Dehumidifier	15,750.00	
02 90 50 00-0287	DAY	DX Unit - Heating / Air Conditioning (3.5 Ton)	341.25	
02 90 50 00-0288	WK	DX Unit - Heating / Air Conditioning (3.5 Ton)	938.44	
02 90 50 00-0289	MO	DX Unit - Heating / Air Conditioning (3.5 Ton)	2,559.38	
02 90 50 00-0290	DAY	DX Unit - Heating / Air Conditioning (5 Ton)	472.50	
02 90 50 00-0291	WK	DX Unit - Heating / Air Conditioning (5 Ton)	1,299.38	
02 90 50 00-0292	MO	DX Unit - Heating / Air Conditioning (5 Ton)	3,543.75	
02 90 50 00-0293	DAY	DX Unit - Heating / Air Conditioning (10 Ton)	630.00	
02 90 50 00-0294	WK	DX Unit - Heating / Air Conditioning (10 Ton)	1,732.50	
02 90 50 00-0295	MO	DX Unit - Heating / Air Conditioning (10 Ton)	4,725.00	
02 90 50 00-0296	DAY	DX Unit - Heating / Air Conditioning (25 Ton)	840.00	
02 90 50 00-0297	WK	DX Unit - Heating / Air Conditioning (25 Ton)	2,310.00	
02 90 50 00-0298	MO	DX Unit - Heating / Air Conditioning (25 Ton)	6,300.00	
02 90 50 00-0299	DAY	DX Unit - Heating / Air Conditioning (50 Ton)	1,417.50	
02 90 50 00-0300	WK	DX Unit - Heating / Air Conditioning (50 Ton)	3,898.12	
02 90 50 00-0301	MO	DX Unit - Heating / Air Conditioning (50 Ton)	10,631.25	
02 90 50 00-0302	DAY	DX Unit - Heating / Air Conditioning (80 Ton)	1,575.00	
02 90 50 00-0303	WK	DX Unit - Heating / Air Conditioning (80 Ton)	4,331.25	
02 90 50 00-0304	MO	DX Unit - Heating / Air Conditioning (80 Ton)	11,812.50	
02 90 50 00-0305	DAY	Flex Duct - 25'	21.00	
02 90 50 00-0306	WK	Flex Duct - 25'	57.75	
02 90 50 00-0307	MO	Flex Duct - 25'	157.50	
02 90 50 00-0308	DAY	Hygro Thermograph	32.16	
02 90 50 00-0309	WK	Hygro Thermograph	88.43	
02 90 50 00-0310	MO	Hygro Thermograph	241.16	
02 90 50 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	5,095.39	
02 90 50 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	14,012.32	
02 90 50 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	38,215.41	

02 90 50 00-0314 Power Equipment *(02 90 50 00-0125)*

02 90 50 00-0315	WK	Generator, Up to 65 KVA	650.00	
02 90 50 00-0316	WK	Generator, Up to 125 KVA	1,100.00	
02 90 50 00-0317	WK	Generator, Up to 250 KVA	1,106.43	
02 90 50 00-0318	WK	Generator, Up to 375 KVA	1,850.00	
02 90 50 00-0319	WK	Generator, Up to 440 KVA	2,500.00	
02 90 50 00-0320	WK	Generator, Up to 625 KVA	3,882.20	
02 90 50 00-0321	WK	Generator, Up to 800 KVA	3,850.00	
02 90 50 00-0322	WK	Generator, Up to 1,000 KVA	5,150.00	
02 90 50 00-0323	WK	Generator, Up to 1,500 KVA	7,750.00	
02 90 50 00-0324	EA	Generator Cable/Pigtails (Per Section)	16.80	
02 90 50 00-0325	EA	Sub-Distribution Panel (Spider Box)	80.50	
02 90 50 00-0326	EA	Electrical Distribution Panel	200.62	
02 90 50 00-0327	EA	Quad Box Strings (25' Sections)	30.25	
02 90 50 00-0328	EA	50' Power Cord For Spider Box	28.00	
02 90 50 00-0329	EA	Pig Tails (Per Each)	3.22	

02 90 50 00-0330 Freight Charges *(02 90 50 00-0125)*

02 90 50 00-0331	MI	Freight Up To 1 Ton Pick Up Truck	1.61	
02 90 50 00-0332	MI	Freight >1 Ton Pick Up Truck	2.89	
02 90 50 00-0333	MI	Freight 16' Or 24' Box Truck	2.89	
02 90 50 00-0334	MI	Freight Tractor Trailer	4.18	

02 90 50 00-0335 Emergency Clean-up Personal Protection Equipment *(02 90 50)*

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

02 90 50 00-0336	EA	Tyvek Suit	8.69	
02 90 50 00-0337	EA	Cartridge - Respirator	30.36	
02 90 50 00-0338	BOX	Dust Mask	33.85	
02 90 50 00-0339	PR	Gloves - Cotton	2.41	
02 90 50 00-0340	BOX	Gloves - Latex	15.75	
02 90 50 00-0341	PR	Gloves - Leather	7.88	
02 90 50 00-0342	EA	Gloves - Rubber (Heavy Duty)	13.45	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0343	PR	Polycarbonate Lens Safety Goggles	9.52	
02 90 50 00-0344	EA	Respirator - With One Pair Cartridges	79.78	
02 90 50 00-0345	PR	Safety Glasses	4.17	
02 90 50 00-0346	EA	Safety Harness (Per Person/Day)	5.25	

02 90 50 00-0347 Emergency Clean-up Expendables *(02 90 50)*

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

02 90 50 00-0348 General Materials *(02 90 50 00-0347)*

02 90 50 00-0349	GAL	Adhesive Remover	78.75	
02 90 50 00-0350	GAL	Bio-HS	27.41	
02 90 50 00-0351	GAL	Biocide	34.97	
02 90 50 00-0352	EA	Box - Book	4.15	
02 90 50 00-0353	EA	Box - Large	6.30	
02 90 50 00-0354	GAL	Bleach	8.47	
02 90 50 00-0355	EA	Brush - Stainless - Small	5.35	
02 90 50 00-0356	EA	Buckets - 2 ½ Gal	6.79	
02 90 50 00-0357	EA	Buckets - 5 Gallon	10.29	
02 90 50 00-0358	GAL	Carpet Defoamer	26.47	
02 90 50 00-0359	GAL	Carpet Pre-treat	19.80	
02 90 50 00-0360	GAL	Carpet Spotter	33.17	
02 90 50 00-0361	GAL	Carpet/Upholstery Cleaner	26.75	
02 90 50 00-0362	ROL	Carpet Masking/Shield	74.21	
02 90 50 00-0363	EA	Chem Sponge	3.10	
02 90 50 00-0364	GAL	Clear Seal	105.88	
02 90 50 00-0365	GAL	Coil Cleaner	51.09	
02 90 50 00-0366	EA	Comfort Masks, Per Box 50	37.55	
02 90 50 00-0367	EA	Coverall - Bio-Hazard	16.60	
02 90 50 00-0368	EA	Decon Chamber	215.25	
02 90 50 00-0369	GAL	Degreaser, All Purpose	34.65	
02 90 50 00-0370	GAL	De-Foamer Liquid	45.54	
02 90 50 00-0371	EA	Deodorization Membrane	92.17	
02 90 50 00-0372	GAL	Deodorizer, 9D9	136.13	
02 90 50 00-0373	LB	Deodorizing Gel	31.98	
02 90 50 00-0374	GAL	Deodorizing Liquid	48.88	
02 90 50 00-0375	PAIL	Deodorizing Block	8.04	
02 90 50 00-0376	GAL	Disinfectant/Antimicrobial	82.98	
02 90 50 00-0377	GAL	Disinfectant, BruClean	25.20	
02 90 50 00-0378	GAL	Dryclene	38.41	
02 90 50 00-0379	GAL	Duct Sealant Spray	57.88	
02 90 50 00-0380	GAL	Duct Sealant, Antifungal	83.60	
02 90 50 00-0381	GAL	Microbial Encapsulant (Fosters 20 - 40)	122.76	
02 90 50 00-0382	PR	Ear Plugs	0.52	
02 90 50 00-0383	GAL	Encapsulant	87.74	
02 90 50 00-0384	GAL	Fiberlocke - Aftershock	77.04	
02 90 50 00-0385	GAL	Fiberlocke - IAQ 2500	99.27	
02 90 50 00-0386	GAL	Fiberlocke - IAS 6000	102.10	
02 90 50 00-0387	ROL	Filter Material	193.05	
02 90 50 00-0388	EA	Filter, Blue Paper Collection Bag	5.20	
02 90 50 00-0389	EA	Filter, CVAC For HEPA Vacuum	412.90	
02 90 50 00-0390	EA	Filter, Pre-Filter For Negative Air Machine	1.98	
02 90 50 00-0391	EA	Filter, Pleated For Negative Air Machine	8.82	
02 90 50 00-0392	EA	Filter, Charcoal For Negative Air Machine	31.40	
02 90 50 00-0393	EA	Filter, HEPA For Negative Air Machine	298.64	
02 90 50 00-0394	EA	Filter, Pleated For Dehumidifiers	7.88	
02 90 50 00-0395	GAL	Floor Stripper	18.01	
02 90 50 00-0396	GAL	Floor Wax	25.72	
02 90 50 00-0397	GAL	Fogger (Thermal)	144.38	
02 90 50 00-0398	BOX	Furniture Blocks	116.29	
02 90 50 00-0399	EA	Furniture Polish, Per Can	15.67	
02 90 50 00-0400	GAL	Glass Cleaner	10.45	
02 90 50 00-0401	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles	15.69	
02 90 50 00-0402	EA	Goof Off Spray, 12 Oz	12.50	
02 90 50 00-0403	EA	Halogen Light Bulbs	18.37	
02 90 50 00-0404	QT	Hand Sanitizer	9.08	
02 90 50 00-0405	EA	Hard Hats	7.48	
02 90 50 00-0406	BOX	Hog Rings, Box Of 2,500	15.23	
02 90 50 00-0407	GAL	HVAC Coal Cleaner	51.09	
02 90 50 00-0408	BOX	Inventory Tag, Box Of 1,000	107.13	
02 90 50 00-0409	EA	Knives - Utility	14.15	
02 90 50 00-0410	ROL	Lay Flat Tubing, 13" (250' Roll)	91.90	
02 90 50 00-0411	ROL	Lay Flat Tubing, 20" (250' Roll)	97.02	
02 90 50 00-0412	ROL	Lay Flat Tubing, 29" (250' Roll)	193.17	
02 90 50 00-0413	ROL	Lay Flat Tubing, 39" (250' Roll)	279.21	
02 90 50 00-0414	GAL	Lemon Oil	42.00	
02 90 50 00-0415	GAL	LPS 1/Mecca Lube	46.74	
02 90 50 00-0416	GAL	LPS 2	49.47	
02 90 50 00-0417	GAL	LPS Contact Cleaner	49.24	
02 90 50 00-0418	GAL	Lubricant, Preserver (Light)	111.83	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0419	GAL	Lubricant, Preserver (Heavy)	25.72	
02 90 50 00-0420	GAL	Machinery Cleaning Solvent	201.08	
02 90 50 00-0421	GAL	Metal Polishing Paste	20.70	
02 90 50 00-0422	GAL	Microban	51.99	
02 90 50 00-0423	GAL	Milgo	63.81	
02 90 50 00-0424	EA	Mop Heads	7.46	
02 90 50 00-0425	EA	Nylon Scouring Pads	1.41	
02 90 50 00-0426	GAL	Odor Neutralizer	33.17	
02 90 50 00-0427	EA	Packing Paper, 25 LB Bundle	55.71	
02 90 50 00-0428	EA	Paint Brushes	6.43	
02 90 50 00-0429	ROL	Paper, Corrugated/Craft	129.92	
02 90 50 00-0430	EA	Putty Knives	5.83	
02 90 50 00-0431	ROL	Red Resin Paper, 200' Roll	28.35	
02 90 50 00-0432	GAL	Reodorant	109.33	
02 90 50 00-0433	EA	Respirator - N95	3.74	
02 90 50 00-0434	EA	Respirator - N95 With valve	5.81	
02 90 50 00-0435	PR	Respirator Cartridges - 3M	39.00	
02 90 50 00-0436	PR	Respirator Cartridges -P100	39.00	
02 90 50 00-0437	EA	Respirator Cleaning Wipes, Per Box 100	31.20	
02 90 50 00-0438	GAL	Restoracide	51.28	
02 90 50 00-0439	GAL	Rust Remover	73.50	
02 90 50 00-0440	EA	Saltesmo Test Samples	6.83	
02 90 50 00-0441	EA	Sand Bag, Excluding Sand	1.79	
02 90 50 00-0442	EA	Scotch-Brite 7447, Per Box 50	22.31	
02 90 50 00-0443	EA	Sm. Scrub Brushes	12.30	
02 90 50 00-0444	GAL	Soot Sealant, Clear	85.24	
02 90 50 00-0445	GAL	Soot Sealant, Pigmented	229.88	
02 90 50 00-0446	ROL	Shrinkwrap Plastic	52.92	
02 90 50 00-0447	EA	Sponges - Dry	4.28	
02 90 50 00-0448	EA	Spray Adhesive, Per Can	5.52	
02 90 50 00-0449	EA	Spray Bot./Trigger	4.96	
02 90 50 00-0450	GAL	Stain Remover	29.96	
02 90 50 00-0451	GAL	Stainless Steel Cleaner	10.40	
02 90 50 00-0452	EA	Stainless Steel Polish, Per Can	13.65	
02 90 50 00-0453	LB	Sweeping Compound	0.00	
02 90 50 00-0454	ROL	Tape - Duct	10.80	
02 90 50 00-0455	ROL	Tape - Environmental (Teal)	10.16	
02 90 50 00-0456	ROL	Tape - HVAC (Aluminum)	28.30	
02 90 50 00-0457	ROL	Tape - Blue Masking (Painters Tape)	14.46	
02 90 50 00-0458	ROL	Tape - Poly Box	4.46	
02 90 50 00-0459	LB	Terry Towels	6.62	
02 90 50 00-0460	GAL	Thermal Fog	67.41	
02 90 50 00-0461	ROL	Trash Bags - Lawn And Leaf	33.60	
02 90 50 00-0462	ROL	Trash Bags - 6 Mil Heavy Duty (50 Count)	134.00	
02 90 50 00-0463	EA	Trisodium Phosphaste, 20 LB Pail	46.93	
02 90 50 00-0464	EA	Vacuum Bags - Backpack	1.58	
02 90 50 00-0465	EA	Vacuum Bags - Upright	2.11	
02 90 50 00-0466	GAL	Vinyl And Leather Cleaner	26.75	
02 90 50 00-0467	ROL	Visqueen 1 Mil	43.53	
02 90 50 00-0468	ROL	Visqueen 4 Mil	118.20	
02 90 50 00-0469	ROL	Visqueen 6 Mil	161.28	
02 90 50 00-0470	LB	Wipes, Cotton Cloth	4.57	
02 90 50 00-0471	ROL	12" x 750', Wrap, Bubble / Anti-Static	132.75	
02 90 50 00-0472	EA	Wyp-Alls, Case, 160 Wipes	13.38	
02 90 50 00-0473	EA	Zip Wall Zippers	20.15	

02 90 50 00-0474 Technical/Electronics Restoration Materials *(02 90 50 00-0347)*

02 90 50 00-0475	EA	Brush - Brass	4.82	
02 90 50 00-0476	EA	Brush - Natural Bristle 1"	1.54	
02 90 50 00-0477	EA	Brush - Natural Bristle 1/2"	1.29	
02 90 50 00-0478	EA	Brush - Natural Bristle 1/4"	1.09	
02 90 50 00-0479	EA	Brush - Parts	6.69	
02 90 50 00-0480	EA	Brush - Plastic	3.47	
02 90 50 00-0481	EA	Brush - Wire Grout	7.49	
02 90 50 00-0482	EA	Brushing Tool	14.44	
02 90 50 00-0483	EA	Cleaning Swabs, Cotton	0.32	
02 90 50 00-0484	EA	Cleaning Swabs, Foam Tip	0.39	
02 90 50 00-0485	EA	Contact Restorer, Per Can	31.19	
02 90 50 00-0486	EA	Contact Spray, Per Can	21.22	
02 90 50 00-0487	UNIT	Corrosion Inhibitor Emitter - 1 CF	3.09	
02 90 50 00-0488	UNIT	Corrosion Inhibitor Emitter - 5 CF	7.07	
02 90 50 00-0489	UNIT	Corrosion Inhibitor Emitter - 10 CF	12.22	
02 90 50 00-0490	LB	Cotton Cleaning Cloths	19.29	
02 90 50 00-0491	EA	12" x 17" Dust Cloths	0.29	
02 90 50 00-0492	EA	24" x 24" Dust Cloths	0.79	
02 90 50 00-0493	EA	Deoxidizing Agent, Per Can	15.11	
02 90 50 00-0494	GAL	Electronic Grade Detergent	32.10	
02 90 50 00-0495	SHT	Inventory Labels	0.13	
02 90 50 00-0496	GAL	Isopropyl Alcohol	85.06	
02 90 50 00-0497	GAL	Lubrication/Penetrating Oil, Per Can	124.04	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0498	GAL	PC Board Detergent	88.10	
02 90 50 00-0499	GAL	Rust Inhibitor, Regular Duty	138.60	
02 90 50 00-0500	GAL	Rust Inhibitor - Moderate Duty	139.64	
02 90 50 00-0501	GAL	Rust Inhibitor - Severe Duty	149.26	
02 90 50 00-0502	LB	Wipes - Lint Free Cloths	5.07	
02 90 50 00-0503	EA	Wire Marker Card	2.25	
02 90 50 00-0504	EA	Steel Wool, 16 Pad Sleeve	1.13	
02 90 50 00-0505		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0506	SF	Polyethylene Tarp On Roof	0.22	
02 90 50 00-0507	SF	Temporary Plywood On Roof	1.43	
02 90 50 00-0508	SF	Temporary Plywood On Wall Or Windows	1.79	
02 90 50 00-0509		**Minimum Charges** *(02 90 50)*		
02 90 50 00-0510	EA	Minimum For Cleaning	770.89	
02 90 50 00-0511	EA	Minimum For Water Extraction	165.85	
02 90 50 00-0512	EA	Minimum For Carpet Cleaning	154.34	
02 90 50 00-0513		**Document Restoration** *(02 90 50)*		
02 90 50 00-0514	EA	Book Rebinding, Each	79.71	
02 90 50 00-0515	EA	Book Recasing, Each	39.85	
02 90 50 00-0516	EA	Boxes-MCS, 1.2 CF	4.86	
02 90 50 00-0517	EA	Boxes-MCS, 2.0 CF	5.36	
02 90 50 00-0518	EA	Boxes Bankers	12.73	
02 90 50 00-0519	EA	Boxes Standard Packout	3.11	
02 90 50 00-0520	EA	Boxes X Ray	7.97	
02 90 50 00-0521	EA	CD Scanning and Diagnostics, Each	7.97	
02 90 50 00-0522	EA	Cleaning Antique Books, Each	239.10	
02 90 50 00-0523	EA	Cleaning Catheter Roll, Per Roll	31.87	
02 90 50 00-0524	EA	Cleaning CD And DVD, Per Disc	3.20	
02 90 50 00-0525	EA	Cleaning Level 1 - Blue Prints, Each	2.24	
02 90 50 00-0526	CF	Cleaning Level 1 - Document Per CF	69.42	
02 90 50 00-0527	EA	Cleaning Level 1 - Linen, Each	2.24	
02 90 50 00-0528	EA	Cleaning Level 1 - Mylar, Each	2.24	
02 90 50 00-0529	EA	Cleaning Level 2 - Blue Print, Each	2.78	
02 90 50 00-0530	CF	Cleaning Level 2 - Document Per CF	104.04	
02 90 50 00-0531	EA	Cleaning Level 2 - Linen, Each	2.78	
02 90 50 00-0532	EA	Cleaning Level 2 - Mylar, Each	2.78	
02 90 50 00-0533	EA	Cleaning Level 3 - Blue Prints, Each	3.95	
02 90 50 00-0534	CF	Cleaning Level 3 - Document Per CF	138.83	
02 90 50 00-0535	EA	Cleaning Level 3 - Linen, Each	3.95	
02 90 50 00-0536	EA	Cleaning Level 3 - Mylar, Each	3.95	
02 90 50 00-0537	EA	Cleaning Level 4 - All Fire-Blue Print, Each	5.53	
02 90 50 00-0538	EA	Cleaning Level 4 - All Fire-Linen, Each	5.53	
02 90 50 00-0539	EA	Cleaning Level 4 - All Fire-Mylar, Each	5.53	
02 90 50 00-0540	CF	Cleaning Level 4 - Light Fire-Document Per CF	173.50	
02 90 50 00-0541	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each	6.13	
02 90 50 00-0542	CF	Cleaning Level 5 - Severe Fire-Document Per CF	260.33	
02 90 50 00-0543	EA	Cleaning Level 5 - Severe Fire-Linen, Each	6.13	
02 90 50 00-0544	EA	Cleaning Level 5 - Severe Fire-Mylar, Each	6.13	
02 90 50 00-0545	EA	Cleaning Microfiche Sheets, Each	2.11	
02 90 50 00-0546	EA	Cleaning Microfiche Strips, Each	0.49	
02 90 50 00-0547	EA	Cleaning Microfilm Rolls (In House), Per Roll	79.71	
02 90 50 00-0548	EA	Cleaning Microfilm Rolls (Outside), Per Roll	111.59	
02 90 50 00-0549	EA	Cleaning Photographs Negatives, Per Negative	2.11	
02 90 50 00-0550	EA	Cleaning Photographs, Each	0.49	
02 90 50 00-0551	EA	Cleaning Record Albums, Each	3.20	
02 90 50 00-0552	EA	Cleaning VHS And Beta Tapes-In House, Each	7.97	
02 90 50 00-0553	EA	Cleaning VHS And Beta Tapes-Outside, Each	31.87	
02 90 50 00-0554	EA	Cleaning X Ray 1-1000, Per Film	2.88	
02 90 50 00-0555	EA	Cleaning X Ray 1K-5K, Per Film	2.46	
02 90 50 00-0556	EA	Cleaning X Ray 5K-Up, Per Film	1.93	
02 90 50 00-0557	EA	Copying Clean Water, Per Page	0.29	
02 90 50 00-0558	EA	Copying Greywater Fire, Per Page	0.86	
02 90 50 00-0559	CF	Deodorization, Vapor Tech	5.31	
02 90 50 00-0560	CF	Disinfectant-Fogging	11.18	
02 90 50 00-0561	EA	Document Disposal In House No Shredding	41.26	
02 90 50 00-0562	EA	Document Disposal In House With Shredding	11.26	
02 90 50 00-0563	CF	Up To 150 CF, Drying-MCS Center	143.46	
02 90 50 00-0564	CF	>150 To 500 CF, Drying-MCS Center	111.59	
02 90 50 00-0565	CF	>500 CF, Drying-MCS Center	95.64	
02 90 50 00-0566	CF	>50 To 150 CF, Drying-MCS Center	127.53	
02 90 50 00-0567	CF	Up To 500 CF, Drying-Onsite	239.10	
02 90 50 00-0568	CF	>500 CF, Drying-Onsite	146.68	
02 90 50 00-0569	EA	Drying Antique Books, Each	31.87	
02 90 50 00-0570	EA	Drying Blue Prints, Each	3.99	
02 90 50 00-0571	EA	DVD Scanning And Diagnostics, Each	7.97	
02 90 50 00-0572	EA	Freeze Drying (In House)	70.00	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0573	EA	Freeze Drying (Outside)	60.00	
02 90 50 00-0574	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge)	1,650.00	
02 90 50 00-0575	CF	>48 CF, Irradiation - Gamma (Per CF Charge)	15.00	
02 90 50 00-0576	EA	Minimal Drying Jobs	695.00	
02 90 50 00-0577	EA	Monthly Storage	133.75	
02 90 50 00-0578	EA	Mylar Prints	7.97	
02 90 50 00-0579	CF	Ozoning	4.77	
02 90 50 00-0580	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month	6.04	
02 90 50 00-0581	MO	Stabilization Freezer Storage, Per Page-Per Month	0.08	
02 90 50 00-0582	EA	Wood Pallets, Each	16.79	

END OF SECTION 02

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance Of Concrete *(03)*

03 01 30 Maintenance Of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning Of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*
Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot Blasting	1.96
		For Up To 100, Add	*2.40*
		For >100 To 250, Add	*0.60*
		For >250 To 500, Add	*0.30*
		For >5,000 To 10,000, Deduct	*-0.06*
		For >10,000, Deduct	*-0.12*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot Blasting	3.14
		For Up To 100, Add	*4.76*
		For >100 To 250, Add	*1.19*
		For >250 To 500, Add	*0.60*
		For >5,000 To 10,000, Deduct	*-0.12*
		For >10,000, Deduct	*-0.24*

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*
See CSI section 09 91 43 00-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors	5.45
03 01 30 71-0005	SF	1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors	18.43
03 01 30 71-0006	SF	White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors	0.50

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	8.09
03 01 30 71-0009	SF	1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	24.45
03 01 30 71-0010	SF	1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	27.73
03 01 30 71-0011	SF	1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.99
03 01 30 71-0012	SF	1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads Note: Rapid Set - Wunderfixx	10.44

03 01 30 71-0013 Bridge Deck Treatment *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Sweep Bridge Deck	0.01
03 01 30 71-0015	SF	Clean Bridge Deck	0.02
03 01 30 71-0016	SF	Treat Bridge Deck With Methacrylate Resin Sealant	1.41

03 01 30 71-0017 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0018 Concrete Patching *(03 01 30 71-0017)*

03 01 30 71-0019 Walls *(03 01 30 71-0018)*

03 01 30 71-0020	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	106.06
		For Up To 10, Add	*35.01*
		For >10 To 25, Add	*21.01*
		For >25 To 50, Add	*14.00*
		For >50 To 75, Add	*7.00*
03 01 30 71-0021	BAG	Sika Grout 212, 50 LB Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	74.39
		For Up To 10, Add	*22.18*
		For >10 To 25, Add	*13.31*
		For >25 To 50, Add	*8.87*
		For >50 To 75, Add	*4.44*
03 01 30 71-0022	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	28.75
03 01 30 71-0023	BAG	Pea Gravel	20.33

03 01 30 71-0024 Crack Repair For Concrete *(03 01 30 71-0001)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0025		Non Structural Crack Repair For Concrete *(03 01 30 71-0024)*		
03 01 30 71-0026		Surface Applied, Non Structural Crack Repair For Concrete *(03 01 30 71-0025)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0027	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	4.86	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0028	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.33	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0029	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	4.94	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.49	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0031	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	5.22	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0032	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.04	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0033	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	5.42	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0034	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.45	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0035		Pressure Injected, Non Structural Crack Repair For Concrete *(03 01 30 71-0025)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0036	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	20.51	
		For Cracks Accessible From Both Sides, Add	*4.16*	
03 01 30 71-0037		Structural Crack Repair For Concrete *(03 01 30 71-0024)*		
03 01 30 71-0038		Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0037)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	5.47	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.55	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0041	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	5.66	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0042	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	7.93	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0043	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	6.26	
		For V-Grooving Crack With Grinder, Add	*3.91*	
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.14	
		For V-Grooving Crack With Grinder, Add	*3.82*	
03 01 30 71-0045		Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0037)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	18.34	
		For Cracks Accessible From Both Sides, Add	*4.16*	
03 01 30 71-0047	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	18.53	
		For Cracks Accessible From Both Sides, Add	*4.16*	
03 01 30 71-0048		Pool Deck Texture Repair *(03 01 30 71-0001)*		
03 01 30 71-0049	SF	Pool Deck Texture Repair Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.	11.73	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0050		**Carbon Fiber Strengthening System** *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0051	SF	Carbon Fiber Strengthening System Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	60.34	
03 01 30 71-0052	SF	Carbon Fiber Strengthening System Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	52.87	
03 01 30 71-0053	SF	Carbon Fiber Strengthening System Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	46.33	
03 01 30 71-0054		**Corrosive Inhibitor** *(03 01 30 71)*		
03 01 30 71-0055	SF	Corrosive Inhibitor	3.30	

03 05 Common Work Results For Concrete *(03)*

03 05 00 00-0001 Concrete Admixtures *(03 05)*

03 05 00 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.69	
03 05 00 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.56	
03 05 00 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	3.98	
03 05 00 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	7.95	
03 05 00 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	7.10	
03 05 00 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	14.20	
03 05 00 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	3.07	
03 05 00 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	4.26	
03 05 00 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.52	
03 05 00 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.38	
03 05 00 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	6.82	
03 05 00 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	9.09	
03 05 00 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	21.51	
03 05 00 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	86.11	
03 05 00 00-0016	CY	Corrosion Inhibiting Concrete Admixture	17.04	
03 05 00 00-0017	CY	Winter Service Or Heat, Concrete Add	3.98	
03 05 00 00-0018	CY	Chilled Water, Concrete Add	3.98	
03 05 00 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	23.01	
03 05 00 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	38.34	
03 05 00 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	73.62	
03 05 00 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	102.25	

03 10 Concrete Forming And Accessories *(03)*

03 11 Concrete Forming *(03 10)*

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

Note: Per square foot of formwork.

03 11 13 00-0001		**Wood Formwork** *(03 11 13)* Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002		**Foundation Wood Formwork** *(03 11 13 00-0001)* Note: For foundation work below or at grade.		
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	6.68	
		For <1,000, Add		*1.24*
		For Foundations >8' Below Grade, Add		*1.19*
		For Curved Formwork, Add		*2.39*
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	7.95	
		For <1,000, Add		*1.49*
		For Foundations >8' Below Grade, Add		*1.44*
		For Curved Formwork, Add		*2.88*
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	9.17	
		For <1,000, Add		*1.74*
		For Foundations >8' Below Grade, Add		*1.70*
		For Curved Formwork, Add		*3.40*
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	7.67	
		For <1,000, Add		*1.44*
		For Foundations >8' Below Grade, Add		*1.40*
		For Curved Formwork, Add		*2.80*
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	10.89	
		For <1,000, Add		*2.04*
		For Foundations >8' Below Grade, Add		*1.98*
		For Curved Formwork, Add		*3.95*
03 11 13 00-0008		**Slab Edge And Block-Out Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	5.14	
		For Foundations >8' Below Grade, Add		*0.95*
		For Curved Formwork, Add		*1.90*
		For Up To 250, Add		*0.98*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	7.39	
		For Foundations >8' Below Grade, Add	*1.33*	
		For Curved Formwork, Add	*2.66*	
		For Up To 250, Add	*1.38*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	9.48	
		For Foundations >8' Below Grade, Add	*1.72*	
		For Curved Formwork, Add	*3.44*	
		For <1,000, Add	*1.78*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	39.92	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	58.30	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	73.08	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	104.49	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	149.82	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	197.63	

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	12.16	
		For Curved Formwork, Add	*4.46*	
		For <1,000, Add	*2.30*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	14.40	
		For Curved Formwork, Add	*5.29*	
		For <1,000, Add	*2.72*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	15.71	
		For Curved Formwork, Add	*5.79*	
		For <1,000, Add	*2.98*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	10.07	
		For Curved Formwork, Add	*3.71*	
		For <1,000, Add	*1.91*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	9.29	
		For <1,000, Add	*1.71*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	5.49	
		For <1,000, Add	*1.06*	
		For Foundations >8' Below Grade, Add	*1.04*	
		For Curved Formwork, Add	*2.09*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	6.16	
		For <1,000, Add	*1.19*	
		For Foundations >8' Below Grade, Add	*1.18*	
		For Curved Formwork, Add	*2.35*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	6.79	
		For <1,000, Add	*1.31*	
		For Foundations >8' Below Grade, Add	*1.29*	
		For Curved Formwork, Add	*2.58*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	5.72	
		For <1,000, Add	*1.10*	
		For Foundations >8' Below Grade, Add	*1.08*	
		For Curved Formwork, Add	*2.17*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	8.91	
		Note: Excludes footing.		
		For <1,000, Add	*1.73*	
		For Foundations >8' Below Grade, Add	*1.71*	
		For Curved Formwork, Add	*3.41*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	4.30	
		For Foundations >8' Below Grade, Add	*0.85*	
		For Curved Formwork, Add	*1.70*	
		For <250, Add	*0.85*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	5.36	
		For Foundations >8' Below Grade, Add	*1.06*	
		For Curved Formwork, Add	*2.11*	
		For <250, Add	*1.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	5.93	
		For Foundations >8' Below Grade, Add	*1.17*	
		For Curved Formwork, Add	*2.34*	
		For <1,000, Add	*1.17*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	33.08	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	39.70	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	46.34	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	55.51	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	66.72	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	79.88	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	102.31	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	125.81	

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	25.13	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	28.53	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	33.37	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	40.04	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	48.02	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	55.54	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	69.18	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	83.37	

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	5.15	
		For Curved Formwork, Add	*1.91*	
		For <1,000, Add	*0.98*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	6.22	
		For Curved Formwork, Add	*2.30*	
		For <1,000, Add	*1.18*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	5.14	
		For Curved Formwork, Add	*1.78*	
		For <1,000, Add	*0.94*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	3.78	
		For Curved Formwork, Add	*1.39*	
		For <1,000, Add	*0.72*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	6.77	
		For <1,000, Add	*1.10*	

03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	15.17	
		For Plastic Lined, Add	*0.48*	
		For Columns >12' In Length, Add	*1.52*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	15.97	
		For Plastic Lined, Add	*0.56*	
		For Columns >12' In Length, Add	*1.60*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	17.60	
		For Plastic Lined, Add	*0.65*	
		For Columns >12' In Length, Add	*1.76*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	20.65	
		For Plastic Lined, Add	*0.93*	
		For Columns >12' In Length, Add	*2.07*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	23.20	
		For Plastic Lined, Add	*1.26*	
		For Columns >12' In Length, Add	*2.32*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	25.00	
		For Plastic Lined, Add	*1.59*	
		For Columns >12' In Length, Add	*2.50*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	26.22	
		For Plastic Lined, Add	*1.73*	
		For Columns >12' In Length, Add	*2.62*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	28.40	
		For Plastic Lined, Add	*2.16*	
		For Columns >12' In Length, Add	*2.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	30.96	
		For Plastic Lined, Add	*2.60*	
		For Columns >12' In Length, Add	*3.10*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	33.50	
		For Plastic Lined, Add	*3.05*	
		For Columns >12' In Length, Add	*3.35*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	34.85	
		For Plastic Lined, Add	*3.33*	
		For Columns >12' In Length, Add	*3.49*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	36.90	
		For Plastic Lined, Add	*3.82*	
		For Columns >12' In Length, Add	*3.69*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	39.10	
		For Plastic Lined, Add	*4.35*	
		For Columns >12' In Length, Add	*3.91*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	46.87	
		For Plastic Lined, Add	*6.22*	
		For Columns >12' In Length, Add	*4.69*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	62.47	
		For Plastic Lined, Add	*10.57*	
		For Columns >12' In Length, Add	*6.25*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	73.74	
		For Plastic Lined, Add	*13.62*	
		For Columns >12' In Length, Add	*7.37*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	119.69	
		For Plastic Lined, Add	*26.87*	
		For Columns >12' In Length, Add	*11.97*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	132.68	
		For Plastic Lined, Add	*30.36*	
		For Columns >12' In Length, Add	*13.27*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	1.87	

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	1.96	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	2.28	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	2.63	

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	9.11	

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	11.29	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	13.74	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.63	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	19.02	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.54	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	54.85	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 00-0001 Concrete Form Liners *(03 11 16)*

03 11 16 00-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	4.76	
03 11 16 00-0003	SF	Rusticated Concrete Finish, Beveled Edge, 1 Use, Concrete Form Liner, Add To Formwork	6.12	
03 11 16 00-0004	SF	Rusticated Concrete Finish, Square Edge, 1 Use, Concrete Form Liner, Add To Formwork	8.02	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	15.33	
		For Curved Formwork, Add	*5.88*	
		For <1,000, Add	*2.98*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	30.28	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*11.48*	
		For <1,000, Add	*5.85*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	12.17	
		For Curved Formwork, Add	*4.76*	
		For <1,000, Add	*2.40*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	22.78	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*8.86*	
		For <1,000, Add	*4.47*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	7.29	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	8.20	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	9.88	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	10.83	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	16.22	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	8.00	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	10.02	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	17.71	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.01	

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	8.35	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	9.64	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	8.87	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	12.30	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	10.05	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	13.00	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	6.46	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	9.89	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	11.12	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	12.58	

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001 Poured Expansion Joint *(03 15 16)*

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.07	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	3.72	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.61	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	6.16	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	3.76	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	6.86	0.68
		For Installation In Walls, Add	*2.07*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	1.69	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	1.90	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.42	0.68
		For Installation In Walls, Add	*1.28*	

03 15 16 00-0011 Premolded Expansion Joints *(03 15 16)*

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.96	0.92
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.20	0.98
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.35	1.02
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.51	1.07
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.09	0.92
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.30	0.98
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.54	1.02
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.87	1.07
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.92	0.88
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.07	0.92
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.25	0.98
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.40	1.02
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.58	1.07
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.82	1.12
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	3.01	1.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.33	1.21
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.26	0.98
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.53	1.02
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.02	1.12
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	5.00	1.53
03 15 16 00-0033		Cork, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	2.99	0.98
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.35	1.07
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	3.61	1.12
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	4.82	1.16
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	5.12	1.21
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	5.78	1.53
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	6.55	1.53
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	6.91	1.53
03 15 16 00-0042		Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.11	0.98
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.21	1.02
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.32	1.07
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.62	1.12
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.16	0.98
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.26	1.02
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.35	1.07
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.54	1.12
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	2.13	0.98
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	2.30	1.02
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	2.54	1.12
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	3.95	0.92
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	4.73	0.92
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	1.04	0.69
		>1,250, Deduct	*-0.05*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	0.98	0.69
		>1,250, Deduct	*-0.05*	
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	5.34	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	5.44	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	5.65	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	6.00	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	7.57	

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*
Note: For cast in place installations. Includes nut and washer.

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

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.85	
		For Galvanized, Add	*0.79*	
		For Stainless Steel, Add	*5.53*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.13*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	7.68	
		For Galvanized, Add	*1.01*	
		For Stainless Steel, Add	*7.04*	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.92	
		For Galvanized, Add	*1.39*	
		For Stainless Steel, Add	*9.70*	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.37*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	9.77	
		For Galvanized, Add	*1.81*	
		For Stainless Steel, Add	*12.67*	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.71*	
		For >100, Deduct	*-1.41*	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.53	
		For Galvanized, Add	*2.42*	
		For Stainless Steel, Add	*16.91*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.89	
		For Galvanized, Add	*2.76*	
		For Stainless Steel, Add	*19.32*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.75*	

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.85	
		For Galvanized, Add	*2.74*	
		For Stainless Steel, Add	*19.18*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.75*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.58	
		For Galvanized, Add	*3.20*	
		For Stainless Steel, Add	*22.37*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.40	
		For Galvanized, Add	*4.10*	
		For Stainless Steel, Add	*28.67*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.65	
		For Galvanized, Add	*5.16*	
		For Stainless Steel, Add	*36.12*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.58*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.71	
		For Galvanized, Add	*3.75*	
		For Stainless Steel, Add	*26.25*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.51	
		For Galvanized, Add	*4.49*	
		For Stainless Steel, Add	*31.43*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.25	
		For Galvanized, Add	*5.98*	
		For Stainless Steel, Add	*41.86*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.23	
		For Galvanized, Add	*4.85*	
		For Stainless Steel, Add	*33.95*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.96	
		For Galvanized, Add	*5.84*	
		For Stainless Steel, Add	*40.85*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.37	
		For Galvanized, Add	*7.32*	
		For Stainless Steel, Add	*51.21*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.31	
		For Galvanized, Add	*8.94*	
		For Stainless Steel, Add	*62.55*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.58*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.68	
		For Galvanized, Add	*6.06*	
		For Stainless Steel, Add	*42.42*	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.08	
		For Galvanized, Add	*7.30*	
		For Stainless Steel, Add	*51.07*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.43*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.48	
		For Galvanized, Add	*9.15*	
		For Stainless Steel, Add	*64.02*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.58	
		For Galvanized, Add	*11.17*	
		For Stainless Steel, Add	*78.19*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.17*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.95	
		For Galvanized, Add	*7.58*	
		For Stainless Steel, Add	*53.03*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.18	
		For Galvanized, Add	*9.12*	
		For Stainless Steel, Add	*63.84*	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.90*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.79	
		For Galvanized, Add	*11.43*	
		For Stainless Steel, Add	*80.01*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.73*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.33	
		For Galvanized, Add	*13.96*	
		For Stainless Steel, Add	*97.72*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.88*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.30	
		For Galvanized, Add	*9.47*	
		For Stainless Steel, Add	*66.29*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.82*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.55	
		For Galvanized, Add	*11.40*	
		For Stainless Steel, Add	*79.77*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.49*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	48.70	
		For Galvanized, Add	*14.29*	
		For Stainless Steel, Add	*100.03*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.73*	
		For >100, Deduct	*-5.45*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	60.03	
		For Galvanized, Add	*17.46*	
		For Stainless Steel, Add	*122.19*	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.38*	
		For >100, Deduct	*-6.77*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.38	
		For Galvanized, Add	*2.10*	
		For Stainless Steel, Add	*14.67*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.85*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.39	
		For Galvanized, Add	*2.59*	
		For Stainless Steel, Add	*18.13*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-2.10*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.47	
		For Galvanized, Add	*2.97*	
		For Stainless Steel, Add	*20.79*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.45	
		For Galvanized, Add	*3.08*	
		For Stainless Steel, Add	*21.56*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.21	
		For Galvanized, Add	*3.24*	
		For Stainless Steel, Add	*22.65*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.27*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.41	
		For Galvanized, Add	*2.60*	
		For Stainless Steel, Add	*18.20*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-2.10*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.59	
		For Galvanized, Add	*3.03*	
		For Stainless Steel, Add	*21.21*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.41*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.23	
		For Galvanized, Add	*3.47*	
		For Stainless Steel, Add	*24.29*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.95	
		For Galvanized, Add	*3.61*	
		For Stainless Steel, Add	*25.24*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.01	
		For Galvanized, Add	*3.79*	
		For Stainless Steel, Add	*26.50*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.20	
		For Galvanized, Add	*3.34*	
		For Stainless Steel, Add	*23.35*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.79	
		For Galvanized, Add	*3.75*	
		For Stainless Steel, Add	*26.25*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.83*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.12	
		For Galvanized, Add	*4.19*	
		For Stainless Steel, Add	*29.33*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.81	
		For Galvanized, Add	*4.39*	
		For Stainless Steel, Add	*30.73*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.63	
		For Galvanized, Add	*4.60*	
		For Stainless Steel, Add	*32.17*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.15*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.13	
		For Galvanized, Add	*5.33*	
		For Stainless Steel, Add	*37.28*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.63*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.04	
		For Galvanized, Add	*6.24*	
		For Stainless Steel, Add	*43.65*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.54*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.06	
		For Galvanized, Add	*4.39*	
		For Stainless Steel, Add	*30.70*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.55	
		For Galvanized, Add	*4.91*	
		For Stainless Steel, Add	*34.34*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.30	
		For Galvanized, Add	*5.14*	
		For Stainless Steel, Add	*35.95*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.72*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.34	
		For Galvanized, Add	*5.30*	
		For Stainless Steel, Add	*37.10*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	30.85	
		For Galvanized, Add	*6.21*	
		For Stainless Steel, Add	*43.44*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.31*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.45	
		For Galvanized, Add	*7.03*	
		For Stainless Steel, Add	*49.18*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.58*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.35	
		For Galvanized, Add	*7.94*	
		For Stainless Steel, Add	*55.55*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.30	
		For Galvanized, Add	*8.63*	
		For Stainless Steel, Add	*60.41*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.47*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.81	
		For Galvanized, Add	*9.24*	
		For Stainless Steel, Add	*64.68*	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.19*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.51	
		For Galvanized, Add	*9.90*	
		For Stainless Steel, Add	*69.27*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.13*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.74	
		For Galvanized, Add	*10.94*	
		For Stainless Steel, Add	*76.58*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.23*	
		For >100, Deduct	*-8.47*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.00	
		For Galvanized, Add	*6.63*	
		For Stainless Steel, Add	*46.41*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.95	
		For Galvanized, Add	*7.76*	
		For Stainless Steel, Add	*54.29*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.46*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.97	
		For Galvanized, Add	*8.79*	
		For Stainless Steel, Add	*61.50*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.76*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.31	
		For Galvanized, Add	*9.92*	
		For Stainless Steel, Add	*69.41*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.09*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.62	
		For Galvanized, Add	*10.79*	
		For Stainless Steel, Add	*75.53*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.69*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.44	
		For Galvanized, Add	*11.56*	
		For Stainless Steel, Add	*80.89*	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.65	
		For Galvanized, Add	*12.47*	
		For Stainless Steel, Add	*87.26*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.39*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.21	
		For Galvanized, Add	*13.68*	
		For Stainless Steel, Add	*95.73*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.37*	
		For >100, Deduct	*-8.74*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.13	
		For Galvanized, Add	*9.19*	
		For Stainless Steel, Add	*64.30*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.67	
		For Galvanized, Add	*9.64*	
		For Stainless Steel, Add	*67.45*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.89	
		For Galvanized, Add	*10.61*	
		For Stainless Steel, Add	*74.24*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.70*	
		For >100, Deduct	*-5.40*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.21	
		For Galvanized, Add	*11.59*	
		For Stainless Steel, Add	*81.10*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.88*	
		For >100, Deduct	*-5.77*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.70	
		For Galvanized, Add	*12.57*	
		For Stainless Steel, Add	*87.96*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.17*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.37	
		For Galvanized, Add	*13.51*	
		For Stainless Steel, Add	*94.57*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.51*	
		For >100, Deduct	*-7.02*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.74	
		For Galvanized, Add	*14.62*	
		For Stainless Steel, Add	*102.31*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-8.16*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.38	
		For Galvanized, Add	*16.21*	
		For Stainless Steel, Add	*113.47*	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-4.91*	
		For >100, Deduct	*-9.81*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.09	
		For Galvanized, Add	*13.83*	
		For Stainless Steel, Add	*96.78*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.07*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.73	
		For Galvanized, Add	*14.13*	
		For Stainless Steel, Add	*98.88*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.51*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.38	
		For Galvanized, Add	*14.35*	
		For Stainless Steel, Add	*100.45*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.77*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.19	
		For Galvanized, Add	*16.58*	
		For Stainless Steel, Add	*116.03*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.27*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.60	
		For Galvanized, Add	*19.14*	
		For Stainless Steel, Add	*133.95*	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.18*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.49	
		For Galvanized, Add	*19.39*	
		For Stainless Steel, Add	*135.70*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-4.04*	
		For >100, Deduct	*-8.08*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.73	
		For Galvanized, Add	*20.94*	
		For Stainless Steel, Add	*146.55*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.73*	
		For >100, Deduct	*-9.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	91.16	
		For Galvanized, Add	*22.55*	
		For Stainless Steel, Add	*157.82*	
		For >10 To 50, Deduct	*-2.30*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-11.47*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.77	
		For Galvanized, Add	*21.05*	
		For Stainless Steel, Add	*147.32*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.22*	
		For >100, Deduct	*-6.44*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.07	
		For Galvanized, Add	*22.75*	
		For Stainless Steel, Add	*159.25*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.19*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	77.94	
		For Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*173.57*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.07*	
		For >100, Deduct	*-8.15*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.03	
		For Galvanized, Add	*26.26*	
		For Stainless Steel, Add	*183.82*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.66*	
		For >100, Deduct	*-9.33*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	93.30	
		For Galvanized, Add	*28.22*	
		For Stainless Steel, Add	*197.54*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-5.10*	
		For >100, Deduct	*-10.19*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	101.22	
		For Galvanized, Add	*30.13*	
		For Stainless Steel, Add	*210.91*	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-5.60*	
		For >100, Deduct	*-11.21*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	117.38	
		For Galvanized, Add	*32.36*	
		For Stainless Steel, Add	*226.52*	
		For >10 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-6.88*	
		For >100, Deduct	*-13.77*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.81	
		For Galvanized, Add	*35.58*	
		For Stainless Steel, Add	*249.03*	
		For >10 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-7.04*	
		For >100, Deduct	*-14.09*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	140.53	
		For Galvanized, Add	*39.55*	
		For Stainless Steel, Add	*276.82*	
		For >10 To 50, Deduct	*-3.07*	
		For >50 To 100, Deduct	*-8.12*	
		For >100, Deduct	*-16.24*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.18	
		For Galvanized, Add	*46.75*	
		For Stainless Steel, Add	*327.25*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-4.51*	
		For >100, Deduct	*-9.01*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.30	
		For Galvanized, Add	*48.87*	
		For Stainless Steel, Add	*342.06*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.90*	
		For >100, Deduct	*-9.80*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.34	
		For Galvanized, Add	*53.00*	
		For Stainless Steel, Add	*370.97*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-5.48*	
		For >100, Deduct	*-10.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	145.21	
		For Galvanized, Add	*55.85*	
		For Stainless Steel, Add	*390.95*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-6.14*	
		For >100, Deduct	*-12.29*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	154.55	
		For Galvanized, Add	*58.85*	
		For Stainless Steel, Add	*411.92*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-6.63*	
		For >100, Deduct	*-13.26*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	165.35	
		For Galvanized, Add	*62.20*	
		For Stainless Steel, Add	*435.37*	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-7.21*	
		For >100, Deduct	*-14.41*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	183.92	
		For Galvanized, Add	*65.63*	
		For Stainless Steel, Add	*459.41*	
		For >10 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-8.55*	
		For >100, Deduct	*-17.10*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.89	
		For Galvanized, Add	*52.93*	
		For Stainless Steel, Add	*370.48*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-4.95*	
		For >100, Deduct	*-9.90*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.56	
		For Galvanized, Add	*56.62*	
		For Stainless Steel, Add	*396.31*	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-5.46*	
		For >100, Deduct	*-10.93*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.39	
		For Galvanized, Add	*60.34*	
		For Stainless Steel, Add	*422.35*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-6.09*	
		For >100, Deduct	*-12.18*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	164.24	
		For Galvanized, Add	*63.69*	
		For Stainless Steel, Add	*445.83*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-6.87*	
		For >100, Deduct	*-13.74*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	175.67	
		For Galvanized, Add	*67.36*	
		For Stainless Steel, Add	*471.49*	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-7.46*	
		For >100, Deduct	*-14.93*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	191.18	
		For Galvanized, Add	*72.56*	
		For Stainless Steel, Add	*507.89*	
		For >10 To 50, Deduct	*-2.30*	
		For >50 To 100, Deduct	*-8.23*	
		For >100, Deduct	*-16.47*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	214.53	
		For Galvanized, Add	*76.55*	
		For Stainless Steel, Add	*535.82*	
		For >10 To 50, Deduct	*-3.07*	
		For >50 To 100, Deduct	*-9.97*	
		For >100, Deduct	*-19.94*	

03 20 Concrete Reinforcing *(03)*

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

03 21 Reinforcement Bars *(03 20)*

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

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

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

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

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.84
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.25
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.71
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.51
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.86

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.27	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.74	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.53	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.88	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.31	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.80	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.34	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.89	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.53	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.30	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.09	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.99	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.89	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.85	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.41	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.98	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.66	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.45	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.28	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.27	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	12.38	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.54	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.90	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.34	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.84	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.39	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.96	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.63	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.41	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.23	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.20	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.26	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.52	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.89	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.33	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.81	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.53	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.91	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.35	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.84	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.55	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.93	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.39	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.90	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.46	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	3.03	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.69	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	4.49	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	5.30	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	7.28	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	12.33	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.95	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.53	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	3.12	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.82	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	4.64	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	5.49	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	7.56	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	12.82	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.56	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.95	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.42	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.94	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.51	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.10	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.79	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.60	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.44	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.49	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	12.70	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.45	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.76	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.15	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.56	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.46	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.78	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.17	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.59	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.48	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.80	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.21	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.65	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.15	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.68	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.28	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	4.00	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	4.76	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	6.58	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	11.22	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.70	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.22	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.77	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.41	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	4.15	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	4.95	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.86	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.71	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.49	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.82	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.24	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.69	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.20	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.75	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.38	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.11	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.90	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.79	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	11.59	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.43	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.74	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.11	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.52	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.44	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.76	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.13	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.55	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.46	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.78	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.17	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.61	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.09	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.60	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.19	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.91	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.65	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.43	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.99	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.66	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.16	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.69	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.32	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.06	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.84	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.71	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.48	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.47	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.80	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.20	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.65	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.14	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.67	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.29	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.02	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.79	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.64	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.36	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

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

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.40	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.68	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.03	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.42	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.41	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.70	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.05	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.45	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.43	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.72	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.09	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.51	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.97	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.45	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.02	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.72	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.43	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.15	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	10.55	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.56	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.04	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.54	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.15	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.87	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.62	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.43	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.04	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.44	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.74	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.12	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.55	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.02	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.52	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.12	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.83	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.57	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.36	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.92	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.38	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.66	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	0.99	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.37	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.68	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.01	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.40	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.41	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.70	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.05	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.46	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	1.91	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.38	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	2.94	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.62	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	4.33	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	6.01	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	10.33	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.51	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	1.98	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.47	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	3.07	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	3.77	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.52	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	6.29	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	10.82	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.42	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.72	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.08	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.50	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.96	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.45	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.04	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.73	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.47	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.22	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.70	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0235		Mechanical Joint Connection *(03 21 11)*		
03 21 11 00-0236		Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*		
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	160.31	
03 21 11 00-0238		Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*		
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	88.31	
03 21 11 00-0240		Deformed Straight Dowels *(03 21 11)*		
		Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	2.18	
		For Up To 12" Length, Deduct	*-0.22*	
		For >12" To <24" Length, Deduct	*-0.11*	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.59	
		For Up To 12" Length, Deduct	*-0.30*	
		For >12" To <24" Length, Deduct	*-0.15*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	3.11	
		For Up To 12" Length, Deduct	*-0.46*	
		For >12" To <24" Length, Deduct	*-0.23*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	3.73	
		For Up To 12" Length, Deduct	*-0.67*	
		For >12" To <24" Length, Deduct	*-0.33*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	4.33	
		For Up To 12" Length, Deduct	*-0.93*	
		For >12" To <24" Length, Deduct	*-0.47*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	5.45	
		For Up To 12" Length, Deduct	*-1.19*	
		For >12" To <24" Length, Deduct	*-0.60*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.40	
		For Up To 12" Length, Deduct	*-1.47*	
		For >12" To <24" Length, Deduct	*-0.74*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.78	
		For Up To 12" Length, Deduct	*-1.92*	
		For >12" To <24" Length, Deduct	*-0.96*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	9.18	
		For Up To 12" Length, Deduct	*-2.38*	
		For >12" To <24" Length, Deduct	*-1.19*	
03 21 11 00-0250		Spirals, Reinforcing Steel *(03 21 11)*		
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,684.74	
		For Grade 75, Add	*175.35*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,652.41	
		For Grade 75, Add	*175.35*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,652.41	
		For Grade 75, Add	*175.35*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,587.44	
		For Grade 75, Add	*175.35*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,532.92	
		For Grade 75, Add	*175.35*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,536.50	
		For Grade 75, Add	*179.66*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,490.86	
		For Grade 75, Add	*179.66*	
03 21 11 00-0258		Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*		
03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	21.48	
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	22.38	
03 21 11 00-0261		Accessories For Reinforcing Steel *(03 21 11)*		
03 21 11 00-0262		Reinforcing Steel Weld Splice *(03 21 11 00-0261)*		
03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Weld Splice	32.59	
03 21 11 00-0264	EA	>#6 Reinforcing Steel Weld Splice	47.16	
03 21 11 00-0265		Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*		
03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	24.35	
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	35.74	
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	51.75	
03 21 13		**Galvanized Reinforcement Steel Bars** *(03 21)*		
03 21 13 00-0001		Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.01	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.50	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.08	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.03	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.53	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.12	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.05	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.57	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.17	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.84	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.55	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.38	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.37	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.41	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.89	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.26	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.23	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.92	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.65	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.50	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.52	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.60	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.17	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	15.76	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.06	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.58	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.18	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.08	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.61	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.22	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.64	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.10	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.65	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.27	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.96	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.69	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.54	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.56	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.62	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.18	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	15.70	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.33	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.04	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.79	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.66	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.71	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.81	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	9.46	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.20	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.93	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.40	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.93	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.95	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.97	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.57	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.97	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.47	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.02	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.65	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.34	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.13	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.07	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.08	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.48	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	14.59	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.08	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.73	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.44	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.25	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.22	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.27	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.76	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	15.09	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.36	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.89	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.93	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.39	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.93	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.98	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.59	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.26	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.04	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.98	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.97	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.33	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	14.36	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.04	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.67	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.36	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.16	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.13	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.16	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.61	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	14.86	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.28	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.79	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.31	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.83	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.89	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.35	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.88	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.47	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.11	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.87	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.79	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.75	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.05	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.92	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.94	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.55	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.21	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.99	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.94	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.94	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.33	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.42	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.24	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.74	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.27	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.78	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.50	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.31	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.83	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.41	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.04	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.79	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.69	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.65	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.91	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.70	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.89	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.49	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.14	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.91	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.84	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.84	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.19	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	14.20	

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

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.99	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.48	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.50	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.08	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.03	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.54	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.13	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.79	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.48	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.29	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.25	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.26	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.69	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.90	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.19	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.86	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.57	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.41	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.41	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.46	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.96	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.39	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.56	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.14	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.06	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.58	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.18	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.63	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.08	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.62	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.23	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.91	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.62	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.45	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.44	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.47	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.98	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.34	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.29	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.98	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.71	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.57	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.60	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.67	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.25	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	15.83	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0057		**Footings, Epoxy Coated Steel Reinforcement Bar** *(03 21 16)* Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.91	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.38	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.89	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.93	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.40	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.93	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.44	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.98	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.60	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.27	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.04	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.95	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.93	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.28	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	14.23	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.67	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.36	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.16	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.11	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.13	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.55	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	14.72	
03 21 16 00-0085		**Slab On Grade, Epoxy Coated Steel Reinforcement Bar** *(03 21 16)* Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.89	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.85	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.91	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.36	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.89	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.93	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.40	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.54	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.19	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.95	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.86	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.82	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.13	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.00	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.00	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.61	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.28	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.07	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.02	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.02	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.40	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.49	
03 21 16 00-0113		**Elevated Slabs, Epoxy Coated Steel Reinforcement Bar** *(03 21 16)* Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.26	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.75	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.85	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.28	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.79	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.87	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.84	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.42	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.04	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.78	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.67	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.60	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.85	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	13.56	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.90	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.49	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.13	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.90	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.83	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.80	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.12	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.05	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.81	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.22	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.70	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.24	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.74	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.85	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.28	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.79	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.36	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.97	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.70	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.57	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.50	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.71	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	13.34	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	1.85	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.43	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.06	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.82	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.73	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.70	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.98	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	13.83	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.55	
		For Up To 12" Length, Deduct	*-0.31*	
		For >12" To <24" Length, Deduct	*-0.16*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.03	
		For Up To 12" Length, Deduct	*-0.47*	
		For >12" To <24" Length, Deduct	*-0.24*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.71	
		For Up To 12" Length, Deduct	*-0.70*	
		For >12" To <24" Length, Deduct	*-0.35*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.40	
		For Up To 12" Length, Deduct	*-0.94*	
		For >12" To <24" Length, Deduct	*-0.47*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.43	
		For Up To 12" Length, Deduct	*-1.28*	
		For >12" To <24" Length, Deduct	*-0.64*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.39	
		For Up To 12" Length, Deduct	*-1.57*	
		For >12" To <24" Length, Deduct	*-0.78*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.60	
		For Up To 12" Length, Deduct	*-1.90*	
		For >12" To <24" Length, Deduct	*-0.95*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.12	
		For Up To 12" Length, Deduct	*-2.30*	
		For >12" To <24" Length, Deduct	*-1.15*	

03 22 Fabric And Grid Reinforcing *(03 20)*

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

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

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

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

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.61	
		For >5 Ton, Deduct	*-0.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.70	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.78	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.92	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.73	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.81	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.00	
		For >5 Ton, Deduct	*-0.14*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.15	
		For >5 Ton, Deduct	*-0.16*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.06	
		For >5 Ton, Deduct	*-0.14*	

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.67	
		For >5 Ton, Deduct	*-0.10*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.77	
		For >5 Ton, Deduct	*-0.11*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.87	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.05	
		For >5 Ton, Deduct	*-0.15*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.81	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.91	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.16	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.35	
		For >5 Ton, Deduct	*-0.18*	

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.43	
		For >5 Ton, Deduct	*-0.38*	

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

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.66	
		For >5 Ton, Deduct	*-0.10*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.76	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.86	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.03	
		For >5 Ton, Deduct	*-0.15*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.80	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.89	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.14	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.32	
		For >5 Ton, Deduct	*-0.18*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

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

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforceing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.04	
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.32	

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0037 for hauling over 15 miles.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 00 00-0001 for color additive alternative, 03 31 13 00-0088 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly		6.77	
		For 2,000 PSI Concrete, Deduct		*-0.20*	
		For 2,500 PSI Concrete, Deduct		*-0.10*	
		For 3,500 PSI Concrete, Add		*0.07*	
		For 4,000 PSI Concrete, Add		*0.24*	
		For Reinforcing Rods Are At 18" On Center, Deduct		*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct		*-0.40*	
		For Up To 500, Add		*2.56*	
		For >500 To 1,000, Add		*1.77*	
		For >1,000 To 2,000, Add		*0.98*	
		For >2,000 To 5,000, Add		*0.49*	
		For >10,000 To 20,000, Deduct		*-0.19*	
		For >20,000 To 35,000, Deduct		*-0.36*	
		For >35,000 To 50,000, Deduct		*-0.53*	
		For >50,000 To 70,000, Deduct		*-0.70*	
		For >70,000, Deduct		*-0.87*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly		7.43	
		For 2,000 PSI Concrete, Deduct		*-0.23*	
		For 2,500 PSI Concrete, Deduct		*-0.12*	
		For 3,500 PSI Concrete, Add		*0.08*	
		For 4,000 PSI Concrete, Add		*0.27*	
		For Reinforcing Rods Are At 18" On Center, Deduct		*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct		*-0.40*	
		For Up To 500, Add		*2.75*	
		For >500 To 1,000, Add		*1.90*	
		For >1,000 To 2,000, Add		*1.06*	
		For >2,000 To 5,000, Add		*0.53*	
		For >10,000 To 20,000, Deduct		*-0.21*	
		For >20,000 To 35,000, Deduct		*-0.40*	
		For >35,000 To 50,000, Deduct		*-0.59*	
		For >50,000 To 70,000, Deduct		*-0.77*	
		For >70,000, Deduct		*-0.96*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly		8.36	
		For 2,000 PSI Concrete, Deduct		*-0.27*	
		For 2,500 PSI Concrete, Deduct		*-0.14*	
		For 3,500 PSI Concrete, Add		*0.10*	
		For 4,000 PSI Concrete, Add		*0.32*	
		For Reinforcing Rods Are At 18" On Center, Deduct		*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct		*-0.40*	
		For Up To 500, Add		*3.02*	
		For >500 To 1,000, Add		*2.09*	
		For >1,000 To 2,000, Add		*1.17*	
		For >2,000 To 5,000, Add		*0.59*	
		For >10,000 To 20,000, Deduct		*-0.25*	
		For >20,000 To 35,000, Deduct		*-0.46*	
		For >35,000 To 50,000, Deduct		*-0.67*	
		For >50,000 To 70,000, Deduct		*-0.88*	
		For >70,000, Deduct		*-1.09*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly		9.25	
		For 2,000 PSI Concrete, Deduct		*-0.31*	
		For 2,500 PSI Concrete, Deduct		*-0.16*	
		For 3,500 PSI Concrete, Add		*0.11*	
		For 4,000 PSI Concrete, Add		*0.36*	
		For Reinforcing Rods Are At 18" On Center, Deduct		*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct		*-0.40*	
		For Up To 500, Add		*3.25*	
		For >500 To 1,000, Add		*2.26*	
		For >1,000 To 2,000, Add		*1.28*	
		For >2,000 To 5,000, Add		*0.64*	
		For >10,000 To 20,000, Deduct		*-0.29*	
		For >20,000 To 35,000, Deduct		*-0.52*	
		For >35,000 To 50,000, Deduct		*-0.75*	
		For >50,000 To 70,000, Deduct		*-0.98*	
		For >70,000, Deduct		*-1.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.00	
		For 2,000 PSI Concrete, Deduct	*-0.34*	
		For 2,500 PSI Concrete, Deduct	*-0.17*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.40*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.46*	
		For >500 To 1,000, Add	*2.41*	
		For >1,000 To 2,000, Add	*1.36*	
		For >2,000 To 5,000, Add	*0.68*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000 To 35,000, Deduct	*-0.57*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.07*	
		For >70,000, Deduct	*-1.32*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.96	
		For 2,000 PSI Concrete, Deduct	*-0.43*	
		For 2,500 PSI Concrete, Deduct	*-0.22*	
		For 3,500 PSI Concrete, Add	*0.15*	
		For 4,000 PSI Concrete, Add	*0.51*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.96*	
		For >500 To 1,000, Add	*2.77*	
		For >1,000 To 2,000, Add	*1.59*	
		For >2,000 To 5,000, Add	*0.79*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000 To 35,000, Deduct	*-0.70*	
		For >35,000 To 50,000, Deduct	*-1.00*	
		For >50,000 To 70,000, Deduct	*-1.30*	
		For >70,000, Deduct	*-1.60*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	13.46	
		For 2,000 PSI Concrete, Deduct	*-0.50*	
		For 2,500 PSI Concrete, Deduct	*-0.25*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.58*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*4.37*	
		For >500 To 1,000, Add	*3.07*	
		For >1,000 To 2,000, Add	*1.77*	
		For >2,000 To 5,000, Add	*0.88*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000 To 35,000, Deduct	*-0.80*	
		For >35,000 To 50,000, Deduct	*-1.14*	
		For >50,000 To 70,000, Deduct	*-1.47*	
		For >70,000, Deduct	*-1.81*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	251.99	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*38.80*	
		For >20 To 50, Add	*14.55*	
		For >100 To 200, Deduct	*-5.04*	
		For >200 To 400, Deduct	*-10.08*	
		For >400, Deduct	*-15.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	198.73	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*17.49*	
		For >20 To 50, Add	*6.56*	
		For >100 To 200, Deduct	*-3.97*	
		For >200 To 400, Deduct	*-7.95*	
		For >400, Deduct	*-11.92*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	209.56	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*16.66*	
		For >20 To 50, Add	*6.25*	
		For >100 To 200, Deduct	*-4.19*	
		For >200 To 400, Deduct	*-8.38*	
		For >400, Deduct	*-12.57*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	241.21	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*34.48*	
		For >20 To 50, Add	*12.93*	
		For >100 To 200, Deduct	*-4.82*	
		For >200 To 400, Deduct	*-9.65*	
		For >400, Deduct	*-14.47*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	193.87	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*15.55*	
		For >20 To 50, Add	*5.83*	
		For >100 To 200, Deduct	*-3.88*	
		For >200 To 400, Deduct	*-7.75*	
		For >400, Deduct	*-11.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	204.94	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*14.81*	
		For >20 To 50, Add	*5.55*	
		For >100 To 200, Deduct	*-4.10*	
		For >200 To 400, Deduct	*-8.20*	
		For >400, Deduct	*-12.30*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	300.49	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*58.20*	
		For >20 To 50, Add	*21.82*	
		For >100 To 200, Deduct	*-6.01*	
		For >200 To 400, Deduct	*-12.02*	
		For >400, Deduct	*-18.03*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	220.59	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*26.24*	
		For >20 To 50, Add	*9.84*	
		For >100 To 200, Deduct	*-4.41*	
		For >200 To 400, Deduct	*-8.82*	
		For >400, Deduct	*-13.24*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	230.39	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*24.99*	
		For >20 To 50, Add	*9.37*	
		For >100 To 200, Deduct	*-4.61*	
		For >200 To 400, Deduct	*-9.22*	
		For >400, Deduct	*-13.82*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	180.87	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*10.35*	
		For >20 To 50, Add	*3.88*	
		For >100 To 200, Deduct	*-3.62*	
		For >200 To 400, Deduct	*-7.23*	
		For >400, Deduct	*-10.85*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	166.67	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*4.67*	
		For >20 To 50, Add	*1.75*	
		For >100 To 200, Deduct	*-3.33*	
		For >200 To 400, Deduct	*-6.67*	
		For >400, Deduct	*-10.00*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	177.64	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*3.89*	
		For >20 To 50, Add	*1.46*	
		For >100 To 200, Deduct	*-3.55*	
		For >200 To 400, Deduct	*-7.11*	
		For >400, Deduct	*-10.66*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	223.97	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*27.59*	
		For >20 To 50, Add	*10.35*	
		For >100 To 200, Deduct	*-4.48*	
		For >200 To 400, Deduct	*-8.96*	
		For >400, Deduct	*-13.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	186.09	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*12.44*	
		For >20 To 50, Add	*4.66*	
		For >100 To 200, Deduct	*-3.72*	
		For >200 To 400, Deduct	*-7.44*	
		For >400, Deduct	*-11.17*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	197.54	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*11.85*	
		For >20 To 50, Add	*4.44*	
		For >100 To 200, Deduct	*-3.95*	
		For >200 To 400, Deduct	*-7.90*	
		For >400, Deduct	*-11.85*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	225.60	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*28.24*	
		For >20 To 50, Add	*10.59*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.02*	
		For >400, Deduct	*-13.54*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	208.57	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*21.43*	
		For >20 To 50, Add	*8.04*	
		For >100 To 200, Deduct	*-4.17*	
		For >200 To 400, Deduct	*-8.34*	
		For >400, Deduct	*-12.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	186.83	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*12.73*	
		For >20 To 50, Add	*4.77*	
		For >100 To 200, Deduct	*-3.74*	
		For >200 To 400, Deduct	*-7.47*	
		For >400, Deduct	*-11.21*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	179.14	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*9.66*	
		For >20 To 50, Add	*3.62*	
		For >100 To 200, Deduct	*-3.58*	
		For >200 To 400, Deduct	*-7.17*	
		For >400, Deduct	*-10.75*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	194.45	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*10.61*	
		For >20 To 50, Add	*3.98*	
		For >100 To 200, Deduct	*-3.89*	
		For >200 To 400, Deduct	*-7.78*	
		For >400, Deduct	*-11.67*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	188.04	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*8.05*	
		For >20 To 50, Add	*3.02*	
		For >100 To 200, Deduct	*-3.76*	
		For >200 To 400, Deduct	*-7.52*	
		For >400, Deduct	*-11.28*	

03 31 13 00-0039 Place Concrete Duct Bank *(03 31 13 00-0011)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	181.34	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*10.54*	
		For >20 To 50, Add	*3.95*	
		For >100 To 200, Deduct	*-3.63*	
		For >200 To 400, Deduct	*-7.25*	
		For >400, Deduct	*-10.88*	

03 31 13 00-0041 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	472.62	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*127.05*	
		For >20 To 50, Add	*47.64*	
		For >100 To 200, Deduct	*-9.45*	
		For >200 To 400, Deduct	*-18.90*	
		For >400, Deduct	*-28.36*	
03 31 13 00-0043	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	298.22	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*57.29*	
		For >20 To 50, Add	*21.48*	
		For >100 To 200, Deduct	*-5.96*	
		For >200 To 400, Deduct	*-11.93*	
		For >400, Deduct	*-17.89*	
03 31 13 00-0044	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	287.28	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*47.74*	
		For >20 To 50, Add	*17.90*	
		For >100 To 200, Deduct	*-5.75*	
		For >200 To 400, Deduct	*-11.49*	
		For >400, Deduct	*-17.24*	

03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill *(03 31 13 00-0011)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0046	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	224.97	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*27.99*	
		For >20 To 50, Add	*10.50*	
		For >100 To 200, Deduct	*-4.50*	
		For >200 To 400, Deduct	*-9.00*	
		For >400, Deduct	*-13.50*	

03 31 13 00-0047 Place Concrete Slurry *(03 31 13 00-0011)*

Note: 2 bag cement per CY.

03 31 13 00-0048	CY	Direct Chute, Place 1,200 PSI Concrete Slurry	205.60	
03 31 13 00-0049	CY	Concrete Pump, Place 1,200 PSI Concrete Slurry Note: Excludes pumping equipment.	193.91	

03 31 13 00-0050 Hand Mix And Place Concrete *(03 31 13 00-0011)*

03 31 13 00-0051	CF	Hand Mix And Place Concrete Note: For use where conventional equipment access is limited or when directed by the owner.	29.77	
		For 2,000 PSI Concrete, Deduct	*-0.36*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.33*	
		For 3,750 PSI Concrete, Add	*0.45*	
		For 4,000 PSI Concrete, Add	*0.57*	
		For 4,500 PSI Concrete, Add	*0.66*	
		For 5,000 PSI Concrete, Add	*0.75*	
		For 6,000 PSI Concrete, Add	*1.79*	
		For White Cement Concrete, Add	*0.79*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.86*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.66*	
		For Lightweight Aggregate, ASTM C330, Add	*1.99*	

03 31 13 00-0052 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 31 13 00-0088 for concrete pump truck.

03 31 13 00-0053 Place Elevated Concrete Beams *(03 31 13 00-0052)*

03 31 13 00-0054	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	327.43	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*68.97*	
		For >20 To 50, Add	*25.86*	
		For >100 To 200, Deduct	*-6.55*	
		For >200 To 400, Deduct	*-13.10*	
		For >400, Deduct	*-19.65*	
03 31 13 00-0055	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	241.96	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*29.62*	
		For >20 To 50, Add	*11.11*	
		For >100 To 200, Deduct	*-4.84*	
		For >200 To 400, Deduct	*-9.68*	
		For >400, Deduct	*-14.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0056		Place Elevated Concrete Slab *(03 31 13 00-0052)*		
03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	236.18	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*32.47*	
		For >20 To 50, Add	*12.18*	
		For >100 To 200, Deduct	*-4.72*	
		For >200 To 400, Deduct	*-9.45*	
		For >400, Deduct	*-14.17*	
03 31 13 00-0058	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	216.59	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*24.64*	
		For >20 To 50, Add	*9.24*	
		For >100 To 200, Deduct	*-4.33*	
		For >200 To 400, Deduct	*-8.66*	
		For >400, Deduct	*-13.00*	
03 31 13 00-0059	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	202.78	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*13.94*	
		For >20 To 50, Add	*5.23*	
		For >100 To 200, Deduct	*-4.06*	
		For >200 To 400, Deduct	*-8.11*	
		For >400, Deduct	*-12.17*	
03 31 13 00-0060	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	194.36	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*10.58*	
		For >20 To 50, Add	*3.97*	
		For >100 To 200, Deduct	*-3.89*	
		For >200 To 400, Deduct	*-7.77*	
		For >400, Deduct	*-11.66*	
03 31 13 00-0061		Place Concrete Columns *(03 31 13 00-0052)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	341.22	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*74.49*	
		For >20 To 50, Add	*27.93*	
		For >100 To 200, Deduct	*-6.82*	
		For >200 To 400, Deduct	*-13.65*	
		For >400, Deduct	*-20.47*	
03 31 13 00-0063	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	290.36	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*54.14*	
		For >20 To 50, Add	*20.30*	
		For >100 To 200, Deduct	*-5.81*	
		For >200 To 400, Deduct	*-11.61*	
		For >400, Deduct	*-17.42*	
03 31 13 00-0064	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	253.97	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*39.59*	
		For >20 To 50, Add	*14.85*	
		For >100 To 200, Deduct	*-5.08*	
		For >200 To 400, Deduct	*-10.16*	
		For >400, Deduct	*-15.24*	
03 31 13 00-0065	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	237.77	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*33.11*	
		For >20 To 50, Add	*12.42*	
		For >100 To 200, Deduct	*-4.76*	
		For >200 To 400, Deduct	*-9.51*	
		For >400, Deduct	*-14.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	247.89	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*31.99*	
		For >20 To 50, Add	*12.00*	
		For >100 To 200, Deduct	*-4.96*	
		For >200 To 400, Deduct	*-9.92*	
		For >400, Deduct	*-14.87*	
03 31 13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	226.04	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*23.25*	
		For >20 To 50, Add	*8.72*	
		For >100 To 200, Deduct	*-4.52*	
		For >200 To 400, Deduct	*-9.04*	
		For >400, Deduct	*-13.56*	
03 31 13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	210.42	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*17.00*	
		For >20 To 50, Add	*6.38*	
		For >100 To 200, Deduct	*-4.21*	
		For >200 To 400, Deduct	*-8.42*	
		For >400, Deduct	*-12.63*	
03 31 13 00-0069	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	203.45	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*14.21*	
		For >20 To 50, Add	*5.33*	
		For >100 To 200, Deduct	*-4.07*	
		For >200 To 400, Deduct	*-8.14*	
		For >400, Deduct	*-12.21*	

03 31 13 00-0070 Place Concrete Walls *(03 31 13 00-0052)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0071	CY	8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	329.58	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*69.83*	
		For >20 To 50, Add	*26.19*	
		For >100 To 200, Deduct	*-6.59*	
		For >200 To 400, Deduct	*-13.18*	
		For >400, Deduct	*-19.77*	
03 31 13 00-0072	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	315.11	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*64.04*	
		For >20 To 50, Add	*24.02*	
		For >100 To 200, Deduct	*-6.30*	
		For >200 To 400, Deduct	*-12.60*	
		For >400, Deduct	*-18.91*	
03 31 13 00-0073	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	277.21	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*48.88*	
		For >20 To 50, Add	*18.33*	
		For >100 To 200, Deduct	*-5.54*	
		For >200 To 400, Deduct	*-11.09*	
		For >400, Deduct	*-16.63*	
03 31 13 00-0074	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	233.71	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*31.48*	
		For >20 To 50, Add	*11.81*	
		For >100 To 200, Deduct	*-4.67*	
		For >200 To 400, Deduct	*-9.35*	
		For >400, Deduct	*-14.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0075	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	217.97	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*25.19*	
		For >20 To 50, Add	*9.45*	
		For >100 To 200, Deduct	*-4.36*	
		For >200 To 400, Deduct	*-8.72*	
		For >400, Deduct	*-13.08*	
03 31 13 00-0076	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	210.10	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*22.04*	
		For >20 To 50, Add	*8.27*	
		For >100 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.61*	
03 31 13 00-0077	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	242.88	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*29.98*	
		For >20 To 50, Add	*11.24*	
		For >100 To 200, Deduct	*-4.86*	
		For >200 To 400, Deduct	*-9.72*	
		For >400, Deduct	*-14.57*	
03 31 13 00-0078	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	227.89	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*23.99*	
		For >20 To 50, Add	*9.00*	
		For >100 To 200, Deduct	*-4.56*	
		For >200 To 400, Deduct	*-9.12*	
		For >400, Deduct	*-13.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0079	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	220.40	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*20.99*	
		For >20 To 50, Add	*7.87*	
		For >100 To 200, Deduct	*-4.41*	
		For >200 To 400, Deduct	*-8.82*	
		For >400, Deduct	*-13.22*	

03 31 13 00-0080 Place Elevated Concrete Stairs *(03 31 13 00-0052)*

03 31 13 00-0081	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	507.94	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*141.18*	
		For >20 To 50, Add	*52.94*	
		For >100 To 200, Deduct	*-10.16*	
		For >200 To 400, Deduct	*-20.32*	
		For >400, Deduct	*-30.48*	
03 31 13 00-0082	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	314.13	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*63.65*	
		For >20 To 50, Add	*23.87*	
		For >100 To 200, Deduct	*-6.28*	
		For >200 To 400, Deduct	*-12.57*	
		For >400, Deduct	*-18.85*	
03 31 13 00-0083	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	300.53	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*53.04*	
		For >20 To 50, Add	*19.89*	
		For >100 To 200, Deduct	*-6.01*	
		For >200 To 400, Deduct	*-12.02*	
		For >400, Deduct	*-18.03*	

03 31 13 00-0084 Place Concrete Coping *(03 31 13 00-0052)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0085	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	520.15	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*146.06*	
		For >20 To 50, Add	*54.77*	
		For >100 To 200, Deduct	*-10.40*	
		For >200 To 400, Deduct	*-20.81*	
		For >400, Deduct	*-31.21*	
03 31 13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping	313.05	
		For 2,000 PSI Concrete, Deduct	*-8.37*	
		For 2,500 PSI Concrete, Deduct	*-4.19*	
		For 3,500 PSI Concrete, Add	*7.75*	
		For 3,750 PSI Concrete, Add	*10.54*	
		For 4,000 PSI Concrete, Add	*13.33*	
		For 4,500 PSI Concrete, Add	*15.50*	
		For 5,000 PSI Concrete, Add	*17.67*	
		For 6,000 PSI Concrete, Add	*41.85*	
		For White Cement Concrete, Add	*18.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.15*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.50*	
		For Lightweight Aggregate, ASTM C330, Add	*46.50*	
		For Up To 20, Add	*63.22*	
		For >20 To 50, Add	*23.71*	
		For >100 To 200, Deduct	*-6.26*	
		For >200 To 400, Deduct	*-12.52*	
		For >400, Deduct	*-18.78*	
03 31 13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	407.32	
		For 2,000 PSI Concrete, Deduct	*-9.07*	
		For 2,500 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Add	*8.40*	
		For 3,750 PSI Concrete, Add	*11.42*	
		For 4,000 PSI Concrete, Add	*14.44*	
		For 4,500 PSI Concrete, Add	*16.79*	
		For 5,000 PSI Concrete, Add	*19.14*	
		For 6,000 PSI Concrete, Add	*45.34*	
		For White Cement Concrete, Add	*20.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.83*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.79*	
		For Lightweight Aggregate, ASTM C330, Add	*50.38*	
		For Up To 20, Add	*95.76*	
		For >20 To 50, Add	*35.91*	
		For >100 To 200, Deduct	*-8.15*	
		For >200 To 400, Deduct	*-16.29*	
		For >400, Deduct	*-24.44*	
03 31 13 00-0088		Concrete Pumping With Boom Truck *(03 31 13 00-0010)* Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31 13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	161.90	
03 31 13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	173.74	
03 31 13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	216.52	
03 31 13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	243.15	
03 31 13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	270.63	
03 31 13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	328.83	
03 31 13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	363.55	
03 31 13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	447.65	
03 31 13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	113.32	
03 31 13 00-0098		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	19.01	
03 31 13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	25.46	
03 31 13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy	33.95	
03 31 13 00-0102	CY	50' Haul, Motorized, Concrete Buggy	7.93	
03 31 13 00-0103	CY	150' Haul, Motorized, Concrete Buggy	10.62	
03 31 13 00-0104	CY	250' Haul, Motorized, Concrete Buggy	14.17	
03 31 13 00-0105		Delivery Fee For Small Purchases *(03 31 13)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	18.22	
03 31 13 00-0107		Equipment Pads *(03 31 13)*		
03 31 13 00-0108		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0107)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0109	SF	4" Equipment Pad With Welded Wire Reinforcement	15.02	
03 31 13 00-0110	SF	4" Equipment Pad With Rebar	18.43	
03 31 13 00-0111	SF	6" Equipment Pad With Rebar	23.36	
03 31 13 00-0112	SF	8" Equipment Pad With Rebar	29.46	
03 31 13 00-0113		Delivery Fee For Concrete, Per Truck Load *(03 31 13)*		
03 31 13 00-0114	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	

03 35 Concrete Finishing *(03 30)*

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001		Floor Finishes *(03 35 16)* Note: Task is for final finish type and includes all required prior finishes.		
03 35 16 00-0002	SF	Screed, Concrete Floor Finish	0.80	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 16 00-0003	SF	Darby, Concrete Floor Finish	0.96	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.24*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 16 00-0004	SF	Broom, Concrete Floor Finish	1.06	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 16 00-0005	SF	Final Float, Concrete Floor Finish	1.23	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 16 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.39	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 16 00-0007	SF	Concrete Floor Finishes, Machine	1.23	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001		Exposed Aggregate, Concrete Finish *(03 35 23)*		
03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	2.31	

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001		Ramp, Grooved Concrete Surface Finishing *(03 35 26)*		
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.41	

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001		Solid Board Concrete Finish *(03 35 29)*		
03 35 29 00-0002	SF	Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork	13.34	
03 35 29 00-0003		Marblecrete Finishes *(03 35 29)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	36.89	
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	49.43	

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	3.15	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	2.86	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	2.73	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.48	
		For Up To 500, Add	*2.87*	
		For >500 To 1,000, Add	*2.66*	
		For >1,000 To 2,500, Add	*1.76*	
		For >2,500 To 4,000, Add	*0.92*	
		For >8,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 25,000, Deduct	*-0.45*	
		For >25,000, Deduct	*-0.64*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.18	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	0.99	
		For Up To 500, Add	*1.92*	
		For >500 To 1,000, Add	*1.78*	
		For >1,000 To 2,500, Add	*1.18*	
		For >2,500 To 4,000, Add	*0.61*	
		For >8,000 To 15,000, Deduct	*-0.24*	
		For >15,000 To 25,000, Deduct	*-0.30*	
		For >25,000, Deduct	*-0.43*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	0.91	
		For Up To 500, Add	*1.77*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,500, Add	*1.08*	
		For >2,500 To 4,000, Add	*0.56*	
		For >8,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 25,000, Deduct	*-0.28*	
		For >25,000, Deduct	*-0.39*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.84	
		For Up To 500, Add	*1.63*	
		For >500 To 1,000, Add	*1.51*	
		For >1,000 To 2,500, Add	*1.00*	
		For >2,500 To 4,000, Add	*0.52*	
		For >8,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 25,000, Deduct	*-0.26*	
		For >25,000, Deduct	*-0.36*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.84	
		For Up To 500, Add	*1.63*	
		For >500 To 1,000, Add	*1.51*	
		For >1,000 To 2,500, Add	*1.00*	
		For >2,500 To 4,000, Add	*0.52*	
		For >8,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 25,000, Deduct	*-0.26*	
		For >25,000, Deduct	*-0.36*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.84	
		For Up To 500, Add	*1.63*	
		For >500 To 1,000, Add	*1.51*	
		For >1,000 To 2,500, Add	*1.00*	
		For >2,500 To 4,000, Add	*0.52*	
		For >8,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 25,000, Deduct	*-0.26*	
		For >25,000, Deduct	*-0.36*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.84	
		For Up To 500, Add	*1.63*	
		For >500 To 1,000, Add	*1.51*	
		For >1,000 To 2,500, Add	*1.00*	
		For >2,500 To 4,000, Add	*0.52*	
		For >8,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 25,000, Deduct	*-0.26*	
		For >25,000, Deduct	*-0.36*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.18	
		For Up To 500, Add	*0.35*	
		For >500 To 1,000, Add	*0.32*	
		For >1,000 To 2,500, Add	*0.21*	
		For >2,500 To 4,000, Add	*0.11*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.08*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier	0.23	
		For Up To 500, Add	*0.45*	
		For >500 To 1,000, Add	*0.41*	
		For >1,000 To 2,500, Add	*0.27*	
		For >2,500 To 4,000, Add	*0.14*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.07*	
		For >25,000, Deduct	*-0.10*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector	0.23	
		For Up To 500, Add	*0.45*	
		For >500 To 1,000, Add	*0.41*	
		For >1,000 To 2,500, Add	*0.27*	
		For >2,500 To 4,000, Add	*0.14*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.07*	
		For >25,000, Deduct	*-0.10*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.12	
		For Up To 500, Add	*0.23*	
		For >500 To 1,000, Add	*0.22*	
		For >1,000 To 2,500, Add	*0.14*	
		For >2,500 To 4,000, Add	*0.07*	
		For >8,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 25,000, Deduct	*-0.04*	
		For >25,000, Deduct	*-0.05*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.08	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.01	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.86	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.04*	

03 35 83 Wall Finishes *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.42	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.33*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.13*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.14	
		For Up To 100, Add	*4.02*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.50*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	0.93	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	4.28	
		For Up To 100, Add	*8.48*	
		For >100 To 250, Add	*2.12*	
		For >250 To 500, Add	*1.06*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.42*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	6.64	
		For Up To 100, Add	*13.10*	
		For >100 To 250, Add	*3.28*	
		For >250 To 500, Add	*1.64*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000, Deduct	*-0.66*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	0.83	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.07*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	2.78	
		For Up To 100, Add	*5.34*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.67*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.27*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	4.23	
		For Up To 100, Add	*8.24*	
		For >100 To 250, Add	*2.06*	
		For >250 To 500, Add	*1.03*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.41*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes	2.68	
		For Up To 100, Add	*4.60*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000, Deduct	*-0.23*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes	7.50	
		For Up To 100, Add	*13.48*	
		For >100 To 250, Add	*3.37*	
		For >250 To 500, Add	*1.69*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000, Deduct	*-0.67*	

03 37 Specialty Placed Concrete *(03 30)*

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

03 37 13 Shotcrete *(03 37)*

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

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	4.54	
		For Up To 25, Add	*0.69*	
		For >25 To 50, Add	*0.38*	
		For >50 To 150, Add	*0.12*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	8.76	
		For Up To 25, Add	*1.30*	
		For >25 To 50, Add	*0.72*	
		For >50 To 150, Add	*0.21*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	12.72	
		For Up To 25, Add	*1.84*	
		For >25 To 50, Add	*1.02*	
		For >50 To 150, Add	*0.29*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	16.45	
		For Up To 25, Add	*2.33*	
		For >25 To 50, Add	*1.28*	
		For >50 To 150, Add	*0.34*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	23.38	
		For Up To 25, Add	*3.17*	
		For >25 To 50, Add	*1.72*	
		For >50 To 150, Add	*0.42*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.18	
		For Radius Or Irregular Surface, Add	*0.86*	
		For Up To 25, Add	*0.74*	
		For >25 To 50, Add	*0.43*	
		For >50 To 150, Add	*0.16*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.92	
		For Radius Or Irregular Surface, Add	*1.55*	
		For Up To 25, Add	*1.37*	
		For >25 To 50, Add	*0.78*	
		For >50 To 150, Add	*0.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.30	
		For Radius Or Irregular Surface, Add	*2.09*	
		For Up To 25, Add	*1.91*	
		For >25 To 50, Add	*1.09*	
		For >50 To 150, Add	*0.39*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.36	
		For Radius Or Irregular Surface, Add	*2.51*	
		For Up To 25, Add	*2.38*	
		For >25 To 50, Add	*1.35*	
		For >50 To 150, Add	*0.47*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	17.17	
		For Radius Or Irregular Surface, Add	*2.82*	
		For Up To 25, Add	*2.77*	
		For >25 To 50, Add	*1.56*	
		For >50 To 150, Add	*0.53*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	19.76	
		For Radius Or Irregular Surface, Add	*3.05*	
		For Up To 25, Add	*3.12*	
		For >25 To 50, Add	*1.75*	
		For >50 To 150, Add	*0.57*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.34	
		For Radius Or Irregular Surface, Add	*3.66*	
		For Up To 25, Add	*3.91*	
		For >25 To 50, Add	*2.18*	
		For >50 To 150, Add	*0.69*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	30.52	
		For Radius Or Irregular Surface, Add	*4.11*	
		For Up To 25, Add	*4.59*	
		For >25 To 50, Add	*2.55*	
		For >50 To 150, Add	*0.77*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	35.39	
		For Radius Or Irregular Surface, Add	*4.44*	
		For Up To 25, Add	*5.21*	
		For >25 To 50, Add	*2.88*	
		For >50 To 150, Add	*0.83*	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

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

03 39 13 00-0002	GAL	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	39.01

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

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

03 39 23 23-0001 Concrete Curing Materials And Compounds *(03 39 23 23)*

03 39 23 23-0002	CSF	7.5 Oz Burlap, Concrete Curing Blanket	31.19
03 39 23 23-0003	CSF	9 Oz Burlap, Concrete Curing Blanket	30.01
03 39 23 23-0004	CSF	12 Oz Burlap, Concrete Curing Blanket	33.90
03 39 23 23-0005	CSF	2 Ply Reinforced, Concrete Curing Waterproof Paper	31.44
03 39 23 23-0006	CSF	Curing Paper	10.89

03 39 33 Concrete Surface Treatments *(03 39)*

03 39 33 00-0001 Concrete Surface Treatments *(03 39 33)*

03 39 33 00-0002	SF	Acrylic Latex Bonding Agent	0.40
03 39 33 00-0003	SF	Epoxy Resin Bonding Agent	2.09
03 39 33 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.26
03 39 33 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.27

03 39 33 00-0006 Shake On Floor Hardeners *(03 39 33)*

03 39 33 00-0007	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	1.02
03 39 33 00-0008	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.60
03 39 33 00-0009	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.96
03 39 33 00-0010	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.18

03 40 Precast Concrete *(03)*

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

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0002		**Erection Costs For Using A 90 Ton Crawler Crane** *(03 41 16 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	273.19	218.57
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	303.70	242.91
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	322.48	257.97
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	341.86	273.50
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	365.85	292.67
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	391.00	312.80
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	419.87	335.87
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	456.64	365.29
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	496.52	397.26
03 41 16 00-0012		**Material Cost** *(03 41 16 00-0001)* Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	18.65	
		For 3,500 PSI Concrete, Add	*0.37*	
		For 4,000 PSI Concrete, Add	*0.56*	
		For 4,500 PSI Concrete, Add	*0.75*	
		For 5,000 PSI Concrete, Add	*1.12*	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	22.38	
		For 3,500 PSI Concrete, Add	*0.45*	
		For 4,000 PSI Concrete, Add	*0.67*	
		For 4,500 PSI Concrete, Add	*0.90*	
		For 5,000 PSI Concrete, Add	*1.34*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	27.35	
		For 3,500 PSI Concrete, Add	*0.55*	
		For 4,000 PSI Concrete, Add	*0.82*	
		For 4,500 PSI Concrete, Add	*1.09*	
		For 5,000 PSI Concrete, Add	*1.64*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	36.30	
		For 3,500 PSI Concrete, Add	*0.73*	
		For 4,000 PSI Concrete, Add	*1.09*	
		For 4,500 PSI Concrete, Add	*1.45*	
		For 5,000 PSI Concrete, Add	*2.18*	
03 41 16 00-0017		**Floor Units, Combination Beam And Slab** *(03 41 16)*		
03 41 16 00-0018		**Erection Costs For Using 90 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	336.87	269.48
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	367.17	293.78
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	405.82	324.62
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	450.62	360.47
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	506.53	405.19
03 41 16 00-0024		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	422.79	338.26
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	460.81	368.63
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	509.33	407.49
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	565.55	452.46
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	635.72	508.64
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	691.23	552.94
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	763.98	611.18
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	845.58	676.50
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	957.08	765.67
03 41 16 00-0034		**Material Cost** *(03 41 16 00-0017)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		**4" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	1,964.30	
		For 3,500 PSI Concrete, Add	*39.29*	
		For 4,000 PSI Concrete, Add	*58.93*	
		For 4,500 PSI Concrete, Add	*78.57*	
		For 5,000 PSI Concrete, Add	*117.86*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	1,989.17	
		For 3,500 PSI Concrete, Add	*39.78*	
		For 4,000 PSI Concrete, Add	*59.68*	
		For 4,500 PSI Concrete, Add	*79.57*	
		For 5,000 PSI Concrete, Add	*119.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	2,237.81	
		For 3,500 PSI Concrete, Add	*44.76*	
		For 4,000 PSI Concrete, Add	*67.13*	
		For 4,500 PSI Concrete, Add	*89.51*	
		For 5,000 PSI Concrete, Add	*134.27*	

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	2,014.03	
		For 3,500 PSI Concrete, Add	*40.28*	
		For 4,000 PSI Concrete, Add	*60.42*	
		For 4,500 PSI Concrete, Add	*80.56*	
		For 5,000 PSI Concrete, Add	*120.84*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	2,088.63	
		For 3,500 PSI Concrete, Add	*41.77*	
		For 4,000 PSI Concrete, Add	*62.66*	
		For 4,500 PSI Concrete, Add	*83.55*	
		For 5,000 PSI Concrete, Add	*125.32*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	2,660.51	
		For 3,500 PSI Concrete, Add	*53.21*	
		For 4,000 PSI Concrete, Add	*79.82*	
		For 4,500 PSI Concrete, Add	*106.42*	
		For 5,000 PSI Concrete, Add	*159.63*	

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	2,088.63	
		For 3,500 PSI Concrete, Add	*41.77*	
		For 4,000 PSI Concrete, Add	*62.66*	
		For 4,500 PSI Concrete, Add	*83.55*	
		For 5,000 PSI Concrete, Add	*125.32*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	2,486.46	
		For 3,500 PSI Concrete, Add	*49.73*	
		For 4,000 PSI Concrete, Add	*74.59*	
		For 4,500 PSI Concrete, Add	*99.46*	
		For 5,000 PSI Concrete, Add	*149.19*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	3,033.48	
		For 3,500 PSI Concrete, Add	*60.67*	
		For 4,000 PSI Concrete, Add	*91.00*	
		For 4,500 PSI Concrete, Add	*121.34*	
		For 5,000 PSI Concrete, Add	*182.01*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

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

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	270.53	216.45
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	300.74	240.55
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	338.54	270.85
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	362.29	289.82
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	387.20	309.76
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	415.79	332.61
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	452.20	361.74
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	491.69	393.40

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

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

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	303.03	242.40
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	336.87	269.48
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	379.21	303.41
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	405.82	324.62
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	433.72	346.97
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	465.74	372.61
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	506.53	405.19
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	550.75	440.57
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	608.73	487.02
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	673.74	538.97
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	762.58	610.10
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	867.44	693.96
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,005.73	804.60

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	24.86	
		For 3,500 PSI Concrete, Add	*0.50*	
		For 4,000 PSI Concrete, Add	*0.75*	
		For 4,500 PSI Concrete, Add	*0.99*	
		For 5,000 PSI Concrete, Add	*1.49*	
		For White Facing, Add	*4.97*	
		For Solid White Through Thickness, Add	*4.97*	
		For Broken Rib Finish, Add	*2.49*	
		For Fluted Surface, Add	*2.49*	
		For Exposed Aggregate, Add	*4.97*	
		For Sandblasting Of Surface, Add	*2.49*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	30.58	
		For 3,500 PSI Concrete, Add	*0.61*	
		For 4,000 PSI Concrete, Add	*0.92*	
		For 4,500 PSI Concrete, Add	*1.22*	
		For 5,000 PSI Concrete, Add	*1.83*	
		For White Facing, Add	*6.12*	
		For Solid White Through Thickness, Add	*6.12*	
		For Broken Rib Finish, Add	*3.06*	
		For Fluted Surface, Add	*3.06*	
		For Exposed Aggregate, Add	*6.12*	
		For Sandblasting Of Surface, Add	*3.06*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	36.80	
		For 3,500 PSI Concrete, Add	*0.74*	
		For 4,000 PSI Concrete, Add	*1.10*	
		For 4,500 PSI Concrete, Add	*1.47*	
		For 5,000 PSI Concrete, Add	*2.21*	
		For White Facing, Add	*7.36*	
		For Solid White Through Thickness, Add	*7.36*	
		For Broken Rib Finish, Add	*3.68*	
		For Fluted Surface, Add	*3.68*	
		For Exposed Aggregate, Add	*7.36*	
		For Sandblasting Of Surface, Add	*3.68*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	48.49	
		For 3,500 PSI Concrete, Add	*0.97*	
		For 4,000 PSI Concrete, Add	*1.45*	
		For 4,500 PSI Concrete, Add	*1.94*	
		For 5,000 PSI Concrete, Add	*2.91*	
		For White Facing, Add	*9.70*	
		For Solid White Through Thickness, Add	*9.70*	
		For Broken Rib Finish, Add	*4.85*	
		For Fluted Surface, Add	*4.85*	
		For Exposed Aggregate, Add	*9.70*	
		For Sandblasting Of Surface, Add	*4.85*	
		For 2" Polystyrene Insulation, Add	*1.15*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

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

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	218.97	175.15
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	243.42	194.76
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	274.02	219.21
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	313.41	250.73
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	336.55	269.26
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	366.02	292.81
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	397.98	318.42
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	439.87	351.91

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

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

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	270.53	216.45
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	300.74	240.55
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	338.54	270.85
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	387.20	309.76
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	415.79	332.61
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	452.20	361.74
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	491.69	393.40
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	543.44	434.73
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	601.47	481.20
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	680.80	544.60
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	774.40	619.53
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	897.86	718.26

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

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	23.62	
		For 4,000 PSI Concrete, Add	*0.71*	
		For 4,500 PSI Concrete, Add	*0.94*	
		For 5,000 PSI Concrete, Add	*1.42*	
		For White Facing, Add	*4.72*	
		For Solid White Through Thickness, Add	*4.72*	
		For Broken Rib Finish, Add	*2.36*	
		For Fluted Surface, Add	*2.36*	
		For Exposed Aggregate, Add	*4.72*	
		For Sandblasting Of Surface, Add	*2.36*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	29.09	
		For 4,000 PSI Concrete, Add	*0.87*	
		For 4,500 PSI Concrete, Add	*1.16*	
		For 5,000 PSI Concrete, Add	*1.75*	
		For White Facing, Add	*5.82*	
		For Solid White Through Thickness, Add	*5.82*	
		For Broken Rib Finish, Add	*2.91*	
		For Fluted Surface, Add	*2.91*	
		For Exposed Aggregate, Add	*5.82*	
		For Sandblasting Of Surface, Add	*2.91*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	34.81	
		For 4,000 PSI Concrete, Add	*1.04*	
		For 4,500 PSI Concrete, Add	*1.39*	
		For 5,000 PSI Concrete, Add	*2.09*	
		For White Facing, Add	*6.96*	
		For Solid White Through Thickness, Add	*6.96*	
		For Broken Rib Finish, Add	*3.48*	
		For Fluted Surface, Add	*3.48*	
		For Exposed Aggregate, Add	*6.96*	
		For Sandblasting Of Surface, Add	*3.48*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	46.00	
		For 4,000 PSI Concrete, Add	*1.38*	
		For 4,500 PSI Concrete, Add	*1.84*	
		For 5,000 PSI Concrete, Add	*2.76*	
		For White Facing, Add	*9.20*	
		For Solid White Through Thickness, Add	*9.20*	
		For Broken Rib Finish, Add	*4.60*	
		For Fluted Surface, Add	*4.60*	
		For Exposed Aggregate, Add	*9.20*	
		For Sandblasting Of Surface, Add	*4.60*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

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

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

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	285.49	228.36
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	319.35	255.46
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	362.29	289.82
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	387.20	309.76
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	415.79	332.61
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	452.20	361.74
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	491.69	393.40
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	543.44	434.73

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

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

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	319.79	255.80
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	357.71	286.16
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	405.82	324.62
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	433.72	346.97
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	465.74	372.61
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	506.53	405.19
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	550.75	440.57
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	608.73	487.02
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	673.74	538.97
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	762.58	610.10
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	867.44	693.96
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,005.73	804.60

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	23.62	
		For 3,500 PSI Concrete, Add	*0.47*	
		For 4,000 PSI Concrete, Add	*0.71*	
		For 4,500 PSI Concrete, Add	*0.94*	
		For 5,000 PSI Concrete, Add	*1.42*	
		For White Facing, Add	*4.72*	
		For Solid White Through Thickness, Add	*4.72*	
		For Broken Rib Finish, Add	*2.36*	
		For Fluted Surface, Add	*2.36*	
		For Exposed Aggregate, Add	*4.72*	
		For Sandblasting Of Surface, Add	*2.36*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	29.09	
		For 3,500 PSI Concrete, Add	*0.58*	
		For 4,000 PSI Concrete, Add	*0.87*	
		For 4,500 PSI Concrete, Add	*1.16*	
		For 5,000 PSI Concrete, Add	*1.75*	
		For White Facing, Add	*5.82*	
		For Solid White Through Thickness, Add	*5.82*	
		For Broken Rib Finish, Add	*2.91*	
		For Fluted Surface, Add	*2.91*	
		For Exposed Aggregate, Add	*5.82*	
		For Sandblasting Of Surface, Add	*2.91*	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	34.81	
		For 3,500 PSI Concrete, Add	*0.70*	
		For 4,000 PSI Concrete, Add	*1.04*	
		For 4,500 PSI Concrete, Add	*1.39*	
		For 5,000 PSI Concrete, Add	*2.09*	
		For White Facing, Add	*6.96*	
		For Solid White Through Thickness, Add	*6.96*	
		For Broken Rib Finish, Add	*3.48*	
		For Fluted Surface, Add	*3.48*	
		For Exposed Aggregate, Add	*6.96*	
		For Sandblasting Of Surface, Add	*3.48*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	46.00	
		For 3,500 PSI Concrete, Add	*0.92*	
		For 4,000 PSI Concrete, Add	*1.38*	
		For 4,500 PSI Concrete, Add	*1.84*	
		For 5,000 PSI Concrete, Add	*2.76*	
		For White Facing, Add	*9.20*	
		For Solid White Through Thickness, Add	*9.20*	
		For Broken Rib Finish, Add	*4.60*	
		For Fluted Surface, Add	*4.60*	
		For Exposed Aggregate, Add	*9.20*	
		For Sandblasting Of Surface, Add	*4.60*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

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

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	285.49	228.36
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	319.35	255.46
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	362.29	289.82
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	387.20	309.76
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	415.79	332.61
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	452.20	361.74
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	491.69	393.40
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	543.44	434.73

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

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

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	288.29	230.60
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	322.48	257.97
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	365.85	292.67
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	391.00	312.80
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	419.87	335.87
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	456.64	365.29
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	496.52	397.26
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	548.78	438.99
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	607.38	485.92
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	687.48	549.94
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	782.01	625.61
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	906.68	725.31

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

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

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	32.32	
		For 3,500 PSI Concrete, Add	*0.65*	
		For 4,000 PSI Concrete, Add	*0.97*	
		For 4,500 PSI Concrete, Add	*1.29*	
		For 5,000 PSI Concrete, Add	*1.94*	
		For White Facing, Add	*6.46*	
		For Solid White Through Thickness, Add	*6.46*	
		For Broken Rib Finish, Add	*3.23*	
		For Fluted Surface, Add	*3.23*	
		For Exposed Aggregate, Add	*6.46*	
		For Sandblasting Of Surface, Add	*3.23*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	38.04	
		For 3,500 PSI Concrete, Add	*0.76*	
		For 4,000 PSI Concrete, Add	*1.14*	
		For 4,500 PSI Concrete, Add	*1.52*	
		For 5,000 PSI Concrete, Add	*2.28*	
		For White Facing, Add	*7.61*	
		For Solid White Through Thickness, Add	*7.61*	
		For Broken Rib Finish, Add	*3.80*	
		For Fluted Surface, Add	*3.80*	
		For Exposed Aggregate, Add	*7.61*	
		For Sandblasting Of Surface, Add	*3.80*	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	44.26	
		For 3,500 PSI Concrete, Add	*0.89*	
		For 4,000 PSI Concrete, Add	*1.33*	
		For 4,500 PSI Concrete, Add	*1.77*	
		For 5,000 PSI Concrete, Add	*2.66*	
		For White Facing, Add	*8.85*	
		For Solid White Through Thickness, Add	*8.85*	
		For Broken Rib Finish, Add	*4.43*	
		For Fluted Surface, Add	*4.43*	
		For Exposed Aggregate, Add	*8.85*	
		For Sandblasting Of Surface, Add	*4.43*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	55.95	
		For 3,500 PSI Concrete, Add	*1.12*	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.36*	
		For White Facing, Add	*11.19*	
		For Solid White Through Thickness, Add	*11.19*	
		For Broken Rib Finish, Add	*5.60*	
		For Fluted Surface, Add	*5.60*	
		For Exposed Aggregate, Add	*11.19*	
		For Sandblasting Of Surface, Add	*5.60*	

03 41 23 Precast Concrete Stairs *(03 41)*

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

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

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	300.74	240.55
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	319.35	255.46
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	338.54	270.85
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	362.29	289.82
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	387.20	309.76
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	415.79	332.61
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	452.20	361.74
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	491.69	393.40

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

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

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	300.74	240.55
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	319.35	255.46
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	338.54	270.85
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	362.29	289.82
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	387.20	309.76
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	415.79	332.61
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	452.20	361.74
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	491.69	393.40

03 41 23 00-0019 Material Cost *(03 41 23)*

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

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	498.31	
		For 3,500 PSI Concrete, Add	*65.03*	
		For 4,000 PSI Concrete, Add	*122.19*	
		For 4,500 PSI Concrete, Add	*179.59*	
		For 5,000 PSI Concrete, Add	*244.32*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	379.21	303.41
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	405.82	324.62
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	433.72	346.97
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	465.74	372.61
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	475.93	380.71
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	509.33	407.49
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	544.34	435.47
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	584.53	467.59
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	635.72	508.64
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	691.23	552.94
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	763.98	611.18
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	845.58	676.50
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	99.65	
		For 3,500 PSI Concrete, Add	*2.72*	
		For 4,000 PSI Concrete, Add	*4.09*	
		For 4,500 PSI Concrete, Add	*5.44*	
		For 5,000 PSI Concrete, Add	*8.17*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	124.56	
		For 3,500 PSI Concrete, Add	*3.40*	
		For 4,000 PSI Concrete, Add	*5.11*	
		For 4,500 PSI Concrete, Add	*6.80*	
		For 5,000 PSI Concrete, Add	*10.21*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	149.47	
		For 3,500 PSI Concrete, Add	*4.08*	
		For 4,000 PSI Concrete, Add	*6.13*	
		For 4,500 PSI Concrete, Add	*8.16*	
		For 5,000 PSI Concrete, Add	*12.26*	
03 41 26 00-0021		**3,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	124.56	
		For 3,500 PSI Concrete, Add	*3.40*	
		For 4,000 PSI Concrete, Add	*5.11*	
		For 4,500 PSI Concrete, Add	*6.80*	
		For 5,000 PSI Concrete, Add	*10.21*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	149.47	
		For 3,500 PSI Concrete, Add	*4.08*	
		For 4,000 PSI Concrete, Add	*6.13*	
		For 4,500 PSI Concrete, Add	*8.16*	
		For 5,000 PSI Concrete, Add	*12.26*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	199.30	
		For 3,500 PSI Concrete, Add	*5.44*	
		For 4,000 PSI Concrete, Add	*8.17*	
		For 4,500 PSI Concrete, Add	*10.88*	
		For 5,000 PSI Concrete, Add	*16.34*	
03 41 26 00-0025		**5,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	174.38	
		For 3,500 PSI Concrete, Add	*4.76*	
		For 4,000 PSI Concrete, Add	*7.15*	
		For 4,500 PSI Concrete, Add	*9.52*	
		For 5,000 PSI Concrete, Add	*14.30*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	199.30	
		For 3,500 PSI Concrete, Add	*5.44*	
		For 4,000 PSI Concrete, Add	*8.17*	
		For 4,500 PSI Concrete, Add	*10.88*	
		For 5,000 PSI Concrete, Add	*16.34*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	249.12	
		For 3,500 PSI Concrete, Add	*6.80*	
		For 4,000 PSI Concrete, Add	*10.21*	
		For 4,500 PSI Concrete, Add	*13.60*	
		For 5,000 PSI Concrete, Add	*20.43*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030		Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	218.74	174.98
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	232.56	186.02
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	249.24	199.41
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	267.35	213.87
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	288.29	230.60
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	312.80	250.25
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	341.86	273.50
03 41 26 00-0038		Material Cost *(03 41 26 00-0029)*		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		12" x 12" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	515.76	
		For 3,500 PSI Concrete, Add	*38.68*	
		For 4,000 PSI Concrete, Add	*72.72*	
		For 4,500 PSI Concrete, Add	*107.28*	
		For 5,000 PSI Concrete, Add	*145.96*	
03 41 26 00-0041		16" x 16" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	528.49	
		For 3,500 PSI Concrete, Add	*39.64*	
		For 4,000 PSI Concrete, Add	*74.52*	
		For 4,500 PSI Concrete, Add	*109.93*	
		For 5,000 PSI Concrete, Add	*149.56*	
03 41 26 00-0043		20" x 20" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	529.51	
		For 3,500 PSI Concrete, Add	*39.71*	
		For 4,000 PSI Concrete, Add	*74.66*	
		For 4,500 PSI Concrete, Add	*110.14*	
		For 5,000 PSI Concrete, Add	*149.85*	
03 41 26 00-0045		24" x 24" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	529.51	
		For 3,500 PSI Concrete, Add	*39.71*	
		For 4,000 PSI Concrete, Add	*74.66*	
		For 4,500 PSI Concrete, Add	*110.14*	
		For 5,000 PSI Concrete, Add	*149.85*	
03 41 26 00-0047		28" x 28" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	529.51	
		For 3,500 PSI Concrete, Add	*39.71*	
		For 4,000 PSI Concrete, Add	*74.66*	
		For 4,500 PSI Concrete, Add	*110.14*	
		For 5,000 PSI Concrete, Add	*149.85*	
03 41 26 00-0049		32" x 32" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	528.49	
		For 3,500 PSI Concrete, Add	*39.64*	
		For 4,000 PSI Concrete, Add	*74.52*	
		For 4,500 PSI Concrete, Add	*109.93*	
		For 5,000 PSI Concrete, Add	*149.56*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	529.51	
		For 3,500 PSI Concrete, Add	*39.71*	
		For 4,000 PSI Concrete, Add	*74.66*	
		For 4,500 PSI Concrete, Add	*110.14*	
		For 5,000 PSI Concrete, Add	*149.85*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	11.05	1.79
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	13.65	1.79
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	16.28	1.88
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	18.92	1.97
03 41 33 00-0006		Tee Members *(03 41 33)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007		**Multiple Tee, Roof And Floor** *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	24.34	2.33
03 41 33 00-0009		**Double Tee Wall Member** *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	35.35	6.34
03 41 33 00-0011		**Single Tee, Short Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	28.94	3.84
03 41 33 00-0013		**Single Tee, Long Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	34.36	3.30
03 41 33 00-0015		**Prestressed Concrete Items** *(03 41 33)*		
03 41 33 00-0016		**Prestressed Quad Tee** *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	17.34	0.71
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	18.09	0.71
03 41 33 00-0019		**Prestressed Double Tee** *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	28.67	0.62
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	39.42	0.62
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	19.75	1.07
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	30.35	0.71
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	21.49	1.42
03 41 33 00-0025		**Prestressed Single Tee** *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	34.20	1.60
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	39.34	0.98
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	51.93	0.89
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	54.67	0.89
03 41 33 00-0030		**Prestressed Double Tee Floor Members** *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	8,792.76	257.20
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	9,575.91	285.77
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	15,973.94	321.50
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	3,481.49	233.89
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	4,557.15	257.20
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	5,802.92	257.20
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	6,461.48	285.77
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	8,250.17	321.50
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	14,785.79	367.57
03 41 33 00-0040		**Prestressed Double Tee Roof Members** *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	6,924.11	257.20
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	9,077.60	285.77
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	14,852.75	321.50
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	4,652.51	233.89
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	4,905.96	257.20
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	5,429.19	257.20
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	5,589.44	285.77
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	7,378.13	321.50
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	12,667.98	367.57
03 41 33 00-0050		**Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab** *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	18.29	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	19.05	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	20.00	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	20.70	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	22.20	
03 41 33 00-0056		**Double And Single Tees** *(03 41 33)*		
03 41 33 00-0057		**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	22.19	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	21.66	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	20.44	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	22.19	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	22.10	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	33.86	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	33.09	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	30.98	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	33.86	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	31.75	
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	22.87	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	22.33	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	21.57	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	22.87	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	22.10	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	34.75	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	33.99	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	32.78	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	34.75	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	33.77	
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	24.12	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	23.35	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	22.57	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	36.90	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	35.68	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	34.23	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	24.86	3.06

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	124.54	56.07
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	149.36	67.19

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	1,968.38
		For 3,500 PSI Concrete, Add	*128.44*
		For 4,000 PSI Concrete, Add	*241.32*
		For 4,500 PSI Concrete, Add	*354.70*
		For 5,000 PSI Concrete, Add	*482.55*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,043.13
		For 3,500 PSI Concrete, Add	*133.31*
		For 4,000 PSI Concrete, Add	*250.49*
		For 4,500 PSI Concrete, Add	*368.17*
		For 5,000 PSI Concrete, Add	*500.87*
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,117.88
		For 3,500 PSI Concrete, Add	*138.19*
		For 4,000 PSI Concrete, Add	*259.65*
		For 4,500 PSI Concrete, Add	*381.64*
		For 5,000 PSI Concrete, Add	*519.20*
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,217.54
		For 3,500 PSI Concrete, Add	*144.69*
		For 4,000 PSI Concrete, Add	*271.87*
		For 4,500 PSI Concrete, Add	*399.60*
		For 5,000 PSI Concrete, Add	*543.63*

03 48 22 Precast Concrete Sun Screen And Trellis *(03 48)*

03 48 22 00-0001 Sun Screen Blades *(03 48 22)*

03 48 22 00-0002 Installation Cost *(03 48 22 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	62.27	28.03
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	74.81	33.64
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	93.48	42.09

03 48 22 00-0006 Material Cost *(03 48 22 00-0001)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	2,092.96	
		For 3,500 PSI Concrete, Add	*136.57*	
		For 4,000 PSI Concrete, Add	*256.60*	
		For 4,500 PSI Concrete, Add	*377.15*	
		For 5,000 PSI Concrete, Add	*513.09*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	2,167.71	
		For 3,500 PSI Concrete, Add	*141.44*	
		For 4,000 PSI Concrete, Add	*265.76*	
		For 4,500 PSI Concrete, Add	*390.62*	
		For 5,000 PSI Concrete, Add	*531.41*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	2,267.38	
		For 3,500 PSI Concrete, Add	*147.95*	
		For 4,000 PSI Concrete, Add	*277.98*	
		For 4,500 PSI Concrete, Add	*408.58*	
		For 5,000 PSI Concrete, Add	*555.85*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	2,367.04	
		For 3,500 PSI Concrete, Add	*154.45*	
		For 4,000 PSI Concrete, Add	*290.20*	
		For 4,500 PSI Concrete, Add	*426.54*	
		For 5,000 PSI Concrete, Add	*580.28*	
03 48 22 00-0011		Sun Screen/Trellis Units *(03 48 22)*		
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	285.49	128.45
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	319.35	143.75
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	362.29	163.02
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	387.20	174.24
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	2,416.87	
		For 3,500 PSI Concrete, Add	*157.70*	
		For 4,000 PSI Concrete, Add	*296.31*	
		For 4,500 PSI Concrete, Add	*435.52*	
		For 5,000 PSI Concrete, Add	*592.50*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	2,491.62	
		For 3,500 PSI Concrete, Add	*162.58*	
		For 4,000 PSI Concrete, Add	*305.47*	
		For 4,500 PSI Concrete, Add	*448.99*	
		For 5,000 PSI Concrete, Add	*610.82*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	2,591.29	
		For 3,500 PSI Concrete, Add	*169.08*	
		For 4,000 PSI Concrete, Add	*317.69*	
		For 4,500 PSI Concrete, Add	*466.95*	
		For 5,000 PSI Concrete, Add	*635.25*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	2,715.87	
		For 3,500 PSI Concrete, Add	*177.21*	
		For 4,000 PSI Concrete, Add	*332.97*	
		For 4,500 PSI Concrete, Add	*489.40*	
		For 5,000 PSI Concrete, Add	*665.80*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	277.81	222.25
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	311.32	249.07
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	352.00	281.59
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	375.47	300.37
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	293.61	234.93
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	329.54	263.58
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	373.20	298.53
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	399.69	319.73
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	563.20	450.60
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	680.80	544.60
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	755.51	604.42
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	848.66	678.96
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	308.22	246.55

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	344.18	275.30
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	392.10	313.63
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	418.59	334.83

03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*

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

03 48 24 00-0023 L - Shaped Segments *(03 48 24 00-0022)*

03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	280.54	224.43
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	314.37	251.52
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	355.46	284.35
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	379.16	303.32

03 48 24 00-0028 O - Shaped Segment *(03 48 24 00-0022)*

03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	296.50	237.24
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	332.77	266.17
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	376.87	301.47
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	403.62	322.87

03 48 24 00-0033 Platform Segment *(03 48 24 00-0022)*

03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	453.33	362.66
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	548.78	438.99
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	607.38	485.92
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	687.48	549.94

03 48 24 00-0038 Cap Segment *(03 48 24 00-0022)*

03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	311.25	248.97
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	347.56	278.00
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	395.95	316.71
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	422.70	338.12

03 48 24 00-0043 Material Costs *(03 48 24)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	5,979.56
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	5,979.56
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	5,979.56
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	5,979.56

03 48 29 Precast Accessories *(03 48)*

Note: Includes installation labor, material and equipment.

03 48 29 00-0001 Bearing Pads For Precast Members *(03 48 29)*

03 48 29 00-0002 Continuous 2" Wide Strips *(03 48 29 00-0001)*

03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.18
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.74
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	2.95
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.18
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	5.46
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	7.88

03 48 29 00-0009 Bearing Pad Pipe Supports *(03 48 29)*

03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	81.01
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	51.80
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	9.68

03 48 46 Precast Skylight Shells *(03 48)*

03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	405.82	182.65
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	450.62	202.78
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	506.53	227.94

03 48 46 00-0005 Material Cost *(03 48 46)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	2,501.66	

03 48 49 Precast Landings *(03 48)*

03 48 49 00-0001	SF	3" Thick Precast Landing	64.74	
03 48 49 00-0002	SF	4" Thick Precast Landing	75.37	
03 48 49 00-0003	SF	5" Thick Precast Landing	85.78	
03 48 49 00-0004	SF	6" Thick Precast Landing	98.94	

03 48 54 Precast Concrete Blocks *(03 48)*

03 48 54 00-0001 Precast Concrete Blocks *(03 48 54)*

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block	86.89	32.80
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block	124.00	41.00
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block	206.20	49.20

03 50 Cast Decks And Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks *(03 51 13)*

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.28	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.41	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.57	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.07	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.61	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.24	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.99	

03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout *(03 51 13)*

03 51 13 00-0010	SF	6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.31	
03 51 13 00-0011	SF	8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	2.06	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck *(03 51 16)*

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	7.03	0.44
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	8.69	0.51
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	10.36	0.59
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.05	0.67
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	13.77	0.74

03 51 16 00-0007 Formboard For Lightweight Deck *(03 51 16)*

03 51 16 00-0008	SF	Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck	1.70	
03 51 16 00-0009	SF	Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck	2.21	
03 51 16 00-0010	SF	Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck	4.43	
03 51 16 00-0011	SF	Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck	1.87	0.48
03 51 16 00-0012	SF	Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck	2.26	0.48
03 51 16 00-0013	SF	Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck	2.46	0.48
03 51 16 00-0014	SF	Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck	3.03	0.48

03 51 16 00-0015 Board Deck Supports For Formboard *(03 51 16)*

03 51 16 00-0016	SF	Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span	0.70	0.18
03 51 16 00-0017	SF	Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span	1.17	0.26

03 51 16 00-0018 Gypsum Plank *(03 51 16)*

03 51 16 00-0019	SF	Insulating Concrete Gypsum Plank, 2" Thick Roof Deck	3.45	
03 51 16 00-0020	SF	Insulating Concrete Gypsum Plank, 3" Thick Roof Deck	4.60	

03 52 Lightweight Concrete Roof Insulation *(03 50)*

03 52 16 Lightweight Insulating Concrete *(03 52)*

Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.

03 52 16 00-0001 Lightweight Insulating Concrete Plank Roof Deck *(03 52 16)*

03 52 16 00-0002	SF	2" Thick, Lightweight Insulating Concrete Plank Roof Deck	5.59	
		For >4 To 12 Pitch, Add	*0.34*	
		For >6 To 12 Pitch, Add	*2.01*	
03 52 16 00-0003	SF	2-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck	6.51	
		For >4 To 12 Pitch, Add	*0.37*	
		For >6 To 12 Pitch, Add	*2.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 52 16 00-0004	SF	3" Thick, Lightweight Insulating Concrete Plank Roof Deck	7.51	
		For >4 To 12 Pitch, Add	*0.40*	
		For >6 To 12 Pitch, Add	*2.39*	
03 52 16 00-0005	SF	3-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck	7.87	
		For >4 To 12 Pitch, Add	*0.43*	
		For >6 To 12 Pitch, Add	*2.58*	
03 52 16 00-0006	SF	4" Thick, Lightweight Insulating Concrete Plank Roof Deck	8.17	
		For >4 To 12 Pitch, Add	*0.45*	
		For >6 To 12 Pitch, Add	*2.70*	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 00 00-0001 Integral Topping Including Hard Trowel Finish *(03 53)*

Note: Using 1:1:2 mix.

03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.04
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.32
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.73
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.24
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.68
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.08
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.59

03 53 00 00-0009 Granolithic Topping Laid After *(03 53)*

Note: Using 1:1:1-1/2 mix.

03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.44
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.74
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.77

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.96
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	3.06
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.26
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.46
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	9.65
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	12.58
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	14.05
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	18.45

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	388.84

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	21.73
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	32.66

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	33.51
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	54.32

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.70
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.23
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.94

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.52	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.38	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.50	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	27.91	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	43.47	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.35	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.70	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.26	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.84	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.33	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.12	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,084.33	
		For >4, Deduct	*-115.07*	

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	138.22	
		For >4, Deduct	*-33.27*	

03 80 Concrete Cutting And Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance Of Masonry *(04)*

04 01 20 Maintenance Of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	24.04	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.27	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	49.56	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	26.69	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	40.98	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	56.63	
		For Up To 10, Add	*8.56*	
		For >10 To 50, Add	*4.28*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.37	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.32	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	227.63	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.37	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.32	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.23	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	89.09	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	227.63	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*		
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.16	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.37	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	259.17	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.16	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.37	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	80.54	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	97.93	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	259.17	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.77	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.01	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.77	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.26	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.14	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.77	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.01	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.77	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.26	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.27	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.14	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.85	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.30	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.39	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.57	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.90	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.17	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.31	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.48	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.28	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.39	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.35	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.16	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.86	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.30	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.48	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.37	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.00	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.49	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.92	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.31	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.56	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.73	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.02	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.14	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.70	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.51	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.18	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.62	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.18	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.17	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.05	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.34	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.52	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.66	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.06	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.70	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.93	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.56	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.79	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.34	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.73	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.98	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.15	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.56	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	4.79	
		For Up To 10, Add	*2.57*	
		For >10 To 50, Add	*1.29*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.56	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.12	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.23	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.46	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.87	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.20	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.38	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.60	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.43	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.58	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.77	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.78	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.65	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.71	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.18	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	24.79	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.85	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.40	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.94	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.43	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.74	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.95	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.32	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.46	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.12	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.03	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.87	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.92	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.66	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	24.40	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	29.38	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.19	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.50	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.72	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.89	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.39	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.19	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.45	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.23	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.99	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.68	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.16	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.47	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.68	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.20	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
		For Metal Stud Clip, Add	*2.67*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.34	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.57*	
		For >10 To 50, Add	*1.29*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.11	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.17	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.50	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.59	
		For Up To 10, Add	*5.13*	
		For >10 To 50, Add	*2.57*	

04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.

04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	45.48	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	

04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	47.23	
		For Up To 10, Add	*34.22*	
		For >10 To 50, Add	*17.11*	

04 01 20 51 Unit Masonry Maintenance *(04 01 20)*

04 01 20 51-0001 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0002	SF	Grind Smooth Masonry Wall	3.14	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

04 01 20 52-0001 Cleaning And Repointing Masonry *(04 01 20 52)*

Note: Includes mortar for pointing. Excludes removing mortar.

04 01 20 52-0002	SF	Clean And Repoint Brick Masonry	2.08	
04 01 20 52-0003	SF	Clean And Repoint Concrete Block Masonry	1.38	
04 01 20 52-0004	SF	Clean And Repoint Brick On Historic Buildings	2.71	

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0002	SF	Cut And Repoint Brick, Hard Intact Mortar, Running Bond	8.42	
		For Common Bond, Add	*0.32*	
		For Flemish Bond, Add	*1.12*	
		For English Bond, Add	*1.84*	
		For Oversized Or Larger Than Standard, Deduct	*-1.26*	
		For >250 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.82*	
04 01 20 91-0003	SF	Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	5.84	
		For Common Bond, Add	*0.22*	
		For Flemish Bond, Add	*0.76*	
		For English Bond, Add	*1.25*	
		For Oversized Or Larger Than Standard, Deduct	*-0.88*	
		For >250 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.56*	
04 01 20 91-0004	SF	Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond	4.33	
		For Common Bond, Add	*0.16*	
		For Oversized Or Larger Than Standard, Deduct	*-0.65*	
		For >250 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.41*	
04 01 20 91-0005	SF	Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	3.08	
		For Common Bond, Add	*0.11*	
		For Oversized Or Larger Than Standard, Deduct	*-0.46*	
		For >250 To 1,000, Deduct	*-0.13*	
		For >1,000, Deduct	*-0.29*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.45	
04 01 20 91-0007		Cut And Caulk Masonry *(04 01 20 91)* Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.		
04 01 20 91-0008	LF	Cut And Caulk Masonry, Butyl Caulks	4.62	
		For Vertical Expansion Joint Material, Add	*0.19*	
		For 3/4" Deep Cut, Add	*1.39*	
04 01 20 91-0009	LF	Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks	5.80	
		For Vertical Expansion Joint Material, Add	*0.19*	
		For 3/4" Deep Cut, Add	*1.74*	
04 01 20 91-0010	LF	Cut And Caulk Masonry, Silicone Caulks	6.89	
		For Vertical Expansion Joint Material, Add	*0.23*	
		For 3/4" Deep Cut, Add	*2.07*	
04 01 20 91-0011		Repair Masonry *(04 01 20 91)* Note: Includes mortar for repair.		
04 01 20 91-0012	SF	Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	14.31	
04 01 20 91-0013	SF	Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material	13.22	
04 01 20 91-0014	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	3.88	
04 01 20 91-0015	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	6.95	
04 01 20 91-0016	LF	Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	369.74	
04 01 20 91-0017	LF	Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base)	105.49	
04 01 20 91-0018	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	24.41	
		For Cracks Accessible From Both Sides, Add	*4.94*	
04 01 20 91-0019	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	22.43	
		For Cracks Accessible From Both Sides, Add	*4.94*	
04 01 20 91-0020	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	6.34	
		For V-Grooving Crack With Grinder, Add	*4.47*	
04 01 20 91-0021	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	8.61	
		For V-Grooving Crack With Grinder, Add	*4.24*	

04 01 40 Maintenance of Stone Assemblies *(04 01)*

04 01 40 52 Stone Cleaning *(04 01 40)*

04 01 40 52-0001 Cleaning And Pointing Stone *(04 01 40 52)*

04 01 40 52-0002	SF	Clean And Repoint Limestone On Historic Buildings	2.28	
04 01 40 52-0003	SF	Clean And Repoint Marble, Tile, Stone Or Granite	1.97	

04 01 40 91 Stone Restoration *(04 01 40)*

04 01 40 91-0001 Cut And Repoint *(04 01 40 91)*

04 01 40 91-0002	LF	Cut And Repoint Stone Work	4.98	

04 01 40 91-0003 Repair *(04 01 40 91)*

04 01 40 91-0004	SF	Repair Field Stone Walls, Including Remove Damaged Stones And Reset	32.88	
04 01 40 91-0005	SF	Repair Molded Stone	3.49	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 40 91-0006		Clean And Patch Existing Stonework *(04 01 40 91)*		
		Note: Excludes cutting, drilling or anchor bolts if required.		
04 01 40 91-0007	SF	Clean And Patch Existing Stonework	3.60	
04 01 40 91-0008		Removal Of Deteriorated Stone *(04 01 40 91)*		
		Note: Includes cutting of stone for removal.		
04 01 40 91-0009	SF	Removal Of Deteriorated Stone	7.93	
		Note: Does not include material for stone replacement		

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Cleaning *(04 01 50)*

04 01 50 52-0001		Chimney Cleaning *(04 01 50 52)*		
04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	5.44	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	10.86	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	16.29	

04 05 Common Work Results For Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001		Masonry Cement Mortar *(04 05 13 26)*		
		Note: Ratio is bag material to sand.		
04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	4.94	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	4.56	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	4.68	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	5.12	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	5.40	
04 05 13 26-0007		Mortar Admixture *(04 05 13 26)*		
04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.38	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.07	
04 05 13 26-0010		Color Admixtures For Mortar *(04 05 13 26)*		
		Note: Costs are based on CF of mortar.		
04 05 13 26-0011	CF	Buff Colored Admixture	2.42	
04 05 13 26-0012	CF	Brown Colored Admixture	2.74	
04 05 13 26-0013	CF	Black Colored Admixture	3.39	
04 05 13 26-0014	CF	Red Colored Admixture	7.43	
04 05 13 26-0015		Portland Cement *(04 05 13 26)*		
04 05 13 26-0016	CF	Normal Portland Cement (Type I)	12.87	
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	6.42	
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III)	6.82	
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I)	14.27	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Does not include reinforcement.

04 05 16 26-0001		Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*		
		Note: Excludes block.		
04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	3.83	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	4.19	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	4.69	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	5.25	
04 05 16 26-0006		Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	2.96	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	4.34	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	6.19	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	7.63	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	9.01	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 16 26-0012		Grout Cavity Walls, Grout Fill *(04 05 16 26)* Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	3.53	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	4.98	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	6.26	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	8.52	
04 05 16 26-0017		Grout Frames, Grout Fill *(04 05 16 26)*		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	5.64	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	4.84	
04 05 16 26-0020		Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021		Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)* Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	2.93	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	4.04	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	4.99	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	6.67	

04 05 19 Masonry Anchorage And Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	51.89	
		For Hot-Dipped Galvanized, Add	*9.20*	
		For Stainless Steel, Add	*36.80*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	55.11	
		For Hot-Dipped Galvanized, Add	*9.67*	
		For Stainless Steel, Add	*38.66*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	59.41	
		For Hot-Dipped Galvanized, Add	*10.19*	
		For Stainless Steel, Add	*40.74*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	64.50	
		For Hot-Dipped Galvanized, Add	*10.78*	
		For Stainless Steel, Add	*43.12*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	70.42	
		For Hot-Dipped Galvanized, Add	*11.36*	
		For Stainless Steel, Add	*45.42*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.79	
		For Hot-Dipped Galvanized, Add	*11.64*	
		For Stainless Steel, Add	*46.54*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.01	
		For Hot-Dipped Galvanized, Add	*11.96*	
		For Stainless Steel, Add	*47.84*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.42	
		For Hot-Dipped Galvanized, Add	*16.44*	
		For Stainless Steel, Add	*65.76*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.80	
		For Hot-Dipped Galvanized, Add	*25.42*	
		For Stainless Steel, Add	*101.66*	
04 05 19 13-0014		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.10	
		For Hot-Dipped Galvanized, Add	*14.30*	
		For Stainless Steel, Add	*57.20*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.42	
		For Hot-Dipped Galvanized, Add	*14.82*	
		For Stainless Steel, Add	*59.28*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.84	
		For Hot-Dipped Galvanized, Add	*15.40*	
		For Stainless Steel, Add	*61.60*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.81	
		For Hot-Dipped Galvanized, Add	*15.94*	
		For Stainless Steel, Add	*63.74*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.71	
		For Hot-Dipped Galvanized, Add	*16.50*	
		For Stainless Steel, Add	*66.00*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.12	
		For Hot-Dipped Galvanized, Add	*16.81*	
		For Stainless Steel, Add	*67.22*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.28	
		For Hot-Dipped Galvanized, Add	*17.09*	
		For Stainless Steel, Add	*68.36*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.98	
		For Hot-Dipped Galvanized, Add	*23.23*	
		For Stainless Steel, Add	*92.90*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.06	
		For Hot-Dipped Galvanized, Add	*37.05*	
		For Stainless Steel, Add	*148.20*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	71.99	
		For Hot-Dipped Galvanized, Add	*19.25*	
		For Stainless Steel, Add	*76.98*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.67	
		For Hot-Dipped Galvanized, Add	*20.30*	
		For Stainless Steel, Add	*81.20*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.37	
		For Hot-Dipped Galvanized, Add	*21.36*	
		For Stainless Steel, Add	*85.44*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.19	
		For Hot-Dipped Galvanized, Add	*22.63*	
		For Stainless Steel, Add	*90.50*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.99	
		For Hot-Dipped Galvanized, Add	*23.88*	
		For Stainless Steel, Add	*95.52*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.63	
		For Hot-Dipped Galvanized, Add	*24.56*	
		For Stainless Steel, Add	*98.22*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.94	
		For Hot-Dipped Galvanized, Add	*25.14*	
		For Stainless Steel, Add	*100.54*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.12	
		For Hot-Dipped Galvanized, Add	*26.29*	
		For Stainless Steel, Add	*105.16*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.32	
		For Hot-Dipped Galvanized, Add	*43.68*	
		For Stainless Steel, Add	*174.70*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.39	
		For Hot-Dipped Galvanized, Add	*20.95*	
		For Stainless Steel, Add	*83.78*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.58	
		For Hot-Dipped Galvanized, Add	*21.40*	
		For Stainless Steel, Add	*85.60*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.88	
		For Hot-Dipped Galvanized, Add	*21.93*	
		For Stainless Steel, Add	*87.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.97	
		For Hot-Dipped Galvanized, Add	*22.52*	
		For Stainless Steel, Add	*90.06*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.89	
		For Hot-Dipped Galvanized, Add	*23.09*	
		For Stainless Steel, Add	*92.36*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.27	
		For Hot-Dipped Galvanized, Add	*23.38*	
		For Stainless Steel, Add	*93.50*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.48	
		For Hot-Dipped Galvanized, Add	*23.70*	
		For Stainless Steel, Add	*94.78*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.89	
		For Hot-Dipped Galvanized, Add	*28.18*	
		For Stainless Steel, Add	*112.70*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.59	
		For Hot-Dipped Galvanized, Add	*26.05*	
		For Stainless Steel, Add	*104.18*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.91	
		For Hot-Dipped Galvanized, Add	*26.57*	
		For Stainless Steel, Add	*106.26*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.32	
		For Hot-Dipped Galvanized, Add	*27.15*	
		For Stainless Steel, Add	*108.58*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.30	
		For Hot-Dipped Galvanized, Add	*27.68*	
		For Stainless Steel, Add	*110.72*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.20	
		For Hot-Dipped Galvanized, Add	*28.25*	
		For Stainless Steel, Add	*112.98*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.60	
		For Hot-Dipped Galvanized, Add	*28.55*	
		For Stainless Steel, Add	*114.20*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.77	
		For Hot-Dipped Galvanized, Add	*28.84*	
		For Stainless Steel, Add	*115.34*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.46	
		For Hot-Dipped Galvanized, Add	*34.97*	
		For Stainless Steel, Add	*139.86*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.56	
		For Hot-Dipped Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*195.20*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.46	
		For Hot-Dipped Galvanized, Add	*30.98*	
		For Stainless Steel, Add	*123.92*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.15	
		For Hot-Dipped Galvanized, Add	*32.04*	
		For Stainless Steel, Add	*128.16*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.85	
		For Hot-Dipped Galvanized, Add	*33.10*	
		For Stainless Steel, Add	*132.40*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.66	
		For Hot-Dipped Galvanized, Add	*34.36*	
		For Stainless Steel, Add	*137.44*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.48	
		For Hot-Dipped Galvanized, Add	*35.63*	
		For Stainless Steel, Add	*142.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.11	
		For Hot-Dipped Galvanized, Add	*36.30*	
		For Stainless Steel, Add	*145.18*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.41	
		For Hot-Dipped Galvanized, Add	*36.87*	
		For Stainless Steel, Add	*147.48*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.59	
		For Hot-Dipped Galvanized, Add	*38.03*	
		For Stainless Steel, Add	*152.10*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	171.80	
		For Hot-Dipped Galvanized, Add	*55.42*	
		For Stainless Steel, Add	*221.66*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.87	
		For Hot-Dipped Galvanized, Add	*32.69*	
		For Stainless Steel, Add	*130.74*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.06	
		For Hot-Dipped Galvanized, Add	*33.14*	
		For Stainless Steel, Add	*132.56*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.36	
		For Hot-Dipped Galvanized, Add	*33.67*	
		For Stainless Steel, Add	*134.66*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.45	
		For Hot-Dipped Galvanized, Add	*34.26*	
		For Stainless Steel, Add	*137.02*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.37	
		For Hot-Dipped Galvanized, Add	*34.83*	
		For Stainless Steel, Add	*139.32*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.75	
		For Hot-Dipped Galvanized, Add	*35.12*	
		For Stainless Steel, Add	*140.46*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.96	
		For Hot-Dipped Galvanized, Add	*35.44*	
		For Stainless Steel, Add	*141.74*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.37	
		For Hot-Dipped Galvanized, Add	*39.92*	
		For Stainless Steel, Add	*159.66*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.75	
		For Hot-Dipped Galvanized, Add	*48.90*	
		For Stainless Steel, Add	*195.58*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.07	
		For Hot-Dipped Galvanized, Add	*37.79*	
		For Stainless Steel, Add	*151.14*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.39	
		For Hot-Dipped Galvanized, Add	*38.31*	
		For Stainless Steel, Add	*153.22*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.80	
		For Hot-Dipped Galvanized, Add	*38.89*	
		For Stainless Steel, Add	*155.54*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.78	
		For Hot-Dipped Galvanized, Add	*39.42*	
		For Stainless Steel, Add	*157.68*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.68	
		For Hot-Dipped Galvanized, Add	*39.99*	
		For Stainless Steel, Add	*159.94*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.09	
		For Hot-Dipped Galvanized, Add	*40.30*	
		For Stainless Steel, Add	*161.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.25	
		For Hot-Dipped Galvanized, Add	*40.58*	
		For Stainless Steel, Add	*162.30*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.94	
		For Hot-Dipped Galvanized, Add	*46.71*	
		For Stainless Steel, Add	*186.82*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	182.04	
		For Hot-Dipped Galvanized, Add	*60.54*	
		For Stainless Steel, Add	*242.16*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.94	
		For Hot-Dipped Galvanized, Add	*42.72*	
		For Stainless Steel, Add	*170.88*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.63	
		For Hot-Dipped Galvanized, Add	*43.78*	
		For Stainless Steel, Add	*175.12*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.33	
		For Hot-Dipped Galvanized, Add	*44.84*	
		For Stainless Steel, Add	*179.36*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.15	
		For Hot-Dipped Galvanized, Add	*46.11*	
		For Stainless Steel, Add	*184.42*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.96	
		For Hot-Dipped Galvanized, Add	*47.37*	
		For Stainless Steel, Add	*189.46*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.59	
		For Hot-Dipped Galvanized, Add	*48.04*	
		For Stainless Steel, Add	*192.14*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.89	
		For Hot-Dipped Galvanized, Add	*48.61*	
		For Stainless Steel, Add	*194.44*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.07	
		For Hot-Dipped Galvanized, Add	*49.77*	
		For Stainless Steel, Add	*199.06*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	195.28	
		For Hot-Dipped Galvanized, Add	*67.16*	
		For Stainless Steel, Add	*268.62*	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	74.75	
		For Hot-Dipped Galvanized, Add	*15.64*	
		For Stainless Steel, Add	*62.56*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	82.45	
		For Hot-Dipped Galvanized, Add	*17.08*	
		For Stainless Steel, Add	*68.30*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	89.83	
		For Hot-Dipped Galvanized, Add	*18.35*	
		For Stainless Steel, Add	*73.38*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	96.12	
		For Hot-Dipped Galvanized, Add	*19.08*	
		For Stainless Steel, Add	*76.30*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	99.88	
		For Hot-Dipped Galvanized, Add	*19.75*	
		For Stainless Steel, Add	*79.00*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	107.25	
		For Hot-Dipped Galvanized, Add	*21.26*	
		For Stainless Steel, Add	*85.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.60	
		For Hot-Dipped Galvanized, Add	*22.50*	
		For Stainless Steel, Add	*90.00*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	87.45	
		For Hot-Dipped Galvanized, Add	*21.99*	
		For Stainless Steel, Add	*87.96*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	95.19	
		For Hot-Dipped Galvanized, Add	*23.45*	
		For Stainless Steel, Add	*93.78*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	102.42	
		For Hot-Dipped Galvanized, Add	*24.64*	
		For Stainless Steel, Add	*98.56*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	108.86	
		For Hot-Dipped Galvanized, Add	*25.45*	
		For Stainless Steel, Add	*101.78*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	112.59	
		For Hot-Dipped Galvanized, Add	*26.11*	
		For Stainless Steel, Add	*104.42*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.96	
		For Hot-Dipped Galvanized, Add	*27.62*	
		For Stainless Steel, Add	*110.46*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.48	
		For Hot-Dipped Galvanized, Add	*28.94*	
		For Stainless Steel, Add	*115.76*	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	93.62	
		For Hot-Dipped Galvanized, Add	*25.08*	
		For Stainless Steel, Add	*100.30*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	102.82	
		For Hot-Dipped Galvanized, Add	*27.26*	
		For Stainless Steel, Add	*109.04*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	111.94	
		For Hot-Dipped Galvanized, Add	*29.40*	
		For Stainless Steel, Add	*117.60*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.06	
		For Hot-Dipped Galvanized, Add	*30.55*	
		For Stainless Steel, Add	*122.18*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.55	
		For Hot-Dipped Galvanized, Add	*31.59*	
		For Stainless Steel, Add	*126.34*	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.35	
		For Hot-Dipped Galvanized, Add	*33.81*	
		For Stainless Steel, Add	*135.24*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.59	
		For Hot-Dipped Galvanized, Add	*36.00*	
		For Stainless Steel, Add	*143.98*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	108.95	
		For Hot-Dipped Galvanized, Add	*32.74*	
		For Stainless Steel, Add	*130.96*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	115.78	
		For Hot-Dipped Galvanized, Add	*33.74*	
		For Stainless Steel, Add	*134.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	122.65	
		For Hot-Dipped Galvanized, Add	*34.76*	
		For Stainless Steel, Add	*139.02*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	132.15	
		For Hot-Dipped Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*143.54*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.75	
		For Hot-Dipped Galvanized, Add	*37.01*	
		For Stainless Steel, Add	*148.04*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.06	
		For Hot-Dipped Galvanized, Add	*38.73*	
		For Stainless Steel, Add	*154.92*	
04 05 19 13-0126		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*		
04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	128.87	
		For Hot-Dipped Galvanized, Add	*42.70*	
		For Stainless Steel, Add	*170.80*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	135.73	
		For Hot-Dipped Galvanized, Add	*43.72*	
		For Stainless Steel, Add	*174.86*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	142.85	
		For Hot-Dipped Galvanized, Add	*44.86*	
		For Stainless Steel, Add	*179.42*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	152.10	
		For Hot-Dipped Galvanized, Add	*45.86*	
		For Stainless Steel, Add	*183.44*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.73	
		For Hot-Dipped Galvanized, Add	*47.00*	
		For Stainless Steel, Add	*188.00*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.88	
		For Hot-Dipped Galvanized, Add	*48.14*	
		For Stainless Steel, Add	*192.56*	
04 05 19 13-0133		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*		
04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	130.34	
		For Hot-Dipped Galvanized, Add	*43.44*	
		For Stainless Steel, Add	*173.74*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.30	
		For Hot-Dipped Galvanized, Add	*45.00*	
		For Stainless Steel, Add	*180.00*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.24	
		For Hot-Dipped Galvanized, Add	*46.55*	
		For Stainless Steel, Add	*186.20*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.22	
		For Hot-Dipped Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*193.68*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	165.29	
		For Hot-Dipped Galvanized, Add	*50.28*	
		For Stainless Steel, Add	*201.12*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.85	
		For Hot-Dipped Galvanized, Add	*52.13*	
		For Stainless Steel, Add	*208.50*	
04 05 19 13-0140		Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0141		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*		
04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	117.50	
		For Hot-Dipped Galvanized, Add	*34.60*	
		For Stainless Steel, Add	*138.40*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	124.31	
		For Hot-Dipped Galvanized, Add	*35.59*	
		For Stainless Steel, Add	*142.34*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	133.53	
		For Hot-Dipped Galvanized, Add	*36.58*	
		For Stainless Steel, Add	*146.30*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	140.22	
		For Hot-Dipped Galvanized, Add	*37.75*	
		For Stainless Steel, Add	*150.98*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	146.34	
		For Hot-Dipped Galvanized, Add	*38.87*	
		For Stainless Steel, Add	*155.48*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	153.56	
		For Hot-Dipped Galvanized, Add	*41.14*	
		For Stainless Steel, Add	*164.56*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	137.45	
		For Hot-Dipped Galvanized, Add	*44.58*	
		For Stainless Steel, Add	*178.30*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	144.29	
		For Hot-Dipped Galvanized, Add	*45.58*	
		For Stainless Steel, Add	*182.30*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	153.79	
		For Hot-Dipped Galvanized, Add	*46.71*	
		For Stainless Steel, Add	*186.82*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.14	
		For Hot-Dipped Galvanized, Add	*47.71*	
		For Stainless Steel, Add	*190.82*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	166.29	
		For Hot-Dipped Galvanized, Add	*48.85*	
		For Stainless Steel, Add	*195.38*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	173.76	
		For Hot-Dipped Galvanized, Add	*51.24*	
		For Stainless Steel, Add	*204.96*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	138.86	
		For Hot-Dipped Galvanized, Add	*45.28*	
		For Stainless Steel, Add	*181.12*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	146.83	
		For Hot-Dipped Galvanized, Add	*46.85*	
		For Stainless Steel, Add	*187.38*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	157.22	
		For Hot-Dipped Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*193.68*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	165.29	
		For Hot-Dipped Galvanized, Add	*50.28*	
		For Stainless Steel, Add	*201.12*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	172.85	
		For Hot-Dipped Galvanized, Add	*52.13*	
		For Stainless Steel, Add	*208.50*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	180.83	
		For Hot-Dipped Galvanized, Add	*54.78*	
		For Stainless Steel, Add	*219.10*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	110.94	
		For Hot-Dipped Galvanized, Add	*31.32*	
		For Stainless Steel, Add	*125.28*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	117.41	
		For Hot-Dipped Galvanized, Add	*32.14*	
		For Stainless Steel, Add	*128.54*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	126.40	
		For Hot-Dipped Galvanized, Add	*33.01*	
		For Stainless Steel, Add	*132.04*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	132.61	
		For Hot-Dipped Galvanized, Add	*33.94*	
		For Stainless Steel, Add	*135.76*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	138.42	
		For Hot-Dipped Galvanized, Add	*34.91*	
		For Stainless Steel, Add	*139.64*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	142.85	
		For Hot-Dipped Galvanized, Add	*35.79*	
		For Stainless Steel, Add	*143.14*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	129.65	
		For Hot-Dipped Galvanized, Add	*40.68*	
		For Stainless Steel, Add	*162.70*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	135.75	
		For Hot-Dipped Galvanized, Add	*41.31*	
		For Stainless Steel, Add	*165.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	144.80	
		For Hot-Dipped Galvanized, Add	*42.21*	
		For Stainless Steel, Add	*168.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	150.89	
		For Hot-Dipped Galvanized, Add	*43.08*	
		For Stainless Steel, Add	*172.32*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	156.51	
		For Hot-Dipped Galvanized, Add	*43.96*	
		For Stainless Steel, Add	*175.82*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	162.97	
		For Hot-Dipped Galvanized, Add	*45.85*	
		For Stainless Steel, Add	*183.38*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	131.03	
		For Hot-Dipped Galvanized, Add	*41.37*	
		For Stainless Steel, Add	*165.46*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	138.85	
		For Hot-Dipped Galvanized, Add	*42.86*	
		For Stainless Steel, Add	*171.42*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	149.05	
		For Hot-Dipped Galvanized, Add	*44.34*	
		For Stainless Steel, Add	*177.34*	
		For Seismic Hook And Eye, Add	*27.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	156.95	
		For Hot-Dipped Galvanized, Add	*46.11*	
		For Stainless Steel, Add	*184.44*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.37	
		For Hot-Dipped Galvanized, Add	*47.89*	
		For Stainless Steel, Add	*191.54*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	170.57	
		For Hot-Dipped Galvanized, Add	*49.65*	
		For Stainless Steel, Add	*198.58*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	119.50	
		For Hot-Dipped Galvanized, Add	*33.18*	
		For Stainless Steel, Add	*132.72*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	128.34	
		For Hot-Dipped Galvanized, Add	*33.98*	
		For Stainless Steel, Add	*135.92*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	134.30	
		For Hot-Dipped Galvanized, Add	*34.79*	
		For Stainless Steel, Add	*139.14*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	140.23	
		For Hot-Dipped Galvanized, Add	*35.82*	
		For Stainless Steel, Add	*143.26*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	144.76	
		For Hot-Dipped Galvanized, Add	*36.74*	
		For Stainless Steel, Add	*146.96*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	137.53	
		For Hot-Dipped Galvanized, Add	*42.20*	
		For Stainless Steel, Add	*168.78*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	146.52	
		For Hot-Dipped Galvanized, Add	*43.07*	
		For Stainless Steel, Add	*172.28*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	152.73	
		For Hot-Dipped Galvanized, Add	*44.00*	
		For Stainless Steel, Add	*176.00*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	158.09	
		For Hot-Dipped Galvanized, Add	*44.75*	
		For Stainless Steel, Add	*178.98*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.80	
		For Hot-Dipped Galvanized, Add	*45.76*	
		For Stainless Steel, Add	*183.04*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	139.39	
		For Hot-Dipped Galvanized, Add	*43.13*	
		For Stainless Steel, Add	*172.50*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	149.62	
		For Hot-Dipped Galvanized, Add	*44.62*	
		For Stainless Steel, Add	*178.48*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.95	
		For Hot-Dipped Galvanized, Add	*46.11*	
		For Stainless Steel, Add	*184.44*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.37	
		For Hot-Dipped Galvanized, Add	*47.89*	
		For Stainless Steel, Add	*191.54*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	170.57	
		For Hot-Dipped Galvanized, Add	*49.65*	
		For Stainless Steel, Add	*198.58*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	59.58	
		For Hot-Dipped Galvanized, Add	*13.05*	
		For Stainless Steel, Add	*52.18*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	62.15	
		For Hot-Dipped Galvanized, Add	*13.19*	
		For Stainless Steel, Add	*52.74*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	66.46	
		For Hot-Dipped Galvanized, Add	*13.71*	
		For Stainless Steel, Add	*54.84*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.71	
		For Hot-Dipped Galvanized, Add	*14.39*	
		For Stainless Steel, Add	*57.54*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	78.00	
		For Hot-Dipped Galvanized, Add	*15.15*	
		For Stainless Steel, Add	*60.58*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.63	
		For Hot-Dipped Galvanized, Add	*15.56*	
		For Stainless Steel, Add	*62.22*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.96	
		For Hot-Dipped Galvanized, Add	*16.15*	
		For Stainless Steel, Add	*64.58*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.89	
		For Hot-Dipped Galvanized, Add	*22.68*	
		For Stainless Steel, Add	*90.72*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.92	
		For Hot-Dipped Galvanized, Add	*23.98*	
		For Stainless Steel, Add	*95.92*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.22	
		For Hot-Dipped Galvanized, Add	*41.48*	
		For Stainless Steel, Add	*165.90*	

04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	69.68	
		For Hot-Dipped Galvanized, Add	*18.09*	
		For Stainless Steel, Add	*72.36*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	72.47	
		For Hot-Dipped Galvanized, Add	*18.35*	
		For Stainless Steel, Add	*73.38*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	76.77	
		For Hot-Dipped Galvanized, Add	*18.87*	
		For Stainless Steel, Add	*75.46*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	81.99	
		For Hot-Dipped Galvanized, Add	*19.53*	
		For Stainless Steel, Add	*78.10*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.14	
		For Hot-Dipped Galvanized, Add	*20.22*	
		For Stainless Steel, Add	*80.86*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.90	
		For Hot-Dipped Galvanized, Add	*20.70*	
		For Stainless Steel, Add	*82.78*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.08	
		For Hot-Dipped Galvanized, Add	*21.21*	
		For Stainless Steel, Add	*84.82*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.48	
		For Hot-Dipped Galvanized, Add	*29.48*	
		For Stainless Steel, Add	*117.90*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.50	
		For Hot-Dipped Galvanized, Add	*30.77*	
		For Stainless Steel, Add	*123.08*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.22	
		For Hot-Dipped Galvanized, Add	*58.13*	
		For Stainless Steel, Add	*232.52*	

04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.12	
		For Hot-Dipped Galvanized, Add	*25.81*	
		For Stainless Steel, Add	*103.24*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.34	
		For Hot-Dipped Galvanized, Add	*26.14*	
		For Stainless Steel, Add	*104.54*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.83	
		For Hot-Dipped Galvanized, Add	*27.09*	
		For Stainless Steel, Add	*108.36*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.74	
		For Hot-Dipped Galvanized, Add	*28.40*	
		For Stainless Steel, Add	*113.60*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.30	
		For Hot-Dipped Galvanized, Add	*30.04*	
		For Stainless Steel, Add	*120.14*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.09	
		For Hot-Dipped Galvanized, Add	*30.79*	
		For Stainless Steel, Add	*123.14*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.46	
		For Hot-Dipped Galvanized, Add	*31.90*	
		For Stainless Steel, Add	*127.58*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.09	
		For Hot-Dipped Galvanized, Add	*44.78*	
		For Stainless Steel, Add	*179.10*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.59	
		For Hot-Dipped Galvanized, Add	*47.31*	
		For Stainless Steel, Add	*189.24*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	228.86	
		For Hot-Dipped Galvanized, Add	*81.80*	
		For Stainless Steel, Add	*327.18*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.39	
		For Hot-Dipped Galvanized, Add	*20.95*	
		For Stainless Steel, Add	*83.78*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	78.58	
		For Hot-Dipped Galvanized, Add	*21.40*	
		For Stainless Steel, Add	*85.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.88	
		For Hot-Dipped Galvanized, Add	*21.93*	
		For Stainless Steel, Add	*87.70*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.97	
		For Hot-Dipped Galvanized, Add	*22.52*	
		For Stainless Steel, Add	*90.06*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.89	
		For Hot-Dipped Galvanized, Add	*23.09*	
		For Stainless Steel, Add	*92.36*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.27	
		For Hot-Dipped Galvanized, Add	*23.38*	
		For Stainless Steel, Add	*93.50*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.48	
		For Hot-Dipped Galvanized, Add	*23.70*	
		For Stainless Steel, Add	*94.78*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.89	
		For Hot-Dipped Galvanized, Add	*28.18*	
		For Stainless Steel, Add	*112.70*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.59	
		For Hot-Dipped Galvanized, Add	*26.05*	
		For Stainless Steel, Add	*104.18*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.91	
		For Hot-Dipped Galvanized, Add	*26.57*	
		For Stainless Steel, Add	*106.26*	
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.32	
		For Hot-Dipped Galvanized, Add	*27.15*	
		For Stainless Steel, Add	*108.58*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.30	
		For Hot-Dipped Galvanized, Add	*27.68*	
		For Stainless Steel, Add	*110.72*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.20	
		For Hot-Dipped Galvanized, Add	*28.25*	
		For Stainless Steel, Add	*112.98*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.60	
		For Hot-Dipped Galvanized, Add	*28.55*	
		For Stainless Steel, Add	*114.20*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.77	
		For Hot-Dipped Galvanized, Add	*28.84*	
		For Stainless Steel, Add	*115.34*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.46	
		For Hot-Dipped Galvanized, Add	*34.97*	
		For Stainless Steel, Add	*139.86*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.56	
		For Hot-Dipped Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*195.20*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.46	
		For Hot-Dipped Galvanized, Add	*30.98*	
		For Stainless Steel, Add	*123.92*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.15	
		For Hot-Dipped Galvanized, Add	*32.04*	
		For Stainless Steel, Add	*128.16*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.85	
		For Hot-Dipped Galvanized, Add	*33.10*	
		For Stainless Steel, Add	*132.40*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.66	
		For Hot-Dipped Galvanized, Add	*34.36*	
		For Stainless Steel, Add	*137.44*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		118.48	
		For Hot-Dipped Galvanized, Add		*35.63*	
		For Stainless Steel, Add		*142.50*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		124.11	
		For Hot-Dipped Galvanized, Add		*36.30*	
		For Stainless Steel, Add		*145.18*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		127.41	
		For Hot-Dipped Galvanized, Add		*36.87*	
		For Stainless Steel, Add		*147.48*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		133.59	
		For Hot-Dipped Galvanized, Add		*38.03*	
		For Stainless Steel, Add		*152.10*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		171.80	
		For Hot-Dipped Galvanized, Add		*55.42*	
		For Stainless Steel, Add		*221.66*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		98.87	
		For Hot-Dipped Galvanized, Add		*32.69*	
		For Stainless Steel, Add		*130.74*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		102.06	
		For Hot-Dipped Galvanized, Add		*33.14*	
		For Stainless Steel, Add		*132.56*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		106.36	
		For Hot-Dipped Galvanized, Add		*33.67*	
		For Stainless Steel, Add		*134.66*	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		111.45	
		For Hot-Dipped Galvanized, Add		*34.26*	
		For Stainless Steel, Add		*137.02*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		117.37	
		For Hot-Dipped Galvanized, Add		*34.83*	
		For Stainless Steel, Add		*139.32*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		121.75	
		For Hot-Dipped Galvanized, Add		*35.12*	
		For Stainless Steel, Add		*140.46*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		124.96	
		For Hot-Dipped Galvanized, Add		*35.44*	
		For Stainless Steel, Add		*141.74*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		137.37	
		For Hot-Dipped Galvanized, Add		*39.92*	
		For Stainless Steel, Add		*159.66*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		158.75	
		For Hot-Dipped Galvanized, Add		*48.90*	
		For Stainless Steel, Add		*195.58*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		109.07	
		For Hot-Dipped Galvanized, Add		*37.79*	
		For Stainless Steel, Add		*151.14*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		112.39	
		For Hot-Dipped Galvanized, Add		*38.31*	
		For Stainless Steel, Add		*153.22*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		116.80	
		For Hot-Dipped Galvanized, Add		*38.89*	
		For Stainless Steel, Add		*155.54*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		121.78	
		For Hot-Dipped Galvanized, Add		*39.42*	
		For Stainless Steel, Add		*157.68*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		127.68	
		For Hot-Dipped Galvanized, Add		*39.99*	
		For Stainless Steel, Add		*159.94*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.09	
		For Hot-Dipped Galvanized, Add	*40.30*	
		For Stainless Steel, Add	*161.18*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.25	
		For Hot-Dipped Galvanized, Add	*40.58*	
		For Stainless Steel, Add	*162.30*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.94	
		For Hot-Dipped Galvanized, Add	*46.71*	
		For Stainless Steel, Add	*186.82*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.04	
		For Hot-Dipped Galvanized, Add	*60.54*	
		For Stainless Steel, Add	*242.16*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.94	
		For Hot-Dipped Galvanized, Add	*42.72*	
		For Stainless Steel, Add	*170.88*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.63	
		For Hot-Dipped Galvanized, Add	*43.78*	
		For Stainless Steel, Add	*175.12*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.33	
		For Hot-Dipped Galvanized, Add	*44.84*	
		For Stainless Steel, Add	*179.36*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.15	
		For Hot-Dipped Galvanized, Add	*46.11*	
		For Stainless Steel, Add	*184.42*	
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.96	
		For Hot-Dipped Galvanized, Add	*47.37*	
		For Stainless Steel, Add	*189.46*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.59	
		For Hot-Dipped Galvanized, Add	*48.04*	
		For Stainless Steel, Add	*192.14*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.89	
		For Hot-Dipped Galvanized, Add	*48.61*	
		For Stainless Steel, Add	*194.44*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.07	
		For Hot-Dipped Galvanized, Add	*49.77*	
		For Stainless Steel, Add	*199.06*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	195.28	
		For Hot-Dipped Galvanized, Add	*67.16*	
		For Stainless Steel, Add	*268.62*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	84.35	
		For Hot-Dipped Galvanized, Add	*20.44*	
		For Stainless Steel, Add	*81.76*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	91.16	
		For Hot-Dipped Galvanized, Add	*21.43*	
		For Stainless Steel, Add	*85.72*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	98.50	
		For Hot-Dipped Galvanized, Add	*22.68*	
		For Stainless Steel, Add	*90.72*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	105.05	
		For Hot-Dipped Galvanized, Add	*23.54*	
		For Stainless Steel, Add	*94.16*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	108.90	
		For Hot-Dipped Galvanized, Add	*24.26*	
		For Stainless Steel, Add	*97.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	116.72	
		For Hot-Dipped Galvanized, Add	*26.00*	
		For Stainless Steel, Add	*103.98*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	124.05	
		For Hot-Dipped Galvanized, Add	*27.73*	
		For Stainless Steel, Add	*110.90*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	97.09	
		For Hot-Dipped Galvanized, Add	*26.81*	
		For Stainless Steel, Add	*107.24*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	103.92	
		For Hot-Dipped Galvanized, Add	*27.81*	
		For Stainless Steel, Add	*111.24*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.21	
		For Hot-Dipped Galvanized, Add	*29.04*	
		For Stainless Steel, Add	*116.14*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	117.79	
		For Hot-Dipped Galvanized, Add	*29.91*	
		For Stainless Steel, Add	*119.64*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	121.55	
		For Hot-Dipped Galvanized, Add	*30.59*	
		For Stainless Steel, Add	*122.34*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	129.40	
		For Hot-Dipped Galvanized, Add	*32.34*	
		For Stainless Steel, Add	*129.34*	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	136.79	
		For Hot-Dipped Galvanized, Add	*34.10*	
		For Stainless Steel, Add	*136.38*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	108.90	
		For Hot-Dipped Galvanized, Add	*32.72*	
		For Stainless Steel, Add	*130.86*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	116.83	
		For Hot-Dipped Galvanized, Add	*34.27*	
		For Stainless Steel, Add	*137.06*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	125.92	
		For Hot-Dipped Galvanized, Add	*36.39*	
		For Stainless Steel, Add	*145.56*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	133.06	
		For Hot-Dipped Galvanized, Add	*37.55*	
		For Stainless Steel, Add	*150.18*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.78	
		For Hot-Dipped Galvanized, Add	*38.70*	
		For Stainless Steel, Add	*154.80*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.34	
		For Hot-Dipped Galvanized, Add	*41.31*	
		For Stainless Steel, Add	*165.22*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	155.53	
		For Hot-Dipped Galvanized, Add	*43.47*	
		For Stainless Steel, Add	*173.86*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	124.06	
		For Hot-Dipped Galvanized, Add	*40.30*	
		For Stainless Steel, Add	*161.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	129.45	
		For Hot-Dipped Galvanized, Add	*40.58*	
		For Stainless Steel, Add	*162.30*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	136.26	
		For Hot-Dipped Galvanized, Add	*41.56*	
		For Stainless Steel, Add	*166.24*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.12	
		For Hot-Dipped Galvanized, Add	*42.87*	
		For Stainless Steel, Add	*171.48*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	153.57	
		For Hot-Dipped Galvanized, Add	*44.42*	
		For Stainless Steel, Add	*177.68*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	161.22	
		For Hot-Dipped Galvanized, Add	*46.31*	
		For Stainless Steel, Add	*185.24*	
04 05 19 13-0330		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	143.75	
		For Hot-Dipped Galvanized, Add	*50.14*	
		For Stainless Steel, Add	*200.56*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	149.43	
		For Hot-Dipped Galvanized, Add	*50.57*	
		For Stainless Steel, Add	*202.26*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	156.24	
		For Hot-Dipped Galvanized, Add	*51.55*	
		For Stainless Steel, Add	*206.20*	
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	166.04	
		For Hot-Dipped Galvanized, Add	*52.83*	
		For Stainless Steel, Add	*211.32*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.24	
		For Hot-Dipped Galvanized, Add	*54.26*	
		For Stainless Steel, Add	*217.02*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.98	
		For Hot-Dipped Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*222.76*	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	154.54	
		For Hot-Dipped Galvanized, Add	*55.54*	
		For Stainless Steel, Add	*222.14*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	160.22	
		For Hot-Dipped Galvanized, Add	*55.96*	
		For Stainless Steel, Add	*223.84*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	168.16	
		For Hot-Dipped Galvanized, Add	*57.51*	
		For Stainless Steel, Add	*230.04*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.45	
		For Hot-Dipped Galvanized, Add	*59.54*	
		For Stainless Steel, Add	*238.14*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.93	
		For Hot-Dipped Galvanized, Add	*62.10*	
		For Stainless Steel, Add	*248.40*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.49	
		For Hot-Dipped Galvanized, Add	*64.95*	
		For Stainless Steel, Add	*259.78*	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	132.63	
		For Hot-Dipped Galvanized, Add	*42.17*	
		For Stainless Steel, Add	*168.66*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	138.06	
		For Hot-Dipped Galvanized, Add	*42.46*	
		For Stainless Steel, Add	*169.84*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	147.22	
		For Hot-Dipped Galvanized, Add	*43.42*	
		For Stainless Steel, Add	*173.68*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	154.16	
		For Hot-Dipped Galvanized, Add	*44.72*	
		For Stainless Steel, Add	*178.86*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	161.19	
		For Hot-Dipped Galvanized, Add	*46.30*	
		For Stainless Steel, Add	*185.18*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.08	
		For Hot-Dipped Galvanized, Add	*47.90*	
		For Stainless Steel, Add	*191.60*	

04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.27	
		For Hot-Dipped Galvanized, Add	*51.99*	
		For Stainless Steel, Add	*207.94*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	157.96	
		For Hot-Dipped Galvanized, Add	*52.41*	
		For Stainless Steel, Add	*209.64*	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.17	
		For Hot-Dipped Galvanized, Add	*53.40*	
		For Stainless Steel, Add	*213.58*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	174.11	
		For Hot-Dipped Galvanized, Add	*54.69*	
		For Stainless Steel, Add	*218.76*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	180.83	
		For Hot-Dipped Galvanized, Add	*56.12*	
		For Stainless Steel, Add	*224.46*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	186.89	
		For Hot-Dipped Galvanized, Add	*57.81*	
		For Stainless Steel, Add	*231.22*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.09	
		For Hot-Dipped Galvanized, Add	*57.40*	
		For Stainless Steel, Add	*229.58*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	168.75	
		For Hot-Dipped Galvanized, Add	*57.81*	
		For Stainless Steel, Add	*231.22*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.14	
		For Hot-Dipped Galvanized, Add	*59.38*	
		For Stainless Steel, Add	*237.52*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	187.52	
		For Hot-Dipped Galvanized, Add	*61.40*	
		For Stainless Steel, Add	*245.58*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	196.49	
		For Hot-Dipped Galvanized, Add	*63.95*	
		For Stainless Steel, Add	*255.78*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	203.06	
		For Hot-Dipped Galvanized, Add	*65.89*	
		For Stainless Steel, Add	*263.56*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0367		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	125.05	
		For Hot-Dipped Galvanized, Add	*38.38*	
		For Stainless Steel, Add	*153.50*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	130.43	
		For Hot-Dipped Galvanized, Add	*38.65*	
		For Stainless Steel, Add	*154.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	139.33	
		For Hot-Dipped Galvanized, Add	*39.48*	
		For Stainless Steel, Add	*157.90*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	146.08	
		For Hot-Dipped Galvanized, Add	*40.68*	
		For Stainless Steel, Add	*162.70*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	152.43	
		For Hot-Dipped Galvanized, Add	*41.92*	
		For Stainless Steel, Add	*167.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	158.15	
		For Hot-Dipped Galvanized, Add	*43.44*	
		For Stainless Steel, Add	*173.74*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	143.14	
		For Hot-Dipped Galvanized, Add	*47.42*	
		For Stainless Steel, Add	*189.68*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	148.72	
		For Hot-Dipped Galvanized, Add	*47.79*	
		For Stainless Steel, Add	*191.16*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	157.48	
		For Hot-Dipped Galvanized, Add	*48.55*	
		For Stainless Steel, Add	*194.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.11	
		For Hot-Dipped Galvanized, Add	*49.69*	
		For Stainless Steel, Add	*198.76*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	170.43	
		For Hot-Dipped Galvanized, Add	*50.92*	
		For Stainless Steel, Add	*203.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.82	
		For Hot-Dipped Galvanized, Add	*52.27*	
		For Stainless Steel, Add	*209.08*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.08	
		For Hot-Dipped Galvanized, Add	*52.89*	
		For Stainless Steel, Add	*211.56*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	159.73	
		For Hot-Dipped Galvanized, Add	*53.30*	
		For Stainless Steel, Add	*213.18*	
		For Seismic Hook And Eye, Add	*27.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		169.93	
		For Hot-Dipped Galvanized, Add		*54.78*	
		For Stainless Steel, Add		*219.10*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		178.14	
		For Hot-Dipped Galvanized, Add		*56.71*	
		For Stainless Steel, Add		*226.82*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		186.89	
		For Hot-Dipped Galvanized, Add		*59.15*	
		For Stainless Steel, Add		*236.58*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		194.98	
		For Hot-Dipped Galvanized, Add		*61.85*	
		For Stainless Steel, Add		*247.40*	
		For Seismic Hook And Eye, Add		*27.50*	

04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*

04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		133.50	
		For Hot-Dipped Galvanized, Add		*40.18*	
		For Stainless Steel, Add		*160.72*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		141.30	
		For Hot-Dipped Galvanized, Add		*40.46*	
		For Stainless Steel, Add		*161.84*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		147.43	
		For Hot-Dipped Galvanized, Add		*41.35*	
		For Stainless Steel, Add		*165.40*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		153.83	
		For Hot-Dipped Galvanized, Add		*42.62*	
		For Stainless Steel, Add		*170.46*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		159.45	
		For Hot-Dipped Galvanized, Add		*44.09*	
		For Stainless Steel, Add		*176.34*	
		For Seismic Hook And Eye, Add		*27.50*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		153.00	
		For Hot-Dipped Galvanized, Add		*49.93*	
		For Stainless Steel, Add		*199.72*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		160.86	
		For Hot-Dipped Galvanized, Add		*50.24*	
		For Stainless Steel, Add		*200.96*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		166.93	
		For Hot-Dipped Galvanized, Add		*51.10*	
		For Stainless Steel, Add		*204.40*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		173.11	
		For Hot-Dipped Galvanized, Add		*52.26*	
		For Stainless Steel, Add		*209.02*	
		For Seismic Hook And Eye, Add		*27.50*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		178.15	
		For Hot-Dipped Galvanized, Add		*53.44*	
		For Stainless Steel, Add		*213.74*	
		For Seismic Hook And Eye, Add		*27.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0401		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*		
04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.47	
		For Hot-Dipped Galvanized, Add	*54.67*	
		For Stainless Steel, Add	*218.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	170.49	
		For Hot-Dipped Galvanized, Add	*55.06*	
		For Stainless Steel, Add	*220.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.83	
		For Hot-Dipped Galvanized, Add	*56.55*	
		For Stainless Steel, Add	*226.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	185.53	
		For Hot-Dipped Galvanized, Add	*58.47*	
		For Stainless Steel, Add	*233.86*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	193.09	
		For Hot-Dipped Galvanized, Add	*60.91*	
		For Stainless Steel, Add	*243.62*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 16		**Masonry Anchors** *(04 05 19)*		
04 05 19 16-0001		Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0002		Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.01	
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.05	
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.09	
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.15	
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.20	
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.09	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.15	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.20	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.25	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.93	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.95	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.00	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.02	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.00	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.02	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.05	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.93	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.96	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.04	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.07	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.08	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.13	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.19	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.23	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.87	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.88	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.94	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.96	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.96	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.99	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.02	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.06	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.14	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.16	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.18	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.20	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.23	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.30	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.34	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.39	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.41	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.45	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.23	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.28	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.29	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.32	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.34	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.09	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.12	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.13	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.15	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.16	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.43	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.48	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.52	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.56	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.61	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.52	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.56	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.61	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.66	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.28	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.31	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.34	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.37	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.41	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.31	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.34	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.37	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.41	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.44	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.87	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.91	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.92	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.93	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.06	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.89	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.90	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.90	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.00	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0102		**Stainless Steel, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.09	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.13	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.16	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.20	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.40	
04 05 19 16-0108		**Wire Mesh Wall Ties** *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.60	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.89	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.20	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.71	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.64	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.09	
04 05 19 16-0115		**Triangle Brick Ties** *(04 05 19 16)*		
04 05 19 16-0116		**Hot-Dipped Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.44	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.63	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.67	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.77	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.64	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.65	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.67	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.72	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.73	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.81	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.84	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.94	
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.41	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.41	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.51	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.61	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.63	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.68	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	3.96	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)*		
		Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.65	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.93	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	3.96	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.23	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	4.16	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.91	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.03	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.18	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.31	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.45	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.58	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.45	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.88	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.31	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.75	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.18	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.61	
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.79	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.89	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.00	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.10	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.21	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.31	
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.24	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.28	
04 05 19 16-0183		Wire Column Ties *(04 05 19 16)*		
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.42	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.50	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.55	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.62	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.49	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.55	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.60	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.64	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.80	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.93	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.01	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.13	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.93	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.01	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.08	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.16	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.30	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.34	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.37	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.41	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.32	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.36	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.39	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.42	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.58	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.66	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.69	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.78	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.54	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.68	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.73	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.78	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.02	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.23	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.35	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.42	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.56	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.59	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.86	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.92	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.02	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.08	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.08	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.34	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.44	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.74	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.03	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.29	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.49	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.69	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.95	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.10	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.10	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.16	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.23	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.11	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.24	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.34	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.15	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.24	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.32	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.03	
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.12	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.07	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.15	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.22	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.18	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.25	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.24	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.31	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.38	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	2.37	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	4.49	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.77	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.86	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.92	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.98	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.64	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.65	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.69	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.79	
04 05 19 16-0284		Dowel Or Hairpin, Drill And Epoxy Into Brick *(04 05 19 16)*		
04 05 19 16-0285	EA	Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick	21.48	
04 05 19 16-0286	EA	Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick	22.38	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.73	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.18	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.66	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	0.74	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.20	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.68	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0010	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	0.87	
04 05 19 26-0011	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.39	
04 05 19 26-0012	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.97	
04 05 19 26-0013	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.52	
04 05 19 26-0014	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	0.88	
04 05 19 26-0015	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.41	
04 05 19 26-0016	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.99	
04 05 19 26-0017	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.55	
04 05 19 26-0018		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.83	
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.91	
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.53	
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.83	
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.37	
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.94	
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.97	
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.56	
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.22	
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.89	
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.97	
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.58	
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.25	
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.93	
04 05 19 26-0035		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.82	
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.33	
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.89	
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.49	
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.82	
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.35	
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.91	
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.96	
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.54	
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.85	
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.96	
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.56	
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.22	
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.89	
04 05 23		Masonry Accessories *(04 05)*		
04 05 23 13		**Masonry Control And Expansion Joints** *(04 05 23)*		
04 05 23 13-0001		Masonry Control Joints *(04 05 23 13)*		
04 05 23 13-0002		Rubber, Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	4.05	0.86
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	3.96	0.86
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	7.75	0.86
04 05 23 13-0006		Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	2.81	0.86
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	2.88	0.86
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.63	0.86
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.06	0.86
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.91	0.86
04 05 23 16		**Masonry Embedded Flashing** *(04 05 23)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0001		Lead Coated Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.39	1.50
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.81	1.50
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.98	1.50
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.01	1.50
04 05 23 16-0007		Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.80	1.50
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.18	1.50
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.53	1.50
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.77	1.50
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.48	1.50
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.01	1.50
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.77	1.50
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.35	1.50
04 05 23 16-0017		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	4.76	1.40
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.07	1.40
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.92	1.40
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.68	1.40
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.00	1.40
04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.06	1.40
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.34	1.40
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.33	1.40
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.23	1.40
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.77	1.40
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.79	1.40
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.11	1.40
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.96	1.40
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.71	1.40
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.03	1.40
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.83	1.40
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.21	1.40
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.77	1.40
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.93	1.40
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.61	1.40
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.10	1.40
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.24	1.40
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	5.44	1.40
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	6.46	1.40
04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	6.20	1.40
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.30	1.41
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.46	1.41

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.64	1.41
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.24	1.41

04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents *(04 05 23)*

04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)*

Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.

04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	51.87
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	64.14
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	80.48
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	62.63
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	77.09
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	97.04
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	73.49
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	98.79
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	119.88
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	98.22
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	127.60
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	155.98

04 05 26 Masonry Scaffolding *(04 05)*

See CSI section 01 54 23 00-0001 for scaffolding.

04 05 26 00-0001 Masonry Scaffolding Usage *(04 05 26)*

Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of work. Includes assembly and disassembly of scaffolding. Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.

04 05 26 00-0002	CSF	Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	415.68
		For Each Additional Month Of Usage, Add	*142.00*
		For Additional Erection And Dismantling Of Scaffolding, Add	*273.68*
04 05 26 00-0003	CSF	Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	518.76
		For Each Additional Month Of Usage, Add	*129.72*
		For Additional Erection And Dismantling Of Scaffolding, Add	*389.04*
04 05 26 00-0004	CSF	Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	339.32
		For Each Additional Month Of Usage, Add	*136.60*
		For Additional Erection And Dismantling Of Scaffolding, Add	*202.72*
04 05 26 00-0005	CSF	Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	384.26
		For Each Additional Month Of Usage, Add	*139.30*
		For Additional Erection And Dismantling Of Scaffolding, Add	*244.96*

04 20 Unit Masonry *(04)*

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Brick, Red, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	22.25
		For Buff Or Gray, Add	*0.95*
		For Common Or American Bond, Add	*0.66*
		For English Bond, Add	*1.32*
		For Flemish Bond, Add	*2.77*
		For Stacked Bond, Add	*1.94*
		For <10, Small Area Replacements (Individual Areas), Add	*25.10*
		For Curved Wall, Add	*3.31*
		For Corbels, Add	*12.41*
		For Severe Weather (SW) Brick, Add	*0.86*
		For Glazed Brick, Add	*19.99*
04 21 13 00-0003	SF	Engineer Standard Size Brick, Red, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	23.23
		For Buff Or Gray, Add	*1.18*
		For Common Or American Bond, Add	*0.65*
		For English Bond, Add	*1.29*
		For Flemish Bond, Add	*2.78*
		For Stacked Bond, Add	*1.97*
		For <10, Small Area Replacements (Individual Areas), Add	*24.58*
		For Curved Wall, Add	*3.23*
		For Corbels, Add	*12.11*
		For Severe Weather (SW) Brick, Add	*1.06*
		For Glazed Brick, Add	*24.78*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0004	SF	Modular Size Brick, Red, Running Bond	22.25	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	*0.95*	
		For Common Or American Bond, Add	*0.66*	
		For English Bond, Add	*1.32*	
		For Flemish Bond, Add	*2.77*	
		For Stacked Bond, Add	*1.94*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.10*	
		For Curved Wall, Add	*3.31*	
		For Corbels, Add	*12.41*	
		For Severe Weather (SW) Brick, Add	*0.86*	
		For Glazed Brick, Add	*19.99*	
04 21 13 00-0005	SF	Engineer Modular Size Brick, Red, Running Bond	23.23	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
		For Buff Or Gray, Add	*1.18*	
		For Common Or American Bond, Add	*0.65*	
		For English Bond, Add	*1.29*	
		For Flemish Bond, Add	*2.78*	
		For Stacked Bond, Add	*1.97*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.58*	
		For Curved Wall, Add	*3.23*	
		For Corbels, Add	*12.11*	
		For Severe Weather (SW) Brick, Add	*1.06*	
		For Glazed Brick, Add	*24.78*	
04 21 13 00-0006	SF	Economy Size Brick, Red, Running Bond	23.04	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.15*	
		For Common Or American Bond, Add	*0.65*	
		For English Bond, Add	*1.29*	
		For Flemish Bond, Add	*2.77*	
		For Stacked Bond, Add	*1.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.57*	
		For Curved Wall, Add	*3.23*	
		For Corbels, Add	*12.11*	
		For Severe Weather (SW) Brick, Add	*1.03*	
		For Glazed Brick, Add	*24.12*	
04 21 13 00-0007	SF	Utility Size Brick, Red, Running Bond	17.18	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
		For Buff Or Gray, Add	*0.98*	
		For Common Or American Bond, Add	*0.45*	
		For English Bond, Add	*0.90*	
		For Flemish Bond, Add	*1.99*	
		For Stacked Bond, Add	*1.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.22*	
		For Curved Wall, Add	*2.26*	
		For Corbels, Add	*8.46*	
		For Severe Weather (SW) Brick, Add	*0.89*	
		For Glazed Brick, Add	*20.65*	
04 21 13 00-0008	SF	Double Utility Size Brick, Red, Running Bond	15.41	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	*0.69*	
		For Common Or American Bond, Add	*0.45*	
		For English Bond, Add	*0.90*	
		For Flemish Bond, Add	*1.90*	
		For Stacked Bond, Add	*1.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.13*	
		For Curved Wall, Add	*2.26*	
		For Corbels, Add	*8.46*	
		For Severe Weather (SW) Brick, Add	*0.62*	
		For Glazed Brick, Add	*14.46*	
04 21 13 00-0009	SF	Norman Size Brick, Red, Running Bond	23.58	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.24*	
		For Common Or American Bond, Add	*0.65*	
		For English Bond, Add	*1.29*	
		For Flemish Bond, Add	*2.79*	
		For Stacked Bond, Add	*1.99*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.60*	
		For Curved Wall, Add	*3.23*	
		For Corbels, Add	*12.11*	
		For Severe Weather (SW) Brick, Add	*1.11*	
		For Glazed Brick, Add	*26.01*	
04 21 13 00-0010	SF	Roman Size Brick, Red, Running Bond	25.15	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	*1.50*	
		For Common Or American Bond, Add	*0.65*	
		For English Bond, Add	*1.29*	
		For Flemish Bond, Add	*2.87*	
		For Stacked Bond, Add	*2.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.68*	
		For Curved Wall, Add	*3.23*	
		For Corbels, Add	*12.11*	
		For Severe Weather (SW) Brick, Add	*1.35*	
		For Glazed Brick, Add	*31.50*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0012		Fire Brick *(04 21 13 00-0011)*		
04 21 13 00-0013	SF	Fire Brick, Red, Running Bond	26.71	
		For Buff Or Gray, Add	*1.76*	
		For Common Or American Bond, Add	*0.65*	
		For English Bond, Add	*1.29*	
		For Flemish Bond, Add	*2.95*	
		For Stacked Bond, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.75*	
04 21 13 00-0014		Window Sill *(04 21 13)*		
04 21 13 00-0015	LF	Window Sill, Standard Size Brick, Red, On Edge Note: Standard size brick, 3-5/8" x 2-1/4" x 8".	18.67	
		For Buff Or Gray, Add	*0.15*	
04 21 13 00-0016	LF	Window Sill, Engineer Standard Size Brick, Red, On Edge Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8".	18.77	
		For Buff Or Gray, Add	*0.17*	
04 21 13 00-0017	LF	Window Sill, Modular Size Brick, Red, On Edge Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8".	18.67	
		For Buff Or Gray, Add	*0.15*	
04 21 13 00-0018	LF	Window Sill, Engineer Modular Size Brick, Red, On Edge Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8".	18.85	
		For Buff Or Gray, Add	*0.18*	
04 21 13 00-0019	LF	Window Sill, Economy Size Brick, Red, On Edge Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8".	19.32	
		For Buff Or Gray, Add	*0.26*	
04 21 13 00-0020	LF	Window Sill, Utility Size Brick, Red, On Edge Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8".	19.42	
		For Buff Or Gray, Add	*0.28*	
04 21 13 00-0021	LF	Window Sill, Double Utility Size Brick, Red, On Edge Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8".	19.42	
		For Buff Or Gray, Add	*0.28*	
04 21 13 00-0022	LF	Window Sill, Norman Size Brick, Red, On Edge Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8".	18.91	
		For Buff Or Gray, Add	*0.19*	
04 21 13 00-0023	LF	Window Sill, Roman Size Brick, Red, On Edge Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8".	18.96	
		For Buff Or Gray, Add	*0.20*	
04 21 26		**Glazed Structural Clay Tile Masonry** *(04 21)* Note: Includes tile and mortar in all colors.		
04 21 26 00-0001		6T Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	25.76	
		For Stacked Bond, Add	*1.77*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	28.58	
		For Stacked Bond, Add	*1.77*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	34.49	
		For Stacked Bond, Add	*1.85*	
04 21 26 00-0006		Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	27.28	
		For Stacked Bond, Add	*2.09*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	31.98	
		For Stacked Bond, Add	*2.09*	
04 21 26 00-0009		8W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0010		Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	19.86	
		For Stacked Bond, Add	*1.12*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	24.46	
		For Stacked Bond, Add	*1.20*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	33.28	
		For Stacked Bond, Add	*1.28*	
04 21 26 00-0014		Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	27.05	
		For Stacked Bond, Add	*1.44*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	27.01	
		For Stacked Bond, Add	*1.44*	
04 21 26 00-0017		4W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	26.81	
		For Stacked Bond, Add	*1.77*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	28.22	
		For Stacked Bond, Add	*1.77*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	34.66	
		For Stacked Bond, Add	*1.85*	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	28.14	
		For Stacked Bond, Add	*2.09*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	31.90	
		For Stacked Bond, Add	*2.09*	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	44.92	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	49.14	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	57.19	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	61.94	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	71.63	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	83.86	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001		Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0002		Lightweight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0003		Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	10.15	
		For Stacked Bond, Add	*2.22*	
		For Scored Block, Add	*0.32*	
		For Curved Wall Application, Add	*1.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.92*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	11.29	
		For Stacked Bond, Add	*2.40*	
		For Scored Block, Add	*0.41*	
		For Curved Wall Application, Add	*1.85*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.01*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	12.22	
		For Stacked Bond, Add	*2.58*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*1.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.04*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	13.45	
		For Stacked Bond, Add	*2.70*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.79*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	15.99	
		For Stacked Bond, Add	*3.30*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.27*	
04 22 23 13-0009		Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	10.91	
		For Stacked Bond, Add	*2.28*	
		For Scored Block, Add	*0.43*	
		For Curved Wall Application, Add	*1.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.29*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	11.97	
		For Stacked Bond, Add	*2.50*	
		For Scored Block, Add	*0.47*	
		For Curved Wall Application, Add	*1.93*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.62*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	12.62	
		For Stacked Bond, Add	*2.65*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	14.04	
		For Stacked Bond, Add	*2.78*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.30*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	16.67	
		For Stacked Bond, Add	*3.41*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*2.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.92*	
04 22 23 13-0015		Normalweight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0016		Cored, Normalweight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normalweight, Concrete Block	10.37	
		For Stacked Bond, Add	*2.28*	
		For Scored Block, Add	*0.32*	
		For Curved Wall Application, Add	*1.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.25*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normalweight, Concrete Block	11.48	
		For Stacked Bond, Add	*2.50*	
		For Scored Block, Add	*0.37*	
		For Curved Wall Application, Add	*1.93*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.58*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normalweight, Concrete Block	12.34	
		For Stacked Bond, Add	*2.65*	
		For Scored Block, Add	*0.43*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.47*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normalweight, Concrete Block	14.81	
		For Stacked Bond, Add	*2.78*	
		For Scored Block, Add	*0.82*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.36*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normalweight, Concrete Block	17.34	
		For Stacked Bond, Add	*3.41*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*2.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.97*	
04 22 23 13-0022		Solid, Normalweight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normalweight, Concrete Block	11.04	
		For Stacked Bond, Add	*2.34*	
		For Scored Block, Add	*0.41*	
		For Curved Wall Application, Add	*1.80*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.64*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normalweight, Concrete Block	11.81	
		For Stacked Bond, Add	*2.58*	
		For Scored Block, Add	*0.38*	
		For Curved Wall Application, Add	*1.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.01*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normalweight, Concrete Block	12.74	
		For Stacked Bond, Add	*2.74*	
		For Scored Block, Add	*0.44*	
		For Curved Wall Application, Add	*2.11*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.96*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normalweight, Concrete Block	13.99	
		For Stacked Bond, Add	*2.87*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.21*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.78*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normalweight, Concrete Block	16.63	
		For Stacked Bond, Add	*3.52*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.56*	
04 22 23 13-0028		Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0029		Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*		
		Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	11.77	
		For Stacked Bond, Add	*2.40*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.15*	
		For Scored Block, Add	*0.51*	
		For Curved Wall Application, Add	*1.85*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	12.97	
		For Stacked Bond, Add	*2.58*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.02*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*1.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	15.94	
		For Stacked Bond, Add	*3.30*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.60*	
		For Scored Block, Add	*0.65*	
		For Curved Wall Application, Add	*2.54*	

04 22 23 13-0033 Normalweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	11.80	
		For Stacked Bond, Add	*2.50*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.99*	
		For Scored Block, Add	*0.43*	
		For Curved Wall Application, Add	*1.93*	
04 22 23 13-0035	LF	8" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	12.91	
		For Stacked Bond, Add	*2.65*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.81*	
		For Scored Block, Add	*0.54*	
		For Curved Wall Application, Add	*2.04*	
04 22 23 13-0036	LF	12" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	15.99	
		For Stacked Bond, Add	*3.41*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.44*	
		For Scored Block, Add	*0.58*	
		For Curved Wall Application, Add	*2.62*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	13.29	
		For Stacked Bond, Add	*2.78*	
		For Scored Block, Add	*0.52*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.24*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	14.99	
		For Stacked Bond, Add	*3.13*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.28*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	16.21	
		For Stacked Bond, Add	*3.31*	
		For Scored Block, Add	*0.70*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.34*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	17.33	
		For Stacked Bond, Add	*3.50*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.51*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	20.58	
		For Stacked Bond, Add	*4.26*	
		For Scored Block, Add	*0.84*	
		For Curved Wall Application, Add	*3.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.87*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	17.86	
		For Stacked Bond, Add	*2.78*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.59*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	20.02	
		For Stacked Bond, Add	*3.02*	
		For Curved Wall Application, Add	*2.32*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.06*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	23.07	
		For Stacked Bond, Add	*3.31*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.86*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	13.60	
		For Stacked Bond, Add	*2.78*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.27*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	15.35	
		For Stacked Bond, Add	*3.13*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	16.62	
		For Stacked Bond, Add	*3.31*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.37*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.82	
		For Stacked Bond, Add	*3.50*	
		For Curved Wall Application, Add	*2.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.55*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.56	
		For Stacked Bond, Add	*4.26*	
		For Curved Wall Application, Add	*3.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.87*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	14.33	
		For Stacked Bond, Add	*2.78*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.98*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.32*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	16.18	
		For Stacked Bond, Add	*3.13*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.16*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.37*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	17.60	
		For Stacked Bond, Add	*3.31*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.24*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.45*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.91	
		For Stacked Bond, Add	*3.50*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.17*	
		For Curved Wall Application, Add	*2.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.63*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	21.60	
		For Stacked Bond, Add	*4.26*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.42*	
		For Curved Wall Application, Add	*3.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.95*	

04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

04 22 23 29-0015 Split Rib, Concrete Block *(04 22 23 29-0014)*

04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	13.37	
		For Stacked Bond, Add	*2.78*	
		For Curved Wall Application, Add	*2.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.25*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	15.89	
		For Stacked Bond, Add	*3.13*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.35*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	16.91	
		For Stacked Bond, Add	*3.31*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.39*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	18.05	
		For Stacked Bond, Add	*3.50*	
		For Curved Wall Application, Add	*2.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.56*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	21.38	
		For Stacked Bond, Add	*4.26*	
		For Curved Wall Application, Add	*3.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.93*	

04 22 23 31 Glazed Concrete Masonry Unit *(04 22 23)*

Note: Includes concrete block and mortar.

04 22 23 31-0001 One Glazed Face, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0002 One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*

04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	23.21	
		For Stacked Bond, Add	*2.70*	
		For Curved Wall Application, Add	*2.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.52*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	24.86	
		For Stacked Bond, Add	*2.97*	
		For Curved Wall Application, Add	*2.28*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.14*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	26.33	
		For Stacked Bond, Add	*3.13*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	27.89	
		For Stacked Bond, Add	*3.31*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.22*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	31.32	
		For Stacked Bond, Add	*4.01*	
		For Curved Wall Application, Add	*3.08*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.31*	
04 22 23 31-0008		Two Glazed Faces, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0009		Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*		
04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	30.90	
		For Stacked Bond, Add	*3.08*	
		For Curved Wall Application, Add	*2.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.18*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	32.42	
		For Stacked Bond, Add	*3.31*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.56*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	34.60	
		For Stacked Bond, Add	*3.65*	
		For Curved Wall Application, Add	*2.81*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.62*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	48.60	
		For Solar Reflective (Suntrol) Blocks, Add	*7.46*	
		For Essex (Horizontal Striated) Blocks, Add	*4.26*	
		For Sculptured Or Patterned Blocks, Add	*7.46*	
		For Colored Glass, Add	*21.32*	
		For Thinline Block, Deduct	*-5.33*	
		For >1,000 To 5,000, Deduct	*-3.78*	
		For >5,000, Deduct	*-6.21*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	35.15	
		For Solar Reflective (Suntrol) Blocks, Add	*5.28*	
		For Essex (Horizontal Striated) Blocks, Add	*3.02*	
		For Sculptured Or Patterned Blocks, Add	*5.28*	
		For Colored Glass, Add	*15.09*	
		For Thinline Block, Deduct	*-3.77*	
		For >1,000 To 5,000, Deduct	*-2.75*	
		For >5,000, Deduct	*-4.51*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	37.73	
		For Solar Reflective (Suntrol) Blocks, Add	*6.75*	
		For Essex (Horizontal Striated) Blocks, Add	*3.86*	
		For Sculptured Or Patterned Blocks, Add	*6.75*	
		For Colored Glass, Add	*19.28*	
		For Thinline Block, Deduct	*-4.82*	
		For >1,000 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-4.69*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	385.00
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	294.31
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	204.70
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	143.78

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	34.91	6.60
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	35.86	6.60

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels For Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	52.60	13.95
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	55.30	14.13

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	63.18	14.40
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	69.08	14.85
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	73.58	15.75
04 42 43 00-0007	CF	Marble Face Panel	304.61	51.30
04 42 43 00-0008		Smooth Limestone Panels *(04 42 43)*		
		Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	51.23	27.99
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	54.44	29.34
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	57.84	30.69
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	67.57	33.75
04 42 43 00-0013		Sandstone Panels *(04 42 43)*		
04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	59.59	29.34
04 42 43 00-0015	SF	4" Thick Sandstone Panels	64.95	33.75
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	58.82	33.75
04 43 Stone Masonry *(04 40)*				
04 43 16 Stone Fabrications *(04 43)*				
04 43 16 00-0001		Marble *(04 43 16)*		
04 43 16 00-0002		Marble Base *(04 43 16 00-0001)*		
		Note: 1" thick.		
04 43 16 00-0003	LF	4" High Marble Base	88.57	58.21
04 43 16 00-0004	LF	6" High Marble Base	99.68	63.41
04 43 16 00-0005		Marble Columns *(04 43 16 00-0001)*		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	215.99	51.30
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	346.20	51.30
04 43 16 00-0008		Marble Flooring *(04 43 16 00-0001)*		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	23.94	13.33
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	25.38	13.33
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	30.20	15.22
04 43 16 00-0012		Marble Items *(04 43 16 00-0001)*		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	59.24	21.02
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	45.36	16.85
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	27.88	12.46
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	51.47	15.30
04 43 16 00-0017	SF	7/8" Thick, Non Skid, Marble Patio Blocks	32.43	19.32
04 43 16 00-0018		Limestone *(04 43 16)*		
04 43 16 00-0019		Ashlar Veneer Limestone *(04 43 16 00-0018)*		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	55.52	21.02
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	85.10	28.88
04 43 16 00-0022		Limestone Coping *(04 43 16 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	26.20	7.20
04 43 16 00-0024	SF	3" Thick Limestone Coping	29.47	7.65
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	32.73	8.10
04 43 16 00-0026	SF	4" Thick Limestone Coping	35.09	8.37
04 43 16 00-0027	SF	5" Thick Limestone Coping	40.71	8.55
04 43 16 00-0028	SF	6" Thick Limestone Coping	60.23	9.00
04 43 16 00-0029	CF	>6" Thick Limestone Coping	99.91	18.93
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	30.79	6.75
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	32.81	7.20
04 43 16 00-0033	SF	3" Thick Limestone Treads	36.86	7.65
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	40.00	8.10
04 43 16 00-0035	SF	4" Thick Limestone Treads	43.15	8.10
04 43 16 00-0036	SF	5" Thick Limestone Treads	47.63	8.55
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	67.11	9.00
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	167.69	70.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0040		**Granite** *(04 43 16)*		
04 43 16 00-0041		**Polished Granite Veneer Facing Panels** *(04 43 16 00-0040)* Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	83.36	28.17
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	76.11	28.17
04 43 16 00-0044		**Granite Stair Treads** *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	48.69	6.75
04 43 16 00-0046		**Slate** *(04 43 16)*		
04 43 16 00-0047		**Slate Panels Or Sills** *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	53.08	28.17
04 43 16 00-0049	SF	2" Thick Slate Panels	63.14	28.17
04 43 16 00-0050		**Slate Sills Or Stools** *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	24.95	12.54
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	31.35	12.54
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	30.44	12.54
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	44.17	12.54
04 43 16 00-0055		**Slate Stair Treads** *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	37.02	6.75

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		**Rectangular Flue Liners** *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	14.57	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	19.65	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	22.52	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	27.93	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	33.62	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	38.05	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	41.61	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	50.77	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	54.16	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	69.27	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	75.41	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	88.97	
04 51 00 00-0014		**Round Flue Liners** *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	34.39	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	48.97	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	63.83	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	77.35	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	94.33	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	101.91	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	129.70	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	158.99	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	183.39	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	208.51	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	219.14	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	222.28	
04 51 00 00-0027		**Standard Chimney Block** *(04 51)* Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	24.03	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	25.96	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	26.15	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	27.38	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	28.73	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	30.18	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	33.94	

04 70 Manufactured Masonry *(04)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	12.44	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	15.32	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	18.58	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	13.30	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	15.85	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	24.54	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	42.78	10.25
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	47.94	11.04
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	55.21	11.83
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	59.22	12.62
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	63.26	13.41
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	74.93	14.19
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	85.18	14.99

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	31.18	7.89
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	46.10	7.89
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	54.15	7.89

04 72 00 00-0024 Cast Stone Veneer *(04 72)*

04 72 00 00-0025	SF	1" Thick Cast Stone Veneer	52.14	18.41

END OF SECTION 04

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 05 Common Work Results For Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.61	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.68	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.98	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.77	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.83	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.85	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.07	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.27*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.01	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.05	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.14	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.23*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.39	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.72	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.25*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.96	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.03	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.03*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.18	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.03*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.48	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.77	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.11	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.12	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.28*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.44	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.80*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.51	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.81*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.87	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.82*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.30	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.85*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.79	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	29.66	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.15	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.09*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.97	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.23*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.45	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.50*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.92	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.57*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.89	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.89	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.03*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	45.67	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.17*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	48.43	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.65*	
		For >100, Deduct	*-7.31*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	55.74	
		For >10 To 50, Deduct	*-2.09*	
		For >50 To 100, Deduct	*-4.52*	
		For >100, Deduct	*-9.04*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	57.73	
		For >10 To 50, Deduct	*-2.09*	
		For >50 To 100, Deduct	*-4.57*	
		For >100, Deduct	*-9.14*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.23	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.49	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.90	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.95*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	12.96	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.18	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.34	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.33*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	14.54	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.68	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.35*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.09	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.33	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.43	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	23.07	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	27.38	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.29*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	28.45	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.35*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	29.61	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.41*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.15	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-4.48*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	37.90	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.82*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.67	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.11*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	34.84	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.70	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.93	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.33*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	38.67	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	43.19	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.57	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.98*	
		For >100, Deduct	*-5.96*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	50.36	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.29*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	72.08	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.49*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	81.51	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-4.48*	
		For >100, Deduct	*-8.96*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	10.46	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.00	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.67	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	14.05	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.37*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	14.15	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.37*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	15.96	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.46*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.41	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	22.46	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.37	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.59*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.85	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.23	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.59*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.81	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.62*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	40.85	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.76*	
		For >100, Deduct	*-5.52*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	43.24	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.64*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	20.28	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	21.47	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	22.65	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	23.24	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.02	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	26.60	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.26*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	36.46	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.30*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.76	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-5.37*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	44.16	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.69*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	46.21	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.60*	
		For >100, Deduct	*-7.20*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.89	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.38*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	53.54	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.56*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.68	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.78	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.92	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.20	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.30	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.56	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.74	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.91	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.60	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.83	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.21*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.02	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.26	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.23*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.78	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.12	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.38	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-3.99*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.12	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.03*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.34	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.98	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.55	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.81*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.46	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.85*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	10.70	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.66	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.68	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.12	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.95	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	29.43	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.40*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.20	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.38	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.84	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	11.58	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.05*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	12.36	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	12.92	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	13.35	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.33*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.98	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	18.32	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	19.29	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	20.56	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	23.71	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	24.88	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.17*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	25.91	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.22*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	30.21	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.99*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	31.30	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.04*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.45	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.45	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.97	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.56	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	26.86	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	15.56	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	20.44	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	25.21	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	31.00	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.63*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	41.37	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.57*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	9.84	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.49	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	11.87	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	17.26	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.23*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	23.57	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	28.38	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.90*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.13	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	12.06	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.27*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	12.70	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.87	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.87	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.86	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.77*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	12.33	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.16*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	14.21	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	17.65	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	20.59	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	21.69	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	26.84	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.27*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	34.58	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.21*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	40.67	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	55.34	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.65*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	78.68	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-5.05*	
		For >100, Deduct	*-10.09*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	10.53	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.07*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	11.52	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	14.43	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.82*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.37	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.95	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.97*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	25.75	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.77*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	28.52	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.19*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	37.68	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.38*	
		For >100, Deduct	*-6.77*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	43.11	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-7.68*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	49.24	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-4.31*	
		For >100, Deduct	*-8.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	53.16	
		For >10 To 50, Deduct	*-2.15*	
		For >50 To 100, Deduct	*-4.55*	
		For >100, Deduct	*-9.10*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	58.43	
		For >10 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-4.82*	
		For >100, Deduct	*-9.64*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	68.97	
		For >10 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-5.36*	
		For >100, Deduct	*-10.73*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	91.29	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-6.06*	
		For >100, Deduct	*-12.12*	
05 05 19 00-0196		**Grout Concrete Anchor Bolt Or Threaded Rod** *(05 05 19 00-0169)*		
05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	3.74	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.73*	
05 05 19 00-0198		**Other Concrete And Masonry Anchors** *(05 05 19 00-0001)*		
05 05 19 00-0199		**Tapcon Masonry Screws** *(05 05 19 00-0198)*		
		Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	9.53	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	9.59	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	9.71	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	9.60	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	9.66	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	9.80	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0206		**Large Diameter, Self-Threading Concrete Fasteners** *(05 05 19 00-0198)*		
		Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	10.07	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	10.33	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	10.40	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	10.53	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	10.64	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	10.87	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	11.16	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	11.42	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.97*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	12.15	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	12.24	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	12.69	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	13.15	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	13.44	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.07*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	13.31	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.07*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	13.74	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.09*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	14.73	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.14*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	5.91	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.14*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	5.91	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.14*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	5.95	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.14*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	5.97	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.14*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.45	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.13*	
		For >100, Deduct	*-0.26*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	1.54	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.14*	
		For >100, Deduct	*-0.27*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	1.66	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.15*	
		For >100, Deduct	*-0.29*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	1.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.31*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	1.91	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.32*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Threshold Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	1.70	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.14*	
		For >100, Deduct	*-0.28*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	2.26	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.18*	
		For >100, Deduct	*-0.35*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	11.17	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	12.46	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.50	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	14.95	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.66	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.07*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.64	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	22.64	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.73*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	24.35	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	17.71	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.51	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	25.51	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	37.06	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.62*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	43.45	1.60
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.17*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	49.00	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.59*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	11.81	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	12.89	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	14.06	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.04*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	16.51	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	16.44	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.16*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.92	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.58*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	28.29	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.01*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	33.49	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.35	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.57*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	26.74	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	32.26	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.29*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	49.29	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.23*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	48.93	1.60
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	61.68	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	10.87	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	11.16	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	12.07	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	14.98	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	17.60	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.48*	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	13.34	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.01*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	16.33	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	18.79	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	23.55	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.63	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	19.29	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	22.23	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.79*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	24.18	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	17.42	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	21.16	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.79	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.01*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	32.32	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	30.73	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	35.04	1.60
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.75*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	41.43	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.21*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	49.00	1.83
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.73*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	11.44	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	11.65	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	13.27	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.00*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	15.83	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	16.78	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	13.89	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	17.02	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	19.87	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	26.11	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.99*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	18.94	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.25	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.61	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	31.31	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	20.00	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.51*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	27.06	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.03*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	29.74	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	38.42	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	38.17	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	40.73	1.60
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.03*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	47.95	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	55.80	1.83
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.07*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	12.52	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	18.07	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	19.37	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.57*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	14.27	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.05*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	17.39	1.23
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	20.51	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	26.89	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.03*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.71	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	19.63	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.58*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	29.21	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.14*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	19.94	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.99	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	27.84	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	35.23	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	45.79	1.60
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.29*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	48.12	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	50.15	1.83
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.79*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.28	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.31	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.42	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.60	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.40	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.23	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.52	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.80	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.41	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.07	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.09	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.50	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.85	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.43	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.04	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.77	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.91	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.91	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.55	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.85	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.57	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.80	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.19	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0233		EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.16	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0234		EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.61	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0235		EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.96	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0236		EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.86	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0237		EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.15	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0238		EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.71	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0239		EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.92	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0240		EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.22	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0241		EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.82	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0242		EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.78	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0243		EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.38	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0244		EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.19	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0245		EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.97	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0246			7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0247		EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.17	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0248		EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.39	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0249		EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.49	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0250		EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
			For >100 To 250, Deduct	*-1.70*	
			For >250 To 500, Deduct	*-2.13*	
			For >500, Deduct	*-2.55*	
05 05 23 00-0251		EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.56	
			For >100 To 250, Deduct	*-1.70*	
			For >250 To 500, Deduct	*-2.13*	
			For >500, Deduct	*-2.55*	
05 05 23 00-0252		EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.25	
			For >100 To 250, Deduct	*-1.70*	
			For >250 To 500, Deduct	*-2.13*	
			For >500, Deduct	*-2.55*	
05 05 23 00-0253		EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
			For >100 To 250, Deduct	*-1.73*	
			For >250 To 500, Deduct	*-2.17*	
			For >500, Deduct	*-2.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.00	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.55	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.16	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.06	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.85	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.76	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.60	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.37	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.20	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.84	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.13	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.13	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.24	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.29	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.15	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.05	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.94	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.95	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.86	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.77	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.39	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.52	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.68	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.07	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.10	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.16	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.15	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.78	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.98	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.84	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.06	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.18	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.57	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.97	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.18	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.78	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.51	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.50	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.28	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.30	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.69	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.94	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.85	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.23	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.41	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.04	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.53	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.28	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.87	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.60	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.78	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.86	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.08	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.67	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.57	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.34	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.46	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.01	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.06	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.59	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.12	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.89	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.95	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.45	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.18	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.61	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.00	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.34	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.78	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.26	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.96	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.46	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.04	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.53	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.59	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.68	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.75	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.55	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.46	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.37	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.91	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.47	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.22	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.52	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.61	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.68	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.01	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.93	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.48	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.79	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.27	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.59	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.49	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.09	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.24	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.58	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.69	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.08	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.39	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.88	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.36	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.58	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.29	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.31	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.80	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.20	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.25	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.07	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.91	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.05	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.21	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.41	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.26	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.75	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.22	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.77	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.53	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.62	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.74	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.09	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.44	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.97	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.34	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.05	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.77	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.90	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.50	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0596		**3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0472)*		
05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.91	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.82	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.73	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.01	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.26	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.95	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.61	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.75	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.96	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.82	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.14	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.19	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.71	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.65	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.76	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.64	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.77	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.73	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.93	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.05	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.39	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.69	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.40	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.19	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.82	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.59	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.04	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.58	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.82	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.48	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.43	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.13	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.60	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.30	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.23	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.90	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.15	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.28	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.27	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.09	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.16	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.82	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.63	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.93	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.48	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.23	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.58	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.62	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.58	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.15	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.60	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.88	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.23	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.23	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.61	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.75	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.41	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.85	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.36	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.58	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.55	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.95	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740		EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
			For >100 To 250, Deduct	*-1.50*	
			For >250 To 500, Deduct	*-1.88*	
			For >500, Deduct	*-2.25*	
05 05 23 00-0741		EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
			For >100 To 250, Deduct	*-1.50*	
			For >250 To 500, Deduct	*-1.88*	
			For >500, Deduct	*-2.25*	
05 05 23 00-0742		EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
			For >100 To 250, Deduct	*-1.53*	
			For >250 To 500, Deduct	*-1.92*	
			For >500, Deduct	*-2.30*	
05 05 23 00-0743		EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
			For >100 To 250, Deduct	*-1.53*	
			For >250 To 500, Deduct	*-1.92*	
			For >500, Deduct	*-2.30*	
05 05 23 00-0744		EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.63	
			For >100 To 250, Deduct	*-1.53*	
			For >250 To 500, Deduct	*-1.92*	
			For >500, Deduct	*-2.30*	
05 05 23 00-0745		EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.92	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0746		EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.05	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0747		EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.28	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-1.96*	
			For >500, Deduct	*-2.35*	
05 05 23 00-0748		EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0749		EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.99	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0750		EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.75	
			For >100 To 250, Deduct	*-1.60*	
			For >250 To 500, Deduct	*-2.00*	
			For >500, Deduct	*-2.40*	
05 05 23 00-0751		EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.97	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0752		EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.30	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0753		EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.69	
			For >100 To 250, Deduct	*-1.63*	
			For >250 To 500, Deduct	*-2.04*	
			For >500, Deduct	*-2.45*	
05 05 23 00-0754		EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.40	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0755		EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.03	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0756		EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.47	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	
05 05 23 00-0757		EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
			For >100 To 250, Deduct	*-1.67*	
			For >250 To 500, Deduct	*-2.08*	
			For >500, Deduct	*-2.50*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759		EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.85	
			For >100 To 250, Deduct	*-1.50*	
			For >250 To 500, Deduct	*-1.88*	
			For >500, Deduct	*-2.25*	
05 05 23 00-0760		EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.89	
			For >100 To 250, Deduct	*-1.50*	
			For >250 To 500, Deduct	*-1.88*	
			For >500, Deduct	*-2.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.65	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.87	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.87	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.23	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.92	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.30	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.51	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.62	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.25	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.88	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.21	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.80	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.26	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.85	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.44	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.90	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.56	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.24	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.09	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.29	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.69	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.17	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.76	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.31	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.53	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.12	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.36	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.63	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.97	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.11	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.19	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.49	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.04	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.90	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.09	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.22	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.48	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.76	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.04	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.23	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.40	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.29	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.39	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.80	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.11	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.03	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.62	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.63	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.07	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.53	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.06	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.91	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.83	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.91	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.79	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.16	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.80	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.71	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.59	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.81	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.35	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.88	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.18	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.06	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.31	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.62	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.11	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.92	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.77	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.01	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.43	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.93	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.02	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.52	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.70	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.35	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.23	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.41	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0931		3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*		
05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.90	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.92	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.70	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.50	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.43	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.95	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.20	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.51	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.03	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.41	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.48	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0951		7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*		
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.23	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.27	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.41	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.78	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.72	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.22	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.48	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.66	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.02	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.92	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.85	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.62	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.75	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0970		1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*		
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.65	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.05	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.09	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.78	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.85	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.04	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.79	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.60	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.70	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.39	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.50	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.38	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.27	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.20	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.91	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.22	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	72.57	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0992	EA	1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0993	EA	1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-0994	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995	EA	1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.76	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0996	EA	1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0997	EA	1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-0998	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.40	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-0999	EA	1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1000	EA	1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1001	EA	1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.19	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1002	EA	1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.31	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1003	EA	1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1004	EA	1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	18.03	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-1005	EA	1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.53	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-1006	EA	1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.16	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.29	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.68	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.77	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.29	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	18.79	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.68	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.97	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.75*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-1.80*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-1.85*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	10.83	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	13.09	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.41	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	20.00	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-1.95*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.78	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.77	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.11	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.48	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.89	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.79	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.58	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.90	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.26	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.03	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.06	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.26	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	23.25	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.67	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	32.06	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.62	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	33.48	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.72	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.94	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	23.02	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.00*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.48	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	27.89	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.30	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	31.98	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.97	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	35.73	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.10*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.42	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	37.98	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.14	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.25	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.87	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	18.46	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	20.50	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.98	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	25.40	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.85	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.47	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.10	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	30.48	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.05	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	44.08	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.10	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.25*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.87	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.89	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.30*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.25	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.15	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.64	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.35*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.47	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.60	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.08	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	33.29	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.21	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.80	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.32	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	46.27	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.78	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	48.03	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.64	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.35	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.66	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	22.72	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.11	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	27.23	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.48	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	28.51	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.25	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	41.27	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	47.46	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.27	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.04	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.80	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	55.78	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1144		1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.50*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.93	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	23.62	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.32	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.55*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	27.44	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.27	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	31.12	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.14	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	37.92	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.62	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-2.65*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	49.22	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.63	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	55.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.34	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	58.08	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.06	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	75.73	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1162		Screws *(05 05 23)*		
05 05 23 00-1163		Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*		
		Note: Screws include Climaseal® finish, self-drill point and tapping threads.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	3.07	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.29*	
		For >100, Deduct	*-0.57*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.17	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.29*	
		For >100, Deduct	*-0.58*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.51	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.62*	
05 05 23 00-1167	EA	1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.73	
		For >10 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1168	EA	1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	5.03	
		For >10 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.84*	
05 05 23 00-1169	EA	1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	6.03	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.91*	
05 05 23 00-1170	EA	1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	6.68	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.49*	
		For >100, Deduct	*-0.97*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.42	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.47*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.68	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.90	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.97	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.11	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.51*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.74	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.84	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.06	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.12	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.51*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.80	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.83	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.92	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.22	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.97	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.04	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.32	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.52*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.76	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.27*	
		For >100, Deduct	*-0.54*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.66	0.42
		For Left Hand Threaded Rod, Add	*0.08*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.14	0.47
		For Left Hand Threaded Rod, Add	*0.12*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.49	0.53
		For Left Hand Threaded Rod, Add	*0.14*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.30	0.55
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.39	0.57
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.17	0.57
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.67	0.58
		For Left Hand Threaded Rod, Add	*0.35*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.56	0.60
		For Left Hand Threaded Rod, Add	*0.64*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.24	0.62
		For Left Hand Threaded Rod, Add	*0.70*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.21	0.70
		For Left Hand Threaded Rod, Add	*0.98*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.93	0.79
		For Left Hand Threaded Rod, Add	*1.24*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.44	0.86
		For Left Hand Threaded Rod, Add	*1.67*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.88	0.93
		For Left Hand Threaded Rod, Add	*2.10*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.34	0.97
		For Left Hand Threaded Rod, Add	*2.54*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.47	1.02
		For Left Hand Threaded Rod, Add	*3.14*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	42.69	1.07
		For Left Hand Threaded Rod, Add	*4.06*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.67	0.42
		For Left Hand Threaded Rod, Add	*0.08*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.41	0.47
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.69	0.53
		For Left Hand Threaded Rod, Add	*0.16*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.80	0.55
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.09	0.57
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.31	0.57
		For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.63	0.58
		For Left Hand Threaded Rod, Add	*0.45*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.38	0.60
		For Left Hand Threaded Rod, Add	*0.72*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.81	0.62
		For Left Hand Threaded Rod, Add	*0.96*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	14.46	0.70
		For Left Hand Threaded Rod, Add	*1.30*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.63	0.79
		For Left Hand Threaded Rod, Add	*1.71*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	22.22	0.86
		For Left Hand Threaded Rod, Add	*2.04*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	25.22	0.93
		For Left Hand Threaded Rod, Add	*2.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.71	0.97
		For Left Hand Threaded Rod, Add	*2.98*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.24	1.02
		For Left Hand Threaded Rod, Add	*3.72*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	57.14	1.07
		For Left Hand Threaded Rod, Add	*5.50*	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.32	0.53
		For Left Hand Threaded Rod, Add	*0.33*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.00	0.57
		For Left Hand Threaded Rod, Add	*0.49*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	8.04	0.58
		For Left Hand Threaded Rod, Add	*0.69*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.98	0.60
		For Left Hand Threaded Rod, Add	*0.98*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	15.15	0.62
		For Left Hand Threaded Rod, Add	*1.39*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.51	0.70
		For Left Hand Threaded Rod, Add	*1.81*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	25.62	0.79
		For Left Hand Threaded Rod, Add	*2.40*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	33.65	0.86
		For Left Hand Threaded Rod, Add	*3.19*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	37.59	0.93
		For Left Hand Threaded Rod, Add	*3.57*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	44.71	0.97
		For Left Hand Threaded Rod, Add	*4.28*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	54.27	1.02
		For Left Hand Threaded Rod, Add	*5.22*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	94.53	1.07
		For Left Hand Threaded Rod, Add	*9.24*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.19	0.42
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.22	0.47
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.12	0.53
		For Left Hand Threaded Rod, Add	*0.31*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.63	0.55
		For Left Hand Threaded Rod, Add	*0.45*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.72	0.57
		For Left Hand Threaded Rod, Add	*0.56*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.56	0.57
		For Left Hand Threaded Rod, Add	*0.84*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.97	0.58
		For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.87	0.60
		For Left Hand Threaded Rod, Add	*1.27*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	18.99	0.62
		For Left Hand Threaded Rod, Add	*1.77*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	24.32	0.70
		For Left Hand Threaded Rod, Add	*2.29*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	51.21	0.86
		For Left Hand Threaded Rod, Add	*4.94*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	77.81	0.97
		For Left Hand Threaded Rod, Add	*7.59*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	80.05	1.02
		For Left Hand Threaded Rod, Add	*7.80*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	110.62	1.07
		For Left Hand Threaded Rod, Add	*10.85*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	3.09	0.42
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	4.88	0.47
		For Left Hand Threaded Rod, Add	*0.39*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	6.45	0.53
		For Left Hand Threaded Rod, Add	*0.54*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	9.94	0.55
		For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	10.54	0.57
		For Left Hand Threaded Rod, Add	*0.94*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	13.75	0.57
		For Left Hand Threaded Rod, Add	*1.26*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	14.79	0.58
		For Left Hand Threaded Rod, Add	*1.36*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	21.44	0.60
		For Left Hand Threaded Rod, Add	*2.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	29.28	0.62
		For Left Hand Threaded Rod, Add	*2.80*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	37.01	0.70
		For Left Hand Threaded Rod, Add	*3.56*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	77.88	0.86
		For Left Hand Threaded Rod, Add	*7.61*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	102.00	0.97
		For Left Hand Threaded Rod, Add	*10.01*	
05 05 23 00-1266		Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*		
05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.78	0.42
		For Zinc Plating, Add	*0.96*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.23	0.47
		For Zinc Plating, Add	*1.65*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.44	0.53
		For Zinc Plating, Add	*1.69*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.83	0.55
		For Zinc Plating, Add	*1.87*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.32	0.57
		For Zinc Plating, Add	*2.09*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.61	0.57
		For Zinc Plating, Add	*2.73*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.82	0.58
		For Zinc Plating, Add	*2.82*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.01	0.60
		For Zinc Plating, Add	*3.90*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.78	0.62
		For Zinc Plating, Add	*4.76*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.96	0.70
		For Zinc Plating, Add	*6.27*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.13	0.79
		For Zinc Plating, Add	*8.28*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	20.18	0.86
		For Zinc Plating, Add	*9.20*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	23.26	0.93
		For Zinc Plating, Add	*10.71*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	28.26	0.97
		For Zinc Plating, Add	*13.16*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	29.21	1.02
		For Zinc Plating, Add	*13.59*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	39.14	1.07
		For Zinc Plating, Add	*18.51*	
05 05 23 00-1283		Nuts And Washers *(05 05 23)*		
05 05 23 00-1284		Hex Nuts *(05 05 23 00-1283)*		
05 05 23 00-1285		Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.52	0.23
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.23
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.23
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.23
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.23
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.23
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.13	0.23
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.33	0.46
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.98	0.46
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.54	0.46
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.19	0.46
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.15	0.46
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	7.63	0.46
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.86	0.69
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	13.05	0.69
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	18.91	0.69
05 05 23 00-1302		Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.54	0.23
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.59	0.23
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.65	0.23
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.77	0.23
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.91	0.23
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.11	0.23
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.15	0.23
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.52	0.46
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.17	0.46
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.09	0.46
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.75	0.46
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.76	0.46
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	9.98	0.46
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	11.04	0.69

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	20.01	0.69
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	28.73	0.69
05 05 23 00-1319		Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.55	0.23
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.64	0.23
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.69	0.23
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.89	0.23
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.08	0.23
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.30	0.23
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.49	0.23
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.86	0.46
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.82	0.46
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.78	0.46
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.96	0.46
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.46	0.46
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.36	0.46
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.12	0.69
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	20.07	0.69
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	28.41	0.69
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.23
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.23
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.67	0.23
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.23
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.23
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.23
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.23
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.69	0.46
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.48	0.46
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.45	0.46
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.76	0.46
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.42	0.46
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	11.06	0.46
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.92	0.69
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	22.61	0.69
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	39.21	0.69
05 05 23 00-1353		304 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.57	0.23
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.66	0.23
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.73	0.23
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.04	0.23
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.12	0.23
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	1.62	0.23
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	1.80	0.23
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	2.05	0.46
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	3.27	0.46
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	4.95	0.46
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	11.68	0.46
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	22.24	0.69
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	38.93	0.69
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	55.37	0.69
05 05 23 00-1368		316 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.64	0.23
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.73	0.23
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	0.85	0.23
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.32	0.23
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	1.41	0.23
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	1.87	0.23
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	2.10	0.23
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	2.88	0.46
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	3.94	0.46
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	6.02	0.46
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	17.98	0.46
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	28.96	0.69
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	48.71	0.69
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	90.33	0.69
05 05 23 00-1383		Flat Washers *(05 05 23 00-1283)*		
05 05 23 00-1384		Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.18	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.27	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.30	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.51	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.74	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.88	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.08	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.22	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.46	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.29	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.35	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.47	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.31	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.16	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.22	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.25	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.34	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.46	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.74	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.06	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.49	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.49	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.76	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.02	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.38	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.78	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.61	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.89	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	10.66	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.10	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.15	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.17	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.31	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.40	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.65	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.73	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.10	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.55	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.71	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.61	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.90	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.15	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.49	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	6.52	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.08	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.11	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.16	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.29	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.53	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.66	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.97	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.99	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.09	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.64	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.08	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.31	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.50	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.27	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.30	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	10.42	
05 05 23 00-1451		316 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.16	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.18	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.31	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.37	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.69	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.24	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	1.46	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	1.84	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.85	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	3.18	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.62	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.46	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.72	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	4.83	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.07	

05 05 23 00-1467 Lock Washers *(05 05 23 00-1283)*

05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.17	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.29	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.49	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.88	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.29	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.13	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.68	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	6.58	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.41	

05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*

05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.22	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.34	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.57	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.29	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.33	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.78	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.02	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.60	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.22	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.47	

05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*

05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.07	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.10	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.14	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.25	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.28	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.68	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.80	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.94	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.70	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.40	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.18	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.56	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.07	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	8.48	

05 05 23 00-1517 316 Stainless Steel Lock Washers *(05 05 23 00-1467)*

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.08	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.19	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.21	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.37	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.41	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.73	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.80	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.38	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	2.28	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	3.10	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.33	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	6.66	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	11.93	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	13.25	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.14	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.43	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.62	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.97	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.59	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.97	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.71	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.85	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.83	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.71	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.02	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.94	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.59	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.25	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.41	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.07	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	11.48	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.63	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.54	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.61	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.70	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.49	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.73	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.09	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.32	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.32	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.63	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.98	
05 05 23 00-1567		Drilling In Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	35.68	
		For Aluminum, Deduct	*-3.57*	
		For Stainless Steel, Add	*4.46*	
05 05 23 00-1569	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	23.79	
		For Aluminum, Deduct	*-2.38*	
		For Stainless Steel, Add	*2.97*	
05 05 23 00-1570	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	31.40	
		For Aluminum, Deduct	*-3.14*	
		For Stainless Steel, Add	*3.93*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	26.64	
		For Aluminum, Deduct	*-2.66*	
		For Stainless Steel, Add	*3.33*	
05 05 23 00-1572	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	38.06	
05 05 23 00-1573	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	35.68	
		For Aluminum, Deduct	*-3.57*	
		For Stainless Steel, Add	*4.46*	
05 05 23 00-1574		Welded Stud Anchors *(05 05 23)*		
05 05 23 00-1575	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	2.96	
05 05 23 00-1576	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	3.02	
05 05 23 00-1577	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.04	
05 05 23 00-1578	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.06	
05 05 23 00-1579	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	2.95	
05 05 23 00-1580	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	3.09	
05 05 23 00-1581	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	3.23	
05 05 23 00-1582	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	3.30	
05 05 23 00-1583	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.38	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1584	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.67	
05 05 23 00-1585	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors	3.91	
05 05 23 00-1586	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	4.10	
05 05 23 00-1587	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors	3.57	
05 05 23 00-1588	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	3.59	
05 05 23 00-1589	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	3.81	
05 05 23 00-1590	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	4.02	
05 05 23 00-1591	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	4.28	
05 05 23 00-1592	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	4.68	
05 05 23 00-1593	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors	4.93	
05 05 23 00-1594	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	5.64	
05 05 23 00-1595	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors	6.96	
05 05 23 00-1596	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	5.00	
05 05 23 00-1597	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors	5.33	
05 05 23 00-1598	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors	5.61	
05 05 23 00-1599	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors	5.88	
05 05 23 00-1600	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors	6.10	
05 05 23 00-1601	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors	6.31	
05 05 23 00-1602	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors	6.58	
05 05 23 00-1603	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors	7.71	
05 05 23 00-1604	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors	9.28	

05 05 23 00-1605 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1606 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1607	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	6.35	
05 05 23 00-1608	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	6.59	
05 05 23 00-1609	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	6.65	
05 05 23 00-1610	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	6.69	
05 05 23 00-1611	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	6.96	
05 05 23 00-1612	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	7.45	
05 05 23 00-1613	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	12.26	
05 05 23 00-1614	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	8.03	
05 05 23 00-1615	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	8.91	
05 05 23 00-1616	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	11.86	
05 05 23 00-1617	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	12.14	
05 05 23 00-1618	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	13.09	
05 05 23 00-1619	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	17.12	

05 05 23 00-1620 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1621	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	7.55	
05 05 23 00-1622	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	7.93	
05 05 23 00-1623	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	8.32	
05 05 23 00-1624	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	9.42	
05 05 23 00-1625	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	12.46	
05 05 23 00-1626	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	13.62	
05 05 23 00-1627	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	14.77	
05 05 23 00-1628	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	18.00	

05 05 23 00-1629 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1630	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	10.06	
05 05 23 00-1631	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	11.24	
05 05 23 00-1632	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	12.98	
05 05 23 00-1633	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	16.82	
05 05 23 00-1634	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	18.64	
05 05 23 00-1635	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	20.46	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel For Buildings *(05 12)*

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	6,356.68	988.46
		For ASTM A242 Type 2 High Strength Steel, Add	*344.94*	
		For Hot Dip Galvanizing, Add	*1,207.30*	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	4,220.35	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*283.10*	
		For Hot Dip Galvanizing, Add	*990.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	3,525.03	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*251.33*	
		For Hot Dip Galvanizing, Add	*879.65*	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	2,352.16	191.33
		For ASTM A242 Type 2 High Strength Steel, Add	*171.81*	
		For Hot Dip Galvanizing, Add	*601.34*	
05 12 23 00-0007		**Trusses, Built-Up** *(05 12 23 00-0001)*		
05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	4,476.26	672.24
		For ASTM A242 Type 2 High Strength Steel, Add	*300.77*	
		For Hot Dip Galvanizing, Add	*1,052.68*	
05 12 23 00-0009		**Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0010		**Rolled Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0011	TON	Up To 10 LB/LF Rolled Shape Steel Angles	9,289.38	1,837.54
		For ASTM A242 Type 2 High Strength Steel, Add	*498.14*	
		For Hot Dip Galvanizing, Add	*1,743.51*	
05 12 23 00-0012	TON	>10-20 LB/LF Rolled Shape Steel Angles	8,001.50	1,078.37
		For ASTM A242 Type 2 High Strength Steel, Add	*476.53*	
		For Hot Dip Galvanizing, Add	*1,667.85*	
05 12 23 00-0013	TON	>20-58 LB/LF Rolled Shape Steel Angles	5,921.45	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*419.19*	
		For Hot Dip Galvanizing, Add	*1,467.18*	
05 12 23 00-0014		**Rolled C, MC Steel Channels** *(05 12 23 00-0009)*		
05 12 23 00-0015	TON	Up To 10 LB/LF Rolled C, MC Steel Channels	10,346.24	2,516.20
		For ASTM A242 Type 2 High Strength Steel, Add	*490.63*	
		For Hot Dip Galvanizing, Add	*1,717.19*	
05 12 23 00-0016	TON	>10-20 LB/LF Rolled C, MC Steel Channels	7,919.26	1,917.10
		For ASTM A242 Type 2 High Strength Steel, Add	*469.95*	
		For Hot Dip Galvanizing, Add	*1,644.82*	
05 12 23 00-0017	TON	>20-58 LB/LF Rolled C, MC Steel Channels	5,827.46	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*411.67*	
		For Hot Dip Galvanizing, Add	*1,440.86*	
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 LB/LF Double L Shape Steel Angles	8,543.98	1,457.96
		For ASTM A242 Type 2 High Strength Steel, Add	*479.35*	
		For Hot Dip Galvanizing, Add	*1,677.71*	
05 12 23 00-0020	TON	>20-50 LB/LF Double L Shape Steel Angles	6,320.90	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*451.15*	
		For Hot Dip Galvanizing, Add	*1,579.02*	
05 12 23 00-0021	TON	>50-80 LB/LF Double L Shape Steel Angles	4,730.44	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*347.76*	
		For Hot Dip Galvanizing, Add	*1,217.17*	
05 12 23 00-0022	TON	>80-115 LB/LF Double L Shape Steel Angles	3,023.86	191.61
		For ASTM A242 Type 2 High Strength Steel, Add	*225.58*	
		For Hot Dip Galvanizing, Add	*789.51*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes	7,684.28	1,078.37
		For ASTM A242 Type 2 High Strength Steel, Add	*451.15*	
		For Hot Dip Galvanizing, Add	*1,579.02*	
05 12 23 00-0025	TON	>30-65 LB/LF Structural WT, MT, ST Tee Shapes	4,993.41	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*344.94*	
		For Hot Dip Galvanizing, Add	*1,207.30*	
05 12 23 00-0026	TON	>65-100 LB/LF Structural WT, MT, ST Tee Shapes	3,908.03	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*281.97*	
		For Hot Dip Galvanizing, Add	*986.89*	
05 12 23 00-0027	TON	>100-365 LB/LF Structural WT, MT, ST Tee Shapes	2,859.70	191.33
		For ASTM A242 Type 2 High Strength Steel, Add	*212.42*	
		For Hot Dip Galvanizing, Add	*743.46*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 LB/LF Combination Section - W Shapes And Angles	7,320.07	1,078.37
		For ASTM A242 Type 2 High Strength Steel, Add	*422.01*	
		For Hot Dip Galvanizing, Add	*1,477.04*	
05 12 23 00-0031	TON	>30-65 LB/LF Combination Section - W Shapes And Angles	5,028.66	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*347.76*	
		For Hot Dip Galvanizing, Add	*1,217.17*	
05 12 23 00-0032	TON	>65-100 LB/LF Combination Section - W Shapes And Angles	3,614.31	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*258.47*	
		For Hot Dip Galvanizing, Add	*904.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033	TON	>100-300 LB/LF Combination Section - W Shapes And Angles	3,094.35	191.33
		For ASTM A242 Type 2 High Strength Steel, Add	*231.21*	
		For Hot Dip Galvanizing, Add	*809.25*	
05 12 23 00-0034	TON	>300-500 LB/LF Combination Section - W Shapes And Angles	2,651.72	96.04
		For ASTM A242 Type 2 High Strength Steel, Add	*203.96*	
		For Hot Dip Galvanizing, Add	*713.85*	
05 12 23 00-0035		Combination Section, S Shapes And Angles *(05 12 23 00-0028)*		
05 12 23 00-0036	TON	>30-65 LB/LF Combination Section - S Shapes And Angles	4,840.68	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*332.72*	
		For Hot Dip Galvanizing, Add	*1,164.53*	
05 12 23 00-0037	TON	>65-100 LB/LF Combination Section - S Shapes And Angles	3,626.06	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*259.41*	
		For Hot Dip Galvanizing, Add	*907.94*	
05 12 23 00-0038		Combination Section, Channels And Angles *(05 12 23 00-0028)*		
05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	7,684.28	1,078.37
		For ASTM A242 Type 2 High Strength Steel, Add	*451.15*	
		For Hot Dip Galvanizing, Add	*1,579.02*	
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	5,263.63	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*366.56*	
		For Hot Dip Galvanizing, Add	*1,282.96*	
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	3,708.30	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*265.99*	
		For Hot Dip Galvanizing, Add	*930.97*	
05 12 23 00-0042		Standard Weight Pipe *(05 12 23 00-0001)*		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	4,279.07	575.14
		For ASTM A242 Type 2 High Strength Steel, Add	*293.25*	
		For Hot Dip Galvanizing, Add	*1,026.37*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	4,596.91	718.91
		For ASTM A242 Type 2 High Strength Steel, Add	*306.41*	
		For Hot Dip Galvanizing, Add	*1,072.42*	
05 12 23 00-0045		Structural Steel Shapes *(05 12 23)*		
05 12 23 00-0046		Steel Rods *(05 12 23 00-0045)*		
05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	4,567.82	449.37
		For ASTM A242 Type 2 High Strength Steel, Add	*327.08*	
		For Hot Dip Galvanizing, Add	*1,144.79*	
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	5,263.63	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*366.56*	
		For Hot Dip Galvanizing, Add	*1,282.96*	
05 12 23 00-0049		Column Base Plates *(05 12 23 00-0045)*		
05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	2.39	0.59
		For ASTM A242 Type 2 High Strength Steel, Add	*0.14*	
		For Hot Dip Galvanizing, Add	*0.49*	
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	2.23	0.51
		For ASTM A242 Type 2 High Strength Steel, Add	*0.13*	
		For Hot Dip Galvanizing, Add	*0.47*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	4,203.02	533.16
		For ASTM A242 Type 2 High Strength Steel, Add	*290.74*	
		For Hot Dip Galvanizing, Add	*1,017.61*	
05 12 23 00-0053	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	2,969.88	319.90
		For ASTM A242 Type 2 High Strength Steel, Add	*210.29*	
		For Hot Dip Galvanizing, Add	*736.02*	
05 12 23 00-0054		Double Extra Strong Pipes *(05 12 23 00-0045)*		
05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	5,552.37	821.58
		For ASTM A242 Type 2 High Strength Steel, Add	*374.08*	
		For Hot Dip Galvanizing, Add	*1,309.27*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	5,147.88	442.37
		For ASTM A242 Type 2 High Strength Steel, Add	*374.08*	
		For Hot Dip Galvanizing, Add	*1,309.27*	
05 12 23 00-0057		Structural Pipes *(05 12 23 00-0045)*		
05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	3,873.67	379.59
		For ASTM A242 Type 2 High Strength Steel, Add	*263.17*	
		For Hot Dip Galvanizing, Add	*921.10*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	4,255.42	437.77
		For ASTM A242 Type 2 High Strength Steel, Add	*263.17*	
		For Hot Dip Galvanizing, Add	*921.10*	
05 12 23 00-0060		Structural Tubing *(05 12 23 00-0045)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061		**Rectangle Structural Tubing** *(05 12 23 00-0060)*		
05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle	6,283.33	383.42
		For ASTM A242 Type 2 High Strength Steel, Add	*469.95*	
		For Hot Dip Galvanizing, Add	*1,644.82*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	6,346.25	442.37
		For ASTM A242 Type 2 High Strength Steel, Add	*469.95*	
		For Hot Dip Galvanizing, Add	*1,644.82*	
05 12 23 00-0064	TON	5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	5,563.17	479.28
		For ASTM A242 Type 2 High Strength Steel, Add	*404.16*	
		For Hot Dip Galvanizing, Add	*1,414.54*	
05 12 23 00-0065	TON	6" x 4", 3 ", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	5,312.96	575.14
		For ASTM A242 Type 2 High Strength Steel, Add	*375.96*	
		For Hot Dip Galvanizing, Add	*1,315.85*	
05 12 23 00-0066	TON	7" x 5", 4 ", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	5,028.66	638.97
		For ASTM A242 Type 2 High Strength Steel, Add	*347.76*	
		For Hot Dip Galvanizing, Add	*1,217.17*	
05 12 23 00-0067	TON	8" x 6", 4 ", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	5,290.24	884.27
		For ASTM A242 Type 2 High Strength Steel, Add	*347.76*	
		For Hot Dip Galvanizing, Add	*1,217.17*	
05 12 23 00-0068	TON	10" x 6", 4 ", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	5,687.91	1,168.96
		For ASTM A242 Type 2 High Strength Steel, Add	*355.28*	
		For Hot Dip Galvanizing, Add	*1,243.48*	
05 12 23 00-0069	TON	12" x 6", 4 ", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	5,850.07	1,276.89
		For ASTM A242 Type 2 High Strength Steel, Add	*359.04*	
		For Hot Dip Galvanizing, Add	*1,256.64*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	6,021.69	1,437.83
		For ASTM A242 Type 2 High Strength Steel, Add	*359.04*	
		For Hot Dip Galvanizing, Add	*1,256.64*	
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	7,663.04	3,020.69
		For ASTM A242 Type 2 High Strength Steel, Add	*355.28*	
		For Hot Dip Galvanizing, Add	*1,243.48*	
05 12 23 00-0072	TON	18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	6,368.43	1,917.10
		For ASTM A242 Type 2 High Strength Steel, Add	*345.88*	
		For Hot Dip Galvanizing, Add	*1,210.59*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	9,263.04	4,410.59
		For ASTM A242 Type 2 High Strength Steel, Add	*364.68*	
		For Hot Dip Galvanizing, Add	*1,276.38*	
05 12 23 00-0074		**Square Structural Tubing** *(05 12 23 00-0060)*		
05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	6,257.77	359.46
		For ASTM A242 Type 2 High Strength Steel, Add	*469.95*	
		For Hot Dip Galvanizing, Add	*1,644.82*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	6,283.33	383.42
		For ASTM A242 Type 2 High Strength Steel, Add	*469.95*	
		For Hot Dip Galvanizing, Add	*1,644.82*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	5,680.65	479.28
		For ASTM A242 Type 2 High Strength Steel, Add	*413.55*	
		For Hot Dip Galvanizing, Add	*1,447.44*	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	5,665.42	575.14
		For ASTM A242 Type 2 High Strength Steel, Add	*404.16*	
		For Hot Dip Galvanizing, Add	*1,414.54*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	4,620.41	718.91
		For ASTM A242 Type 2 High Strength Steel, Add	*308.29*	
		For Hot Dip Galvanizing, Add	*1,079.00*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	4,729.96	821.58
		For ASTM A242 Type 2 High Strength Steel, Add	*308.29*	
		For Hot Dip Galvanizing, Add	*1,079.00*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	5,080.51	1,150.26
		For ASTM A242 Type 2 High Strength Steel, Add	*308.29*	
		For Hot Dip Galvanizing, Add	*1,079.00*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	5,457.75	1,437.83
		For ASTM A242 Type 2 High Strength Steel, Add	*313.92*	
		For Hot Dip Galvanizing, Add	*1,098.74*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	6,603.40	1,917.10
		For ASTM A242 Type 2 High Strength Steel, Add	*364.68*	
		For Hot Dip Galvanizing, Add	*1,276.38*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	7,625.85	2,875.66
		For ASTM A242 Type 2 High Strength Steel, Add	*364.68*	
		For Hot Dip Galvanizing, Add	*1,276.38*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	7,524.26	3,375.16
		For ASTM A242 Type 2 High Strength Steel, Add	*313.92*	
		For Hot Dip Galvanizing, Add	*1,098.74*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	9,169.05	4,410.59
		For ASTM A242 Type 2 High Strength Steel, Add	*357.16*	
		For Hot Dip Galvanizing, Add	*1,250.06*	
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square	10,693.22	5,751.31
		For ASTM A242 Type 2 High Strength Steel, Add	*364.68*	
		For Hot Dip Galvanizing, Add	*1,276.38*	
05 12 23 00-0088		**Structural Shapes** *(05 12 23 00-0045)*		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089	TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	6,625.05	2,132.64
		For ASTM A242 Type 2 High Strength Steel, Add	*259.19*	
		For Hot Dip Galvanizing, Add	*907.17*	
		For >20 To 50 LB/LF, Deduct	*-831.76*	
		For >50 To 75 LB/LF, Deduct	*-1,332.27*	
		For >75 To 100 LB/LF, Deduct	*-1,832.78*	
05 12 23 00-0090	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF	4,894.05	853.05
		For ASTM A242 Type 2 High Strength Steel, Add	*300.77*	
		For Hot Dip Galvanizing, Add	*1,052.70*	
		For >21.5 To 50 LB/LF, Deduct	*-546.12*	
05 12 23 00-0091	LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.82	0.19
05 12 23 00-0092	LB	Structural Shapes, Galvanized Pipe Supports	3.40	0.19
05 12 23 00-0093		**Built-Up Trusses** *(05 12 23 00-0045)*		
05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	5,088.45	287.56
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,999.12	159.69
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,437.24	84.54
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,314.73	79.94
05 12 23 00-0098		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0045)* Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	18.42	6.14
05 12 23 00-0100	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	27.63	9.18
05 12 23 00-0101	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	36.86	12.25
05 12 23 00-0102	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	46.08	15.31
05 12 23 00-0103	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	55.29	18.28
05 12 23 00-0104	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	64.50	21.43
05 12 23 00-0105	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	73.71	24.49
05 12 23 00-0106	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	82.92	27.55
05 12 23 00-0107	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	92.14	30.61
05 12 23 00-0108	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	101.35	33.68
05 12 23 00-0109	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	110.57	36.74
05 12 23 00-0110	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	119.78	39.80
05 12 23 00-0111	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	128.99	42.86
05 12 23 00-0112	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	138.21	45.92
05 12 23 00-0113	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	147.42	48.98
05 12 23 00-0114		**Accessories For Steel** *(05 12 23)*		
05 12 23 00-0115		**Field Painting For Touch-Up Of Shop Prime Coat** *(05 12 23 00-0114)*		
05 12 23 00-0116	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.75	
05 12 23 00-0117		**Connection And Stiffener Plates** *(05 12 23 00-0114)* Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,853.77	
05 12 23 00-0119	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	9,260.39	
05 12 23 00-0120	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0121	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0122	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0123	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0124	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0125	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	7,161.25	
05 12 23 00-0126	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,713.67	
05 12 23 00-0127	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,713.67	
05 12 23 00-0128	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,713.67	
05 12 23 00-0129		**Spot Welding** *(05 12 23 00-0114)* See CSI section 05 12 23 00-0132 for a series of welds.		
05 12 23 00-0130	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.52	
		For Aluminum Welding, Add	*1.47*	
		For Stainless Steel Welding, Add	*2.43*	
05 12 23 00-0131	EA	>15 Spot Weldings, Welds Up To 1" Length Each	7.43	
		For Aluminum Welding, Add	*1.16*	
		For Stainless Steel Welding, Add	*1.91*	
05 12 23 00-0132		**Field Welding (Seam And Stitch Welding)** *(05 12 23 00-0114)*		
05 12 23 00-0133		**Vertical Fillet Welds** *(05 12 23 00-0132)* Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0134	LF	1/8" Vertical Fillet Weld	5.92	
		For Aluminum Welding, Add	*1.10*	
		For Stainless Steel Welding, Add	*1.74*	
		For Up To 25, Add	*1.98*	
		For >25 To 50, Add	*1.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0135	LF	3/16" Vertical Fillet Weld	11.59	
		For Aluminum Welding, Add	*2.00*	
		For Stainless Steel Welding, Add	*3.23*	
		For Up To 25, Add	*3.95*	
		For >25 To 50, Add	*2.81*	
05 12 23 00-0136	LF	1/4" Vertical Fillet Weld	17.38	
		For Aluminum Welding, Add	*3.00*	
		For Stainless Steel Welding, Add	*4.84*	
		For Up To 25, Add	*5.92*	
		For >25 To 50, Add	*4.21*	
05 12 23 00-0137	LF	5/16" Vertical Fillet Weld	22.92	
		For Aluminum Welding, Add	*3.97*	
		For Stainless Steel Welding, Add	*6.40*	
		For Up To 25, Add	*7.80*	
		For >25 To 50, Add	*5.55*	
05 12 23 00-0138	LF	3/8" Vertical Fillet Weld	28.97	
		For Aluminum Welding, Add	*5.01*	
		For Stainless Steel Welding, Add	*8.07*	
		For Up To 25, Add	*9.86*	
		For >25 To 50, Add	*7.02*	
05 12 23 00-0139	LF	7/16" Vertical Fillet Weld	33.88	
		For Aluminum Welding, Add	*5.60*	
		For Stainless Steel Welding, Add	*9.12*	
		For Up To 25, Add	*11.64*	
		For >25 To 50, Add	*8.30*	
05 12 23 00-0140	LF	1/2" Vertical Fillet Weld	39.60	
		For Aluminum Welding, Add	*6.86*	
		For Stainless Steel Welding, Add	*11.06*	
		For Up To 25, Add	*13.48*	
		For >25 To 50, Add	*9.59*	
05 12 23 00-0141	LF	9/16" Vertical Fillet Weld	46.49	
		For Aluminum Welding, Add	*7.80*	
		For Stainless Steel Welding, Add	*12.66*	
		For Up To 25, Add	*15.93*	
		For >25 To 50, Add	*11.35*	
05 12 23 00-0142	LF	5/8" Vertical Fillet Weld	53.89	
		For Aluminum Welding, Add	*9.06*	
		For Stainless Steel Welding, Add	*14.70*	
		For Up To 25, Add	*18.45*	
		For >25 To 50, Add	*13.15*	
05 12 23 00-0143	LF	3/4" Vertical Fillet Weld	72.48	
		For Aluminum Welding, Add	*12.55*	
		For Stainless Steel Welding, Add	*20.22*	
		For Up To 25, Add	*24.67*	
		For >25 To 50, Add	*17.56*	
05 12 23 00-0144	LF	7/8" Vertical Fillet Weld	107.63	
		For Aluminum Welding, Add	*18.02*	
		For Stainless Steel Welding, Add	*29.25*	
		For Up To 25, Add	*36.89*	
		For >25 To 50, Add	*26.28*	
05 12 23 00-0145	LF	1" Vertical Fillet Weld	144.58	
		For Aluminum Welding, Add	*24.83*	
		For Stainless Steel Welding, Add	*40.07*	
		For Up To 25, Add	*49.30*	
		For >25 To 50, Add	*35.10*	

05 12 23 00-0146 Horizontal Or Flat Fillet Welds *(05 12 23 00-0132)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0147	LF	1/8" Horizontal Or Flat Fillet Weld	4.96	
		For Aluminum Welding, Add	*0.95*	
		For Stainless Steel Welding, Add	*1.50*	
		For Up To 25, Add	*1.65*	
		For >25 To 50, Add	*1.17*	
05 12 23 00-0148	LF	3/16" Horizontal Or Flat Fillet Weld	9.78	
		For Aluminum Welding, Add	*1.74*	
		For Stainless Steel Welding, Add	*2.79*	
		For Up To 25, Add	*3.31*	
		For >25 To 50, Add	*2.35*	
05 12 23 00-0149	LF	1/4" Horizontal Or Flat Fillet Weld	14.63	
		For Aluminum Welding, Add	*2.61*	
		For Stainless Steel Welding, Add	*4.18*	
		For Up To 25, Add	*4.95*	
		For >25 To 50, Add	*3.52*	
05 12 23 00-0150	LF	5/16" Horizontal Or Flat Fillet Weld	19.31	
		For Aluminum Welding, Add	*3.46*	
		For Stainless Steel Welding, Add	*5.53*	
		For Up To 25, Add	*6.52*	
		For >25 To 50, Add	*4.64*	
05 12 23 00-0151	LF	3/8" Horizontal Or Flat Fillet Weld	24.41	
		For Aluminum Welding, Add	*4.35*	
		For Stainless Steel Welding, Add	*6.97*	
		For Up To 25, Add	*8.26*	
		For >25 To 50, Add	*5.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF	7/16" Horizontal Or Flat Fillet Weld	28.44	
		For Aluminum Welding, Add	*4.82*	
		For Stainless Steel Welding, Add	*7.80*	
		For Up To 25, Add	*9.72*	
		For >25 To 50, Add	*6.93*	
05 12 23 00-0153	LF	1/2" Horizontal Or Flat Fillet Weld	33.31	
		For Aluminum Welding, Add	*5.96*	
		For Stainless Steel Welding, Add	*9.54*	
		For Up To 25, Add	*11.26*	
		For >25 To 50, Add	*8.01*	
05 12 23 00-0154	LF	9/16" Horizontal Or Flat Fillet Weld	39.09	
		For Aluminum Welding, Add	*6.75*	
		For Stainless Steel Welding, Add	*10.88*	
		For Up To 25, Add	*13.31*	
		For >25 To 50, Add	*9.48*	
05 12 23 00-0155	LF	5/8" Horizontal Or Flat Fillet Weld	45.44	
		For Aluminum Welding, Add	*7.96*	
		For Stainless Steel Welding, Add	*12.79*	
		For Up To 25, Add	*15.43*	
		For >25 To 50, Add	*10.98*	
05 12 23 00-0156	LF	3/4" Horizontal Or Flat Fillet Weld	61.02	
		For Aluminum Welding, Add	*10.91*	
		For Stainless Steel Welding, Add	*17.45*	
		For Up To 25, Add	*20.62*	
		For >25 To 50, Add	*14.67*	
05 12 23 00-0157	LF	7/8" Horizontal Or Flat Fillet Weld	90.00	
		For Aluminum Welding, Add	*15.25*	
		For Stainless Steel Welding, Add	*24.68*	
		For Up To 25, Add	*30.77*	
		For >25 To 50, Add	*21.92*	
05 12 23 00-0158	LF	1" Horizontal Or Flat Fillet Weld	121.32	
		For Aluminum Welding, Add	*21.49*	
		For Stainless Steel Welding, Add	*34.44*	
		For Up To 25, Add	*41.09*	
		For >25 To 50, Add	*29.23*	

05 12 23 00-0159 Cold Galvanizing *(05 12 23 00-0114)*

05 12 23 00-0160	SF	Brush Applied Cold Galvanizing	1.55	

05 12 23 00-0161 Metal Grinding *(05 12 23 00-0114)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0162	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	0.84	

05 12 23 00-0163 Structural Steel For Buildings And Structures *(05 12 23)*

05 12 23 00-0164 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0163)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0165	LF	W14 x 730 A992/A36 Structural Column	1,032.30	59.16
		For High Strength Low Alloy A572-50 Steel, Add	*92.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*206.46*	
05 12 23 00-0166	LF	W14 x 665 A992/A36 Structural Column	941.71	55.13
		For High Strength Low Alloy A572-50 Steel, Add	*84.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*188.34*	
05 12 23 00-0167	LF	W14 x 605 A992/A36 Structural Column	858.00	51.32
		For High Strength Low Alloy A572-50 Steel, Add	*77.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*171.60*	
05 12 23 00-0168	LF	W14 x 550 A992/A36 Structural Column	781.14	47.74
		For High Strength Low Alloy A572-50 Steel, Add	*70.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*156.23*	
05 12 23 00-0169	LF	W14 x 500 A992/A36 Structural Column	717.06	49.85
		For High Strength Low Alloy A572-50 Steel, Add	*64.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*143.41*	
05 12 23 00-0170	LF	W14 x 426 A992/A36 Structural Column	611.98	43.52
		For High Strength Low Alloy A572-50 Steel, Add	*55.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*122.40*	
05 12 23 00-0171	LF	W14 x 342 A992/A36 Structural Column	495.35	37.68
		For High Strength Low Alloy A572-50 Steel, Add	*44.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*99.07*	
05 12 23 00-0172	LF	W14 x 311 A992/A36 Structural Column	446.39	35.18
		For High Strength Low Alloy A572-50 Steel, Add	*40.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*89.28*	
05 12 23 00-0173	LF	W14 x 283 A992/A36 Structural Column	405.42	33.17
		For High Strength Low Alloy A572-50 Steel, Add	*36.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*81.08*	
05 12 23 00-0174	LF	W14 x 257 A992/A36 Structural Column	356.79	31.44
		For High Strength Low Alloy A572-50 Steel, Add	*32.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.36*	
05 12 23 00-0175	LF	W14 x 233 A992/A36 Structural Column	328.40	29.24
		For High Strength Low Alloy A572-50 Steel, Add	*29.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176	LF	W14 x 211 A992/A36 Structural Column	292.35	27.22
		For High Strength Low Alloy A572-50 Steel, Add	*26.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*58.47*	
05 12 23 00-0177	LF	W14 x 193 A992/A36 Structural Column	264.67	25.89
		For High Strength Low Alloy A572-50 Steel, Add	*23.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.93*	
05 12 23 00-0178	LF	W14 x 176 A992/A36 Structural Column	238.81	24.73
		For High Strength Low Alloy A572-50 Steel, Add	*21.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.76*	
05 12 23 00-0179	LF	W14 x 159 A992/A36 Structural Column	216.21	23.87
		For High Strength Low Alloy A572-50 Steel, Add	*19.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.24*	
05 12 23 00-0180	LF	W14 x 145 A992/A36 Structural Column	208.97	23.10
		For High Strength Low Alloy A572-50 Steel, Add	*18.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.79*	
05 12 23 00-0181	LF	W14 x 132 A992/A36 Structural Column	179.15	22.05
		For High Strength Low Alloy A572-50 Steel, Add	*16.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.83*	
05 12 23 00-0182	LF	W14 x 120 A992/A36 Structural Column	168.13	21.48
		For High Strength Low Alloy A572-50 Steel, Add	*15.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.63*	
05 12 23 00-0183	LF	W14 x 109 A992/A36 Structural Column	150.80	20.61
		For High Strength Low Alloy A572-50 Steel, Add	*13.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.16*	
05 12 23 00-0184	LF	W14 x 99 A992/A36 Structural Column	137.84	20.04
		For High Strength Low Alloy A572-50 Steel, Add	*12.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.57*	
05 12 23 00-0185	LF	W14 x 90 A992/A36 Structural Column	128.23	19.55
		For High Strength Low Alloy A572-50 Steel, Add	*11.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.65*	
05 12 23 00-0186	LF	W14 x 82 A992/A36 Structural Column	118.33	18.98
		For High Strength Low Alloy A572-50 Steel, Add	*10.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.67*	
05 12 23 00-0187	LF	W14 x 74 A992/A36 Structural Column	107.09	18.50
		For High Strength Low Alloy A572-50 Steel, Add	*9.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.42*	
05 12 23 00-0188	LF	W14 x 68 A992/A36 Structural Column	100.21	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*9.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.04*	
05 12 23 00-0189	LF	W14 x 61 A992/A36 Structural Column	91.61	17.73
		For High Strength Low Alloy A572-50 Steel, Add	*8.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.32*	
05 12 23 00-0190	LF	W14 x 53 A992/A36 Structural Column	83.66	17.26
		For High Strength Low Alloy A572-50 Steel, Add	*7.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.73*	
05 12 23 00-0191	LF	W14 x 48 A992/A36 Structural Column	78.53	16.97
		For High Strength Low Alloy A572-50 Steel, Add	*7.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.71*	
05 12 23 00-0192	LF	W14 x 43 A992/A36 Structural Column	71.12	16.68
		For High Strength Low Alloy A572-50 Steel, Add	*6.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.22*	
05 12 23 00-0193	LF	W12 x 336 A992/A36 Structural Column	470.61	26.34
		For High Strength Low Alloy A572-50 Steel, Add	*42.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*94.12*	
05 12 23 00-0194	LF	W12 x 305 A992/A36 Structural Column	429.23	25.82
		For High Strength Low Alloy A572-50 Steel, Add	*38.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*85.85*	
05 12 23 00-0195	LF	W12 x 279 A992/A36 Structural Column	394.65	25.51
		For High Strength Low Alloy A572-50 Steel, Add	*35.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*78.93*	
05 12 23 00-0196	LF	W12 x 252 A992/A36 Structural Column	358.41	24.87
		For High Strength Low Alloy A572-50 Steel, Add	*32.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.68*	
05 12 23 00-0197	LF	W12 x 230 A992/A36 Structural Column	329.05	24.51
		For High Strength Low Alloy A572-50 Steel, Add	*29.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.81*	
05 12 23 00-0198	LF	W12 x 210 A992/A36 Structural Column	302.34	24.17
		For High Strength Low Alloy A572-50 Steel, Add	*27.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.47*	
05 12 23 00-0199	LF	W12 x 190 A992/A36 Structural Column	278.52	26.46
		For High Strength Low Alloy A572-50 Steel, Add	*25.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*55.70*	
05 12 23 00-0200	LF	W12 x 170 A992/A36 Structural Column	252.00	25.68
		For High Strength Low Alloy A572-50 Steel, Add	*22.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.40*	
05 12 23 00-0201	LF	W12 x 152 A992/A36 Structural Column	227.30	23.87
		For High Strength Low Alloy A572-50 Steel, Add	*20.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.46*	
05 12 23 00-0202	LF	W12 x 136 A992/A36 Structural Column	216.20	23.20
		For High Strength Low Alloy A572-50 Steel, Add	*19.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.24*	
05 12 23 00-0203	LF	W12 x 120 A992/A36 Structural Column	164.42	21.28
		For High Strength Low Alloy A572-50 Steel, Add	*14.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0204	LF	W12 x 106 A992/A36 Structural Column	151.68	20.61
		For High Strength Low Alloy A572-50 Steel, Add	*13.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.34*	
05 12 23 00-0205	LF	W12 x 96 A992/A36 Structural Column	135.97	19.94
		For High Strength Low Alloy A572-50 Steel, Add	*12.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.19*	
05 12 23 00-0206	LF	W12 x 87 A992/A36 Structural Column	125.63	19.27
		For High Strength Low Alloy A572-50 Steel, Add	*11.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.13*	
05 12 23 00-0207	LF	W12 x 79 A992/A36 Structural Column	110.57	18.69
		For High Strength Low Alloy A572-50 Steel, Add	*9.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.11*	
05 12 23 00-0208	LF	W12 x 72 A992/A36 Structural Column	101.41	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*9.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.28*	
05 12 23 00-0209	LF	W12 x 65 A992/A36 Structural Column	92.91	17.83
		For High Strength Low Alloy A572-50 Steel, Add	*8.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.58*	
05 12 23 00-0210	LF	W12 x 58 A992/A36 Structural Column	89.97	17.64
		For High Strength Low Alloy A572-50 Steel, Add	*8.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.99*	
05 12 23 00-0211	LF	W12 x 53 A992/A36 Structural Column	83.66	17.26
		For High Strength Low Alloy A572-50 Steel, Add	*7.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.73*	
05 12 23 00-0212	LF	W12 x 50 A992/A36 Structural Column	81.13	17.16
		For High Strength Low Alloy A572-50 Steel, Add	*7.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.23*	
05 12 23 00-0213	LF	W12 x 45 A992/A36 Structural Column	73.94	16.77
		For High Strength Low Alloy A572-50 Steel, Add	*6.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.79*	
05 12 23 00-0214	LF	W12 x 40 A992/A36 Structural Column	66.53	16.39
		For High Strength Low Alloy A572-50 Steel, Add	*5.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.31*	
05 12 23 00-0215	LF	W10 x 112 A992/A36 Structural Column	158.54	20.99
		For High Strength Low Alloy A572-50 Steel, Add	*14.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.71*	
05 12 23 00-0216	LF	W10 x 110 A992/A36 Structural Column	143.63	20.13
		For High Strength Low Alloy A572-50 Steel, Add	*12.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.73*	
05 12 23 00-0217	LF	W10 x 88 A992/A36 Structural Column	129.34	19.46
		For High Strength Low Alloy A572-50 Steel, Add	*11.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.87*	
05 12 23 00-0218	LF	W10 x 77 A992/A36 Structural Column	115.29	18.69
		For High Strength Low Alloy A572-50 Steel, Add	*10.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.06*	
05 12 23 00-0219	LF	W10 x 68 A992/A36 Structural Column	104.05	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*9.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.81*	
05 12 23 00-0220	LF	W10 x 60 A992/A36 Structural Column	91.61	17.73
		For High Strength Low Alloy A572-50 Steel, Add	*8.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.32*	
05 12 23 00-0221	LF	W10 x 54 A992/A36 Structural Column	90.97	17.45
		For High Strength Low Alloy A572-50 Steel, Add	*8.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.19*	
05 12 23 00-0222	LF	W10 x 49 A992/A36 Structural Column	80.17	17.16
		For High Strength Low Alloy A572-50 Steel, Add	*7.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.03*	
05 12 23 00-0223	LF	W10 x 45 A992/A36 Structural Column	77.45	16.87
		For High Strength Low Alloy A572-50 Steel, Add	*6.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.49*	
05 12 23 00-0224	LF	W10 x 39 A992/A36 Structural Column	67.73	16.58
		For High Strength Low Alloy A572-50 Steel, Add	*6.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.55*	
05 12 23 00-0225	LF	W10 x 33 A992/A36 Structural Column	59.34	16.10
		For High Strength Low Alloy A572-50 Steel, Add	*5.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.87*	
05 12 23 00-0226	LF	W8 x 67 A992/A36 Structural Column	100.32	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*9.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.06*	
05 12 23 00-0227	LF	W8 x 58 A992/A36 Structural Column	90.30	17.64
		For High Strength Low Alloy A572-50 Steel, Add	*8.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.06*	
05 12 23 00-0228	LF	W8 x 48 A992/A36 Structural Column	81.04	17.16
		For High Strength Low Alloy A572-50 Steel, Add	*7.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.21*	
05 12 23 00-0229	LF	W8 x 40 A992/A36 Structural Column	69.91	16.68
		For High Strength Low Alloy A572-50 Steel, Add	*6.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.98*	
05 12 23 00-0230	LF	W8 x 35 A992/A36 Structural Column	63.38	16.29
		For High Strength Low Alloy A572-50 Steel, Add	*5.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.68*	
05 12 23 00-0231	LF	W8 x 31 A992/A36 Structural Column	58.13	16.10
		For High Strength Low Alloy A572-50 Steel, Add	*5.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF	W8 x 28 A992/A36 Structural Column	54.87	15.91
		For High Strength Low Alloy A572-50 Steel, Add	*4.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.97*	
05 12 23 00-0233	LF	W8 x 24 A992/A36 Structural Column	50.93	15.72
		For High Strength Low Alloy A572-50 Steel, Add	*4.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.19*	
05 12 23 00-0234	LF	W8 x 21 A992/A36 Structural Column	48.33	15.63
		For High Strength Low Alloy A572-50 Steel, Add	*4.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.67*	
05 12 23 00-0235	LF	W8 x 18 A992/A36 Structural Column	43.41	15.33
		For High Strength Low Alloy A572-50 Steel, Add	*3.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.68*	
05 12 23 00-0236	LF	W6 x 25 A992/A36 Structural Column	53.35	15.72
		For High Strength Low Alloy A572-50 Steel, Add	*4.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.67*	
05 12 23 00-0237	LF	W6 x 20 A992/A36 Structural Column	45.49	15.43
		For High Strength Low Alloy A572-50 Steel, Add	*4.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.10*	
05 12 23 00-0238	LF	W6 x 15 A992/A36 Structural Column	39.30	14.95
		For High Strength Low Alloy A572-50 Steel, Add	*3.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.86*	
05 12 23 00-0239	LF	W6 x 12 A992/A36 Structural Column	36.99	14.95
		For High Strength Low Alloy A572-50 Steel, Add	*3.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.40*	
05 12 23 00-0240	LF	W6 x 9 A992/A36 Structural Column	34.04	14.86
		For High Strength Low Alloy A572-50 Steel, Add	*3.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.81*	
05 12 23 00-0241	LF	W5 x 19 A992/A36 Structural Column	44.83	15.43
		For High Strength Low Alloy A572-50 Steel, Add	*4.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.97*	
05 12 23 00-0242	LF	W5 x 16 A992/A36 Structural Column	41.45	15.33
		For High Strength Low Alloy A572-50 Steel, Add	*3.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.29*	
05 12 23 00-0243	LF	W4 x 13 A992/A36 Structural Column	38.95	15.14
		For High Strength Low Alloy A572-50 Steel, Add	*3.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.79*	

05 12 23 00-0244 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0163)*

Note: Includes material delivery and erection.

05 12 23 00-0245	LF	W36 x 300 A992/A36 Structural Beam Or Girder	351.22	64.78
		For High Strength Low Alloy A572-50 Steel, Add	*31.61*	
		For High Strength Low Alloy A588 Steel, Add	*70.24*	
		For Each Additional Top Copes >2, Add	*2.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-112.56*	
		For Skewed Or Sloped Connections, Add	*42.15*	
05 12 23 00-0246	LF	W36 x 280 A992/A36 Structural Beam Or Girder	339.99	71.89
		For High Strength Low Alloy A572-50 Steel, Add	*30.60*	
		For High Strength Low Alloy A588 Steel, Add	*68.00*	
		For Each Additional Top Copes >2, Add	*2.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-107.49*	
		For Skewed Or Sloped Connections, Add	*40.80*	
05 12 23 00-0247	LF	W36 x 260 A992/A36 Structural Beam Or Girder	322.66	71.03
		For High Strength Low Alloy A572-50 Steel, Add	*29.04*	
		For High Strength Low Alloy A588 Steel, Add	*64.53*	
		For Each Additional Top Copes >2, Add	*2.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-101.57*	
		For Skewed Or Sloped Connections, Add	*38.72*	
05 12 23 00-0248	LF	W36 x 240 A992/A36 Structural Beam Or Girder	301.10	62.44
		For High Strength Low Alloy A572-50 Steel, Add	*27.10*	
		For High Strength Low Alloy A588 Steel, Add	*60.22*	
		For Each Additional Top Copes >2, Add	*2.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.40*	
		For Skewed Or Sloped Connections, Add	*36.13*	
05 12 23 00-0249	LF	W36 x 230 A992/A36 Structural Beam Or Girder	292.28	63.32
		For High Strength Low Alloy A572-50 Steel, Add	*26.31*	
		For High Strength Low Alloy A588 Steel, Add	*58.46*	
		For Each Additional Top Copes >2, Add	*2.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.17*	
		For Skewed Or Sloped Connections, Add	*35.07*	
05 12 23 00-0250	LF	W36 x 210 A992/A36 Structural Beam Or Girder	278.53	68.73
		For High Strength Low Alloy A572-50 Steel, Add	*25.07*	
		For High Strength Low Alloy A588 Steel, Add	*55.71*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-86.49*	
		For Skewed Or Sloped Connections, Add	*33.42*	
05 12 23 00-0251	LF	W36 x 194 A992/A36 Structural Beam Or Girder	262.78	60.56
		For High Strength Low Alloy A572-50 Steel, Add	*23.65*	
		For High Strength Low Alloy A588 Steel, Add	*52.56*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.28*	
		For Skewed Or Sloped Connections, Add	*31.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0252	LF	W36 x 182 A992/A36 Structural Beam Or Girder	250.06	60.11
		For High Strength Low Alloy A572-50 Steel, Add	*22.51*	
		For High Strength Low Alloy A588 Steel, Add	*50.01*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.90*	
		For Skewed Or Sloped Connections, Add	*30.01*	
05 12 23 00-0253	LF	W36 x 170 A992/A36 Structural Beam Or Girder	237.05	59.43
		For High Strength Low Alloy A572-50 Steel, Add	*21.33*	
		For High Strength Low Alloy A588 Steel, Add	*47.41*	
		For Each Additional Top Copes >2, Add	*1.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.46*	
		For Skewed Or Sloped Connections, Add	*28.45*	
05 12 23 00-0254	LF	W36 x 160 A992/A36 Structural Beam Or Girder	234.39	66.52
		For High Strength Low Alloy A572-50 Steel, Add	*21.10*	
		For High Strength Low Alloy A588 Steel, Add	*46.88*	
		For Each Additional Top Copes >2, Add	*1.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.40*	
		For Skewed Or Sloped Connections, Add	*28.13*	
05 12 23 00-0255	LF	W36 x 150 A992/A36 Structural Beam Or Girder	225.35	66.05
		For High Strength Low Alloy A572-50 Steel, Add	*20.28*	
		For High Strength Low Alloy A588 Steel, Add	*45.07*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.30*	
		For Skewed Or Sloped Connections, Add	*27.04*	
05 12 23 00-0256	LF	W36 x 135 A992/A36 Structural Beam Or Girder	212.70	65.46
		For High Strength Low Alloy A572-50 Steel, Add	*19.14*	
		For High Strength Low Alloy A588 Steel, Add	*42.54*	
		For Each Additional Top Copes >2, Add	*1.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.98*	
		For Skewed Or Sloped Connections, Add	*25.52*	
05 12 23 00-0257	LF	W33 x 241 A992/A36 Structural Beam Or Girder	305.24	64.40
		For High Strength Low Alloy A572-50 Steel, Add	*27.47*	
		For High Strength Low Alloy A588 Steel, Add	*61.05*	
		For Each Additional Top Copes >2, Add	*2.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-96.53*	
		For Skewed Or Sloped Connections, Add	*36.63*	
05 12 23 00-0258	LF	W33 x 221 A992/A36 Structural Beam Or Girder	283.93	62.82
		For High Strength Low Alloy A572-50 Steel, Add	*25.55*	
		For High Strength Low Alloy A588 Steel, Add	*56.79*	
		For Each Additional Top Copes >2, Add	*2.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.32*	
		For Skewed Or Sloped Connections, Add	*34.07*	
05 12 23 00-0259	LF	W33 x 201 A992/A36 Structural Beam Or Girder	270.15	68.25
		For High Strength Low Alloy A572-50 Steel, Add	*24.31*	
		For High Strength Low Alloy A588 Steel, Add	*54.03*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.62*	
		For Skewed Or Sloped Connections, Add	*32.42*	
05 12 23 00-0260	LF	W33 x 170 A992/A36 Structural Beam Or Girder	244.10	67.01
		For High Strength Low Alloy A572-50 Steel, Add	*21.97*	
		For High Strength Low Alloy A588 Steel, Add	*48.82*	
		For Each Additional Top Copes >2, Add	*1.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.72*	
		For Skewed Or Sloped Connections, Add	*29.29*	
05 12 23 00-0261	LF	W33 x 152 A992/A36 Structural Beam Or Girder	222.81	59.24
		For High Strength Low Alloy A572-50 Steel, Add	*20.05*	
		For High Strength Low Alloy A588 Steel, Add	*44.56*	
		For Each Additional Top Copes >2, Add	*1.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.51*	
		For Skewed Or Sloped Connections, Add	*26.74*	
05 12 23 00-0262	LF	W33 x 141 A992/A36 Structural Beam Or Girder	218.15	65.66
		For High Strength Low Alloy A572-50 Steel, Add	*19.63*	
		For High Strength Low Alloy A588 Steel, Add	*43.63*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.84*	
		For Skewed Or Sloped Connections, Add	*26.18*	
05 12 23 00-0263	LF	W33 x 130 A992/A36 Structural Beam Or Girder	207.90	65.18
		For High Strength Low Alloy A572-50 Steel, Add	*18.71*	
		For High Strength Low Alloy A588 Steel, Add	*41.58*	
		For Each Additional Top Copes >2, Add	*1.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.34*	
		For Skewed Or Sloped Connections, Add	*24.95*	
05 12 23 00-0264	LF	W33 x 118 A992/A36 Structural Beam Or Girder	196.02	64.61
		For High Strength Low Alloy A572-50 Steel, Add	*17.64*	
		For High Strength Low Alloy A588 Steel, Add	*39.20*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.27*	
		For Skewed Or Sloped Connections, Add	*23.52*	
05 12 23 00-0265	LF	W30 x 211 A992/A36 Structural Beam Or Girder	272.94	62.70
		For High Strength Low Alloy A572-50 Steel, Add	*24.56*	
		For High Strength Low Alloy A588 Steel, Add	*54.59*	
		For Each Additional Top Copes >2, Add	*2.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.50*	
		For Skewed Or Sloped Connections, Add	*32.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0266	LF	W30 x 191 A992/A36 Structural Beam Or Girder	258.90	67.77
		For High Strength Low Alloy A572-50 Steel, Add	*23.30*	
		For High Strength Low Alloy A588 Steel, Add	*51.78*	
		For Each Additional Top Copes >2, Add	*1.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.76*	
		For Skewed Or Sloped Connections, Add	*31.07*	
05 12 23 00-0267	LF	W30 x 173 A992/A36 Structural Beam Or Girder	237.95	59.84
		For High Strength Low Alloy A572-50 Steel, Add	*21.42*	
		For High Strength Low Alloy A588 Steel, Add	*47.59*	
		For Each Additional Top Copes >2, Add	*1.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.71*	
		For Skewed Or Sloped Connections, Add	*28.55*	
05 12 23 00-0268	LF	W30 x 154 A992/A36 Structural Beam Or Girder	225.55	66.14
		For High Strength Low Alloy A572-50 Steel, Add	*20.30*	
		For High Strength Low Alloy A588 Steel, Add	*45.11*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.36*	
		For Skewed Or Sloped Connections, Add	*27.07*	
05 12 23 00-0269	LF	W30 x 132 A992/A36 Structural Beam Or Girder	202.08	57.74
		For High Strength Low Alloy A572-50 Steel, Add	*18.19*	
		For High Strength Low Alloy A588 Steel, Add	*40.42*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.49*	
		For Skewed Or Sloped Connections, Add	*24.25*	
05 12 23 00-0270	LF	W30 x 124 A992/A36 Structural Beam Or Girder	193.54	57.70
		For High Strength Low Alloy A572-50 Steel, Add	*17.42*	
		For High Strength Low Alloy A588 Steel, Add	*38.71*	
		For Each Additional Top Copes >2, Add	*1.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.51*	
		For Skewed Or Sloped Connections, Add	*23.22*	
05 12 23 00-0271	LF	W30 x 116 A992/A36 Structural Beam Or Girder	192.30	64.51
		For High Strength Low Alloy A572-50 Steel, Add	*17.31*	
		For High Strength Low Alloy A588 Steel, Add	*38.46*	
		For Each Additional Top Copes >2, Add	*1.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.98*	
		For Skewed Or Sloped Connections, Add	*23.08*	
05 12 23 00-0272	LF	W30 x 108 A992/A36 Structural Beam Or Girder	177.48	58.08
		For High Strength Low Alloy A572-50 Steel, Add	*15.97*	
		For High Strength Low Alloy A588 Steel, Add	*35.50*	
		For Each Additional Top Copes >2, Add	*1.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.83*	
		For Skewed Or Sloped Connections, Add	*21.30*	
05 12 23 00-0273	LF	W30 x 99 A992/A36 Structural Beam Or Girder	170.18	57.80
		For High Strength Low Alloy A572-50 Steel, Add	*15.32*	
		For High Strength Low Alloy A588 Steel, Add	*34.04*	
		For Each Additional Top Copes >2, Add	*1.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.33*	
		For Skewed Or Sloped Connections, Add	*20.42*	
05 12 23 00-0274	LF	W27 x 178 A992/A36 Structural Beam Or Girder	265.48	70.06
		For High Strength Low Alloy A572-50 Steel, Add	*23.89*	
		For High Strength Low Alloy A588 Steel, Add	*53.10*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.71*	
		For Skewed Or Sloped Connections, Add	*31.86*	
05 12 23 00-0275	LF	W27 x 161 A992/A36 Structural Beam Or Girder	244.43	67.42
		For High Strength Low Alloy A572-50 Steel, Add	*22.00*	
		For High Strength Low Alloy A588 Steel, Add	*48.89*	
		For Each Additional Top Copes >2, Add	*1.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.76*	
		For Skewed Or Sloped Connections, Add	*29.33*	
05 12 23 00-0276	LF	W27 x 146 A992/A36 Structural Beam Or Girder	225.82	65.03
		For High Strength Low Alloy A572-50 Steel, Add	*20.32*	
		For High Strength Low Alloy A588 Steel, Add	*45.16*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.63*	
		For Skewed Or Sloped Connections, Add	*27.10*	
05 12 23 00-0277	LF	W27 x 114 A992/A36 Structural Beam Or Girder	179.79	54.02
		For High Strength Low Alloy A572-50 Steel, Add	*16.18*	
		For High Strength Low Alloy A588 Steel, Add	*35.96*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.28*	
		For Skewed Or Sloped Connections, Add	*21.57*	
05 12 23 00-0278	LF	W27 x 102 A992/A36 Structural Beam Or Girder	170.94	57.80
		For High Strength Low Alloy A572-50 Steel, Add	*15.38*	
		For High Strength Low Alloy A588 Steel, Add	*34.19*	
		For Each Additional Top Copes >2, Add	*1.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.58*	
		For Skewed Or Sloped Connections, Add	*20.51*	
05 12 23 00-0279	LF	W27 x 94 A992/A36 Structural Beam Or Girder	164.07	57.42
		For High Strength Low Alloy A572-50 Steel, Add	*14.77*	
		For High Strength Low Alloy A588 Steel, Add	*32.81*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.24*	
		For Skewed Or Sloped Connections, Add	*19.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF	W27 x 84 A992/A36 Structural Beam Or Girder	155.68	57.04
		For High Strength Low Alloy A572-50 Steel, Add	*14.01*	
		For High Strength Low Alloy A588 Steel, Add	*31.14*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.37*	
		For Skewed Or Sloped Connections, Add	*18.68*	
05 12 23 00-0281	LF	W24 x 162 A992/A36 Structural Beam Or Girder	235.35	64.63
		For High Strength Low Alloy A572-50 Steel, Add	*21.18*	
		For High Strength Low Alloy A588 Steel, Add	*47.07*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.03*	
		For Skewed Or Sloped Connections, Add	*28.24*	
05 12 23 00-0282	LF	W24 x 146 A992/A36 Structural Beam Or Girder	216.07	61.96
		For High Strength Low Alloy A572-50 Steel, Add	*19.45*	
		For High Strength Low Alloy A588 Steel, Add	*43.21*	
		For Each Additional Top Copes >2, Add	*1.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.71*	
		For Skewed Or Sloped Connections, Add	*25.93*	
05 12 23 00-0283	LF	W24 x 131 A992/A36 Structural Beam Or Girder	197.66	59.16
		For High Strength Low Alloy A572-50 Steel, Add	*17.79*	
		For High Strength Low Alloy A588 Steel, Add	*39.53*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.72*	
		For Skewed Or Sloped Connections, Add	*23.72*	
05 12 23 00-0284	LF	W24 x 117 A992/A36 Structural Beam Or Girder	180.12	56.20
		For High Strength Low Alloy A572-50 Steel, Add	*16.21*	
		For High Strength Low Alloy A588 Steel, Add	*36.02*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.05*	
		For Skewed Or Sloped Connections, Add	*21.61*	
05 12 23 00-0285	LF	W24 x 104 A992/A36 Structural Beam Or Girder	163.52	53.15
		For High Strength Low Alloy A572-50 Steel, Add	*14.72*	
		For High Strength Low Alloy A588 Steel, Add	*32.70*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.73*	
		For Skewed Or Sloped Connections, Add	*19.62*	
05 12 23 00-0286	LF	W24 x 94 A992/A36 Structural Beam Or Girder	157.81	57.42
		For High Strength Low Alloy A572-50 Steel, Add	*14.20*	
		For High Strength Low Alloy A588 Steel, Add	*31.56*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.05*	
		For Skewed Or Sloped Connections, Add	*18.94*	
05 12 23 00-0287	LF	W24 x 84 A992/A36 Structural Beam Or Girder	143.55	50.90
		For High Strength Low Alloy A572-50 Steel, Add	*12.92*	
		For High Strength Low Alloy A588 Steel, Add	*28.71*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.09*	
		For Skewed Or Sloped Connections, Add	*17.23*	
05 12 23 00-0288	LF	W24 x 76 A992/A36 Structural Beam Or Girder	137.13	50.51
		For High Strength Low Alloy A572-50 Steel, Add	*12.34*	
		For High Strength Low Alloy A588 Steel, Add	*27.43*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.90*	
		For Skewed Or Sloped Connections, Add	*16.46*	
05 12 23 00-0289	LF	W24 x 68 A992/A36 Structural Beam Or Girder	129.05	50.23
		For High Strength Low Alloy A572-50 Steel, Add	*11.61*	
		For High Strength Low Alloy A588 Steel, Add	*25.81*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.13*	
		For Skewed Or Sloped Connections, Add	*15.49*	
05 12 23 00-0290	LF	W24 x 62 A992/A36 Structural Beam Or Girder	124.80	49.94
		For High Strength Low Alloy A572-50 Steel, Add	*11.23*	
		For High Strength Low Alloy A588 Steel, Add	*24.96*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.69*	
		For Skewed Or Sloped Connections, Add	*14.98*	
05 12 23 00-0291	LF	W24 x 55 A992/A36 Structural Beam Or Girder	119.03	49.75
		For High Strength Low Alloy A572-50 Steel, Add	*10.71*	
		For High Strength Low Alloy A588 Steel, Add	*23.81*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.71*	
		For Skewed Or Sloped Connections, Add	*14.28*	
05 12 23 00-0292	LF	W21 x 147 A992/A36 Structural Beam Or Girder	204.98	53.16
		For High Strength Low Alloy A572-50 Steel, Add	*18.45*	
		For High Strength Low Alloy A588 Steel, Add	*41.00*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.24*	
		For Skewed Or Sloped Connections, Add	*24.60*	
05 12 23 00-0293	LF	W21 x 132 A992/A36 Structural Beam Or Girder	187.32	50.78
		For High Strength Low Alloy A572-50 Steel, Add	*16.86*	
		For High Strength Low Alloy A588 Steel, Add	*37.46*	
		For Each Additional Top Copes >2, Add	*1.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.44*	
		For Skewed Or Sloped Connections, Add	*22.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF	W21 x 122 A992/A36 Structural Beam Or Girder	176.33	49.93
		For High Strength Low Alloy A572-50 Steel, Add	*15.87*	
		For High Strength Low Alloy A588 Steel, Add	*35.27*	
		For Each Additional Top Copes >2, Add	*1.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.73*	
		For Skewed Or Sloped Connections, Add	*21.16*	
05 12 23 00-0295	LF	W21 x 111 A992/A36 Structural Beam Or Girder	163.52	48.33
		For High Strength Low Alloy A572-50 Steel, Add	*14.72*	
		For High Strength Low Alloy A588 Steel, Add	*32.70*	
		For Each Additional Top Copes >2, Add	*1.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.50*	
		For Skewed Or Sloped Connections, Add	*19.62*	
05 12 23 00-0296	LF	W21 x 101 A992/A36 Structural Beam Or Girder	151.78	46.79
		For High Strength Low Alloy A572-50 Steel, Add	*13.66*	
		For High Strength Low Alloy A588 Steel, Add	*30.36*	
		For Each Additional Top Copes >2, Add	*1.02*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.64*	
		For Skewed Or Sloped Connections, Add	*18.21*	
05 12 23 00-0297	LF	W21 x 93 A992/A36 Structural Beam Or Girder	148.73	51.47
		For High Strength Low Alloy A572-50 Steel, Add	*13.39*	
		For High Strength Low Alloy A588 Steel, Add	*29.75*	
		For Each Additional Top Copes >2, Add	*0.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.82*	
		For Skewed Or Sloped Connections, Add	*17.85*	
05 12 23 00-0298	LF	W21 x 83 A992/A36 Structural Beam Or Girder	141.13	50.90
		For High Strength Low Alloy A572-50 Steel, Add	*12.70*	
		For High Strength Low Alloy A588 Steel, Add	*28.23*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.24*	
		For Skewed Or Sloped Connections, Add	*16.94*	
05 12 23 00-0299	LF	W21 x 73 A992/A36 Structural Beam Or Girder	131.86	50.51
		For High Strength Low Alloy A572-50 Steel, Add	*11.87*	
		For High Strength Low Alloy A588 Steel, Add	*26.37*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.07*	
		For Skewed Or Sloped Connections, Add	*15.82*	
05 12 23 00-0300	LF	W21 x 68 A992/A36 Structural Beam Or Girder	127.18	50.23
		For High Strength Low Alloy A572-50 Steel, Add	*11.45*	
		For High Strength Low Alloy A588 Steel, Add	*25.44*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.48*	
		For Skewed Or Sloped Connections, Add	*15.26*	
05 12 23 00-0301	LF	W21 x 62 A992/A36 Structural Beam Or Girder	122.94	49.94
		For High Strength Low Alloy A572-50 Steel, Add	*11.06*	
		For High Strength Low Alloy A588 Steel, Add	*24.59*	
		For Each Additional Top Copes >2, Add	*0.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.04*	
		For Skewed Or Sloped Connections, Add	*14.75*	
05 12 23 00-0302	LF	W21 x 57 A992/A36 Structural Beam Or Girder	119.12	49.85
		For High Strength Low Alloy A572-50 Steel, Add	*10.72*	
		For High Strength Low Alloy A588 Steel, Add	*23.82*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.73*	
		For Skewed Or Sloped Connections, Add	*14.29*	
05 12 23 00-0303	LF	W21 x 50 A992/A36 Structural Beam Or Girder	105.41	43.23
		For High Strength Low Alloy A572-50 Steel, Add	*9.49*	
		For High Strength Low Alloy A588 Steel, Add	*21.08*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.96*	
		For Skewed Or Sloped Connections, Add	*12.65*	
05 12 23 00-0304	LF	W21 x 44 A992/A36 Structural Beam Or Girder	100.94	43.04
		For High Strength Low Alloy A572-50 Steel, Add	*9.08*	
		For High Strength Low Alloy A588 Steel, Add	*20.19*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.44*	
		For Skewed Or Sloped Connections, Add	*12.11*	
05 12 23 00-0305	LF	W18 x 119 A992/A36 Structural Beam Or Girder	171.81	49.75
		For High Strength Low Alloy A572-50 Steel, Add	*15.46*	
		For High Strength Low Alloy A588 Steel, Add	*34.36*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.17*	
		For Skewed Or Sloped Connections, Add	*20.62*	
05 12 23 00-0306	LF	W18 x 106 A992/A36 Structural Beam Or Girder	156.06	47.16
		For High Strength Low Alloy A572-50 Steel, Add	*14.05*	
		For High Strength Low Alloy A588 Steel, Add	*31.21*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.08*	
		For Skewed Or Sloped Connections, Add	*18.73*	
05 12 23 00-0307	LF	W18 x 97 A992/A36 Structural Beam Or Girder	151.80	51.47
		For High Strength Low Alloy A572-50 Steel, Add	*13.66*	
		For High Strength Low Alloy A588 Steel, Add	*30.36*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.88*	
		For Skewed Or Sloped Connections, Add	*18.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0308	LF	W18 x 86 A992/A36 Structural Beam Or Girder	143.10	51.00
		For High Strength Low Alloy A572-50 Steel, Add	*12.88*	
		For High Strength Low Alloy A588 Steel, Add	*28.62*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.92*	
		For Skewed Or Sloped Connections, Add	*17.17*	
05 12 23 00-0309	LF	W18 x 76 A992/A36 Structural Beam Or Girder	135.26	50.51
		For High Strength Low Alloy A572-50 Steel, Add	*12.17*	
		For High Strength Low Alloy A588 Steel, Add	*27.05*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.25*	
		For Skewed Or Sloped Connections, Add	*16.23*	
05 12 23 00-0310	LF	W18 x 71 A992/A36 Structural Beam Or Girder	129.58	50.42
		For High Strength Low Alloy A572-50 Steel, Add	*11.66*	
		For High Strength Low Alloy A588 Steel, Add	*25.92*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.29*	
		For Skewed Or Sloped Connections, Add	*15.55*	
05 12 23 00-0311	LF	W18 x 65 A992/A36 Structural Beam Or Girder	124.00	50.23
		For High Strength Low Alloy A572-50 Steel, Add	*11.16*	
		For High Strength Low Alloy A588 Steel, Add	*24.80*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.38*	
		For Skewed Or Sloped Connections, Add	*14.88*	
05 12 23 00-0312	LF	W18 x 60 A992/A36 Structural Beam Or Girder	119.00	49.85
		For High Strength Low Alloy A572-50 Steel, Add	*10.71*	
		For High Strength Low Alloy A588 Steel, Add	*23.80*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.67*	
		For Skewed Or Sloped Connections, Add	*14.28*	
05 12 23 00-0313	LF	W18 x 55 A992/A36 Structural Beam Or Girder	113.98	49.75
		For High Strength Low Alloy A572-50 Steel, Add	*10.26*	
		For High Strength Low Alloy A588 Steel, Add	*22.80*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.94*	
		For Skewed Or Sloped Connections, Add	*13.68*	
05 12 23 00-0314	LF	W18 x 50 A992/A36 Structural Beam Or Girder	102.33	43.23
		For High Strength Low Alloy A572-50 Steel, Add	*9.21*	
		For High Strength Low Alloy A588 Steel, Add	*20.47*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.89*	
		For Skewed Or Sloped Connections, Add	*12.28*	
05 12 23 00-0315	LF	W18 x 46 A992/A36 Structural Beam Or Girder	98.41	43.13
		For High Strength Low Alloy A572-50 Steel, Add	*8.86*	
		For High Strength Low Alloy A588 Steel, Add	*19.68*	
		For Each Additional Top Copes >2, Add	*0.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.54*	
		For Skewed Or Sloped Connections, Add	*11.81*	
05 12 23 00-0316	LF	W18 x 40 A992/A36 Structural Beam Or Girder	85.88	36.81
		For High Strength Low Alloy A572-50 Steel, Add	*7.73*	
		For High Strength Low Alloy A588 Steel, Add	*17.18*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.16*	
		For Skewed Or Sloped Connections, Add	*10.31*	
05 12 23 00-0317	LF	W18 x 35 A992/A36 Structural Beam Or Girder	80.96	36.71
		For High Strength Low Alloy A572-50 Steel, Add	*7.29*	
		For High Strength Low Alloy A588 Steel, Add	*16.19*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.47*	
		For Skewed Or Sloped Connections, Add	*9.72*	
05 12 23 00-0318	LF	W16 x 100 A992/A36 Structural Beam Or Girder	139.69	33.46
		For High Strength Low Alloy A572-50 Steel, Add	*12.57*	
		For High Strength Low Alloy A588 Steel, Add	*27.94*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.54*	
		For Skewed Or Sloped Connections, Add	*16.76*	
05 12 23 00-0319	LF	W16 x 89 A992/A36 Structural Beam Or Girder	128.56	32.88
		For High Strength Low Alloy A572-50 Steel, Add	*11.57*	
		For High Strength Low Alloy A588 Steel, Add	*25.71*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.73*	
		For Skewed Or Sloped Connections, Add	*15.43*	
05 12 23 00-0320	LF	W16 x 77 A992/A36 Structural Beam Or Girder	116.66	32.49
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Steel, Add	*23.33*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.64*	
		For Skewed Or Sloped Connections, Add	*14.00*	
05 12 23 00-0321	LF	W16 x 67 A992/A36 Structural Beam Or Girder	106.51	32.02
		For High Strength Low Alloy A572-50 Steel, Add	*9.59*	
		For High Strength Low Alloy A588 Steel, Add	*21.30*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.16*	
		For Skewed Or Sloped Connections, Add	*12.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0322	LF	W16 x 57 A992/A36 Structural Beam Or Girder	96.48	31.53
		For High Strength Low Alloy A572-50 Steel, Add	*8.68*	
		For High Strength Low Alloy A588 Steel, Add	*19.30*	
		For Each Additional Top Copes >2, Add	*0.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.72*	
		For Skewed Or Sloped Connections, Add	*11.58*	
05 12 23 00-0323	LF	W16 x 50 A992/A36 Structural Beam Or Girder	89.49	31.25
		For High Strength Low Alloy A572-50 Steel, Add	*8.05*	
		For High Strength Low Alloy A588 Steel, Add	*17.90*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.32*	
		For Skewed Or Sloped Connections, Add	*10.74*	
05 12 23 00-0324	LF	W16 x 45 A992/A36 Structural Beam Or Girder	84.57	31.06
		For High Strength Low Alloy A572-50 Steel, Add	*7.61*	
		For High Strength Low Alloy A588 Steel, Add	*16.91*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.63*	
		For Skewed Or Sloped Connections, Add	*10.15*	
05 12 23 00-0325	LF	W16 x 40 A992/A36 Structural Beam Or Girder	79.46	30.77
		For High Strength Low Alloy A572-50 Steel, Add	*7.15*	
		For High Strength Low Alloy A588 Steel, Add	*15.89*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.88*	
		For Skewed Or Sloped Connections, Add	*9.54*	
05 12 23 00-0326	LF	W16 x 36 A992/A36 Structural Beam Or Girder	75.43	30.58
		For High Strength Low Alloy A572-50 Steel, Add	*6.79*	
		For High Strength Low Alloy A588 Steel, Add	*15.09*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.51*	
		For Skewed Or Sloped Connections, Add	*9.05*	
05 12 23 00-0327	LF	W16 x 31 A992/A36 Structural Beam Or Girder	63.99	24.35
		For High Strength Low Alloy A572-50 Steel, Add	*5.76*	
		For High Strength Low Alloy A588 Steel, Add	*12.80*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.50*	
		For Skewed Or Sloped Connections, Add	*7.68*	
05 12 23 00-0328	LF	W16 x 26 A992/A36 Structural Beam Or Girder	57.55	24.06
		For High Strength Low Alloy A572-50 Steel, Add	*5.18*	
		For High Strength Low Alloy A588 Steel, Add	*11.51*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.29*	
		For Skewed Or Sloped Connections, Add	*6.91*	
05 12 23 00-0329	LF	W14 x 99 A992/A36 Structural Beam Or Girder	132.28	27.42
		For High Strength Low Alloy A572-50 Steel, Add	*11.91*	
		For High Strength Low Alloy A588 Steel, Add	*26.46*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.91*	
		For Skewed Or Sloped Connections, Add	*15.87*	
05 12 23 00-0330	LF	W14 x 90 A992/A36 Structural Beam Or Girder	123.22	26.93
		For High Strength Low Alloy A572-50 Steel, Add	*11.09*	
		For High Strength Low Alloy A588 Steel, Add	*24.64*	
		For Each Additional Top Copes >2, Add	*0.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.81*	
		For Skewed Or Sloped Connections, Add	*14.79*	
05 12 23 00-0331	LF	W14 x 82 A992/A36 Structural Beam Or Girder	115.15	26.65
		For High Strength Low Alloy A572-50 Steel, Add	*10.36*	
		For High Strength Low Alloy A588 Steel, Add	*23.03*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.05*	
		For Skewed Or Sloped Connections, Add	*13.82*	
05 12 23 00-0332	LF	W14 x 74 A992/A36 Structural Beam Or Girder	107.09	26.27
		For High Strength Low Alloy A572-50 Steel, Add	*9.64*	
		For High Strength Low Alloy A588 Steel, Add	*21.42*	
		For Each Additional Top Copes >2, Add	*0.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.28*	
		For Skewed Or Sloped Connections, Add	*12.85*	
05 12 23 00-0333	LF	W14 x 68 A992/A36 Structural Beam Or Girder	101.08	25.98
		For High Strength Low Alloy A572-50 Steel, Add	*9.10*	
		For High Strength Low Alloy A588 Steel, Add	*20.22*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.22*	
		For Skewed Or Sloped Connections, Add	*12.13*	
05 12 23 00-0334	LF	W14 x 61 A992/A36 Structural Beam Or Girder	94.10	25.68
		For High Strength Low Alloy A572-50 Steel, Add	*8.47*	
		For High Strength Low Alloy A588 Steel, Add	*18.82*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.82*	
		For Skewed Or Sloped Connections, Add	*11.29*	
05 12 23 00-0335	LF	W14 x 53 A992/A36 Structural Beam Or Girder	86.13	25.30
		For High Strength Low Alloy A572-50 Steel, Add	*7.75*	
		For High Strength Low Alloy A588 Steel, Add	*17.23*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.09*	
		For Skewed Or Sloped Connections, Add	*10.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0336	LF	W14 x 48 A992/A36 Structural Beam Or Girder	81.01	25.02
		For High Strength Low Alloy A572-50 Steel, Add	*7.29*	
		For High Strength Low Alloy A588 Steel, Add	*16.20*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.34*	
		For Skewed Or Sloped Connections, Add	*9.72*	
05 12 23 00-0337	LF	W14 x 43 A992/A36 Structural Beam Or Girder	75.98	24.92
		For High Strength Low Alloy A572-50 Steel, Add	*6.84*	
		For High Strength Low Alloy A588 Steel, Add	*15.20*	
		For Each Additional Top Copes >2, Add	*0.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.61*	
		For Skewed Or Sloped Connections, Add	*9.12*	
05 12 23 00-0338	LF	W14 x 38 A992/A36 Structural Beam Or Girder	70.98	24.73
		For High Strength Low Alloy A572-50 Steel, Add	*6.39*	
		For High Strength Low Alloy A588 Steel, Add	*14.20*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.90*	
		For Skewed Or Sloped Connections, Add	*8.52*	
05 12 23 00-0339	LF	W14 x 34 A992/A36 Structural Beam Or Girder	66.94	24.45
		For High Strength Low Alloy A572-50 Steel, Add	*6.02*	
		For High Strength Low Alloy A588 Steel, Add	*13.39*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.52*	
		For Skewed Or Sloped Connections, Add	*8.03*	
05 12 23 00-0340	LF	W14 x 30 A992/A36 Structural Beam Or Girder	62.91	24.35
		For High Strength Low Alloy A572-50 Steel, Add	*5.66*	
		For High Strength Low Alloy A588 Steel, Add	*12.58*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.14*	
		For Skewed Or Sloped Connections, Add	*7.55*	
05 12 23 00-0341	LF	W14 x 26 A992/A36 Structural Beam Or Girder	58.85	24.06
		For High Strength Low Alloy A572-50 Steel, Add	*5.30*	
		For High Strength Low Alloy A588 Steel, Add	*11.77*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.75*	
		For Skewed Or Sloped Connections, Add	*7.06*	
05 12 23 00-0342	LF	W14 x 22 A992/A36 Structural Beam Or Girder	54.93	23.96
		For High Strength Low Alloy A572-50 Steel, Add	*4.94*	
		For High Strength Low Alloy A588 Steel, Add	*10.99*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.40*	
		For Skewed Or Sloped Connections, Add	*6.59*	
05 12 23 00-0343	LF	W12 x 87 A992/A36 Structural Beam Or Girder	120.28	26.84
		For High Strength Low Alloy A572-50 Steel, Add	*10.83*	
		For High Strength Low Alloy A588 Steel, Add	*24.06*	
		For Each Additional Top Copes >2, Add	*0.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.80*	
		For Skewed Or Sloped Connections, Add	*14.43*	
05 12 23 00-0344	LF	W12 x 79 A992/A36 Structural Beam Or Girder	112.21	26.46
		For High Strength Low Alloy A572-50 Steel, Add	*10.10*	
		For High Strength Low Alloy A588 Steel, Add	*22.44*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.03*	
		For Skewed Or Sloped Connections, Add	*13.47*	
05 12 23 00-0345	LF	W12 x 72 A992/A36 Structural Beam Or Girder	105.11	26.17
		For High Strength Low Alloy A572-50 Steel, Add	*9.46*	
		For High Strength Low Alloy A588 Steel, Add	*21.02*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.61*	
		For Skewed Or Sloped Connections, Add	*12.61*	
05 12 23 00-0346	LF	W12 x 65 A992/A36 Structural Beam Or Girder	98.13	25.89
		For High Strength Low Alloy A572-50 Steel, Add	*8.83*	
		For High Strength Low Alloy A588 Steel, Add	*19.63*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.20*	
		For Skewed Or Sloped Connections, Add	*11.78*	
05 12 23 00-0347	LF	W12 x 58 A992/A36 Structural Beam Or Girder	91.04	25.49
		For High Strength Low Alloy A572-50 Steel, Add	*8.19*	
		For High Strength Low Alloy A588 Steel, Add	*18.21*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.78*	
		For Skewed Or Sloped Connections, Add	*10.92*	
05 12 23 00-0348	LF	W12 x 53 A992/A36 Structural Beam Or Girder	86.13	25.30
		For High Strength Low Alloy A572-50 Steel, Add	*7.75*	
		For High Strength Low Alloy A588 Steel, Add	*17.23*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.09*	
		For Skewed Or Sloped Connections, Add	*10.34*	
05 12 23 00-0349	LF	W12 x 50 A992/A36 Structural Beam Or Girder	82.97	25.21
		For High Strength Low Alloy A572-50 Steel, Add	*7.47*	
		For High Strength Low Alloy A588 Steel, Add	*16.59*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.01*	
		For Skewed Or Sloped Connections, Add	*9.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0350	LF	W12 x 45 A992/A36 Structural Beam Or Girder	78.06	25.02
		For High Strength Low Alloy A572-50 Steel, Add	*7.03*	
		For High Strength Low Alloy A588 Steel, Add	*15.61*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.32*	
		For Skewed Or Sloped Connections, Add	*9.37*	
05 12 23 00-0351	LF	W12 x 40 A992/A36 Structural Beam Or Girder	66.42	18.60
		For High Strength Low Alloy A572-50 Steel, Add	*5.98*	
		For High Strength Low Alloy A588 Steel, Add	*13.28*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.27*	
		For Skewed Or Sloped Connections, Add	*7.97*	
05 12 23 00-0352	LF	W12 x 35 A992/A36 Structural Beam Or Girder	61.50	18.50
		For High Strength Low Alloy A572-50 Steel, Add	*5.54*	
		For High Strength Low Alloy A588 Steel, Add	*12.30*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.58*	
		For Skewed Or Sloped Connections, Add	*7.38*	
05 12 23 00-0353	LF	W12 x 30 A992/A36 Structural Beam Or Girder	56.38	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*5.07*	
		For High Strength Low Alloy A588 Steel, Add	*11.28*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.83*	
		For Skewed Or Sloped Connections, Add	*6.77*	
05 12 23 00-0354	LF	W12 x 26 A992/A36 Structural Beam Or Girder	52.34	18.02
		For High Strength Low Alloy A572-50 Steel, Add	*4.71*	
		For High Strength Low Alloy A588 Steel, Add	*10.47*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.44*	
		For Skewed Or Sloped Connections, Add	*6.28*	
05 12 23 00-0355	LF	W12 x 22 A992/A36 Structural Beam Or Girder	48.42	17.83
		For High Strength Low Alloy A572-50 Steel, Add	*4.36*	
		For High Strength Low Alloy A588 Steel, Add	*9.68*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.10*	
		For Skewed Or Sloped Connections, Add	*5.81*	
05 12 23 00-0356	LF	W12 x 19 A992/A36 Structural Beam Or Girder	45.36	17.73
		For High Strength Low Alloy A572-50 Steel, Add	*4.08*	
		For High Strength Low Alloy A588 Steel, Add	*9.07*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.04*	
		For Skewed Or Sloped Connections, Add	*5.44*	
05 12 23 00-0357	LF	W12 x 16 A992/A36 Structural Beam Or Girder	42.31	17.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.81*	
		For High Strength Low Alloy A588 Steel, Add	*8.46*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.01*	
		For Skewed Or Sloped Connections, Add	*5.08*	
05 12 23 00-0358	LF	W12 x 14 A992/A36 Structural Beam Or Girder	40.35	17.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.63*	
		For High Strength Low Alloy A588 Steel, Add	*8.07*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.33*	
		For Skewed Or Sloped Connections, Add	*4.84*	
05 12 23 00-0359	LF	W10 x 68 A992/A36 Structural Beam Or Girder	94.88	20.04
		For High Strength Low Alloy A572-50 Steel, Add	*8.54*	
		For High Strength Low Alloy A588 Steel, Add	*18.98*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.02*	
		For Skewed Or Sloped Connections, Add	*11.39*	
05 12 23 00-0360	LF	W10 x 60 A992/A36 Structural Beam Or Girder	86.91	19.65
		For High Strength Low Alloy A572-50 Steel, Add	*7.82*	
		For High Strength Low Alloy A588 Steel, Add	*17.38*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.29*	
		For Skewed Or Sloped Connections, Add	*10.43*	
05 12 23 00-0361	LF	W10 x 54 A992/A36 Structural Beam Or Girder	80.81	19.27
		For High Strength Low Alloy A572-50 Steel, Add	*7.27*	
		For High Strength Low Alloy A588 Steel, Add	*16.16*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.19*	
		For Skewed Or Sloped Connections, Add	*9.70*	
05 12 23 00-0362	LF	W10 x 49 A992/A36 Structural Beam Or Girder	75.79	19.08
		For High Strength Low Alloy A572-50 Steel, Add	*6.82*	
		For High Strength Low Alloy A588 Steel, Add	*15.16*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.48*	
		For Skewed Or Sloped Connections, Add	*9.09*	
05 12 23 00-0363	LF	W10 x 45 A992/A36 Structural Beam Or Girder	71.76	18.98
		For High Strength Low Alloy A572-50 Steel, Add	*6.46*	
		For High Strength Low Alloy A588 Steel, Add	*14.35*	
		For Each Additional Top Copes >2, Add	*0.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.10*	
		For Skewed Or Sloped Connections, Add	*8.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF	W10 x 39 A992/A36 Structural Beam Or Girder	65.76	18.60
		For High Strength Low Alloy A572-50 Steel, Add	*5.92*	
		For High Strength Low Alloy A588 Steel, Add	*13.15*	
		For Each Additional Top Copes >2, Add	*0.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.04*	
		For Skewed Or Sloped Connections, Add	*7.89*	
05 12 23 00-0365	LF	W10 x 33 A992/A36 Structural Beam Or Girder	59.76	18.30
		For High Strength Low Alloy A572-50 Steel, Add	*5.38*	
		For High Strength Low Alloy A588 Steel, Add	*11.95*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.98*	
		For Skewed Or Sloped Connections, Add	*7.17*	
05 12 23 00-0366	LF	W10 x 30 A992/A36 Structural Beam Or Girder	56.70	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*5.10*	
		For High Strength Low Alloy A588 Steel, Add	*11.34*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.93*	
		For Skewed Or Sloped Connections, Add	*6.80*	
05 12 23 00-0367	LF	W10 x 26 A992/A36 Structural Beam Or Girder	52.77	18.11
		For High Strength Low Alloy A572-50 Steel, Add	*4.75*	
		For High Strength Low Alloy A588 Steel, Add	*10.55*	
		For Each Additional Top Copes >2, Add	*0.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.58*	
		For Skewed Or Sloped Connections, Add	*6.33*	
05 12 23 00-0368	LF	W10 x 22 A992/A36 Structural Beam Or Girder	48.64	17.83
		For High Strength Low Alloy A572-50 Steel, Add	*4.38*	
		For High Strength Low Alloy A588 Steel, Add	*9.73*	
		For Each Additional Top Copes >2, Add	*0.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.18*	
		For Skewed Or Sloped Connections, Add	*5.84*	
05 12 23 00-0369	LF	W10 x 19 A992/A36 Structural Beam Or Girder	45.69	17.73
		For High Strength Low Alloy A572-50 Steel, Add	*4.11*	
		For High Strength Low Alloy A588 Steel, Add	*9.14*	
		For Each Additional Top Copes >2, Add	*0.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.16*	
		For Skewed Or Sloped Connections, Add	*5.48*	
05 12 23 00-0370	LF	W10 x 17 A992/A36 Structural Beam Or Girder	43.62	17.64
		For High Strength Low Alloy A572-50 Steel, Add	*3.93*	
		For High Strength Low Alloy A588 Steel, Add	*8.72*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.45*	
		For Skewed Or Sloped Connections, Add	*5.23*	
05 12 23 00-0371	LF	W10 x 15 A992/A36 Structural Beam Or Girder	41.65	17.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.75*	
		For High Strength Low Alloy A588 Steel, Add	*8.33*	
		For Each Additional Top Copes >2, Add	*0.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.77*	
		For Skewed Or Sloped Connections, Add	*5.00*	
05 12 23 00-0372	LF	W10 x 12 A992/A36 Structural Beam Or Girder	38.70	17.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.48*	
		For High Strength Low Alloy A588 Steel, Add	*7.74*	
		For Each Additional Top Copes >2, Add	*0.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.76*	
		For Skewed Or Sloped Connections, Add	*4.64*	
05 12 23 00-0373	LF	W8 x 35 A992/A36 Structural Beam Or Girder	61.72	18.50
		For High Strength Low Alloy A572-50 Steel, Add	*5.55*	
		For High Strength Low Alloy A588 Steel, Add	*12.34*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.65*	
		For Skewed Or Sloped Connections, Add	*7.41*	
05 12 23 00-0374	LF	W8 x 31 A992/A36 Structural Beam Or Girder	57.69	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*5.19*	
		For High Strength Low Alloy A588 Steel, Add	*11.54*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.27*	
		For Skewed Or Sloped Connections, Add	*6.92*	
05 12 23 00-0375	LF	W8 x 28 A992/A36 Structural Beam Or Girder	53.67	17.16
		For High Strength Low Alloy A572-50 Steel, Add	*4.83*	
		For High Strength Low Alloy A588 Steel, Add	*10.73*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.04*	
		For Skewed Or Sloped Connections, Add	*6.44*	
05 12 23 00-0376	LF	W8 x 24 A992/A36 Structural Beam Or Girder	49.03	16.10
		For High Strength Low Alloy A572-50 Steel, Add	*4.41*	
		For High Strength Low Alloy A588 Steel, Add	*9.81*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.59*	
		For Skewed Or Sloped Connections, Add	*5.88*	
05 12 23 00-0377	LF	W8 x 21 A992/A36 Structural Beam Or Girder	45.63	14.95
		For High Strength Low Alloy A572-50 Steel, Add	*4.11*	
		For High Strength Low Alloy A588 Steel, Add	*9.13*	
		For Each Additional Top Copes >2, Add	*0.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.57*	
		For Skewed Or Sloped Connections, Add	*5.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF	W8 x 18 A992/A36 Structural Beam Or Girder	40.08	13.89
		For High Strength Low Alloy A572-50 Steel, Add	*3.61*	
		For High Strength Low Alloy A588 Steel, Add	*8.02*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.80*	
		For Skewed Or Sloped Connections, Add	*4.81*	
05 12 23 00-0379	LF	W8 x 10 A992/A36 Structural Beam Or Girder	24.01	9.97
		For High Strength Low Alloy A572-50 Steel, Add	*2.16*	
		For High Strength Low Alloy A588 Steel, Add	*4.80*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.82*	
		For Skewed Or Sloped Connections, Add	*2.88*	
05 12 23 00-0380	LF	W6 x 9 A992/A36 Structural Beam Or Girder	21.92	8.15
		For High Strength Low Alloy A572-50 Steel, Add	*1.97*	
		For High Strength Low Alloy A588 Steel, Add	*4.38*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.38*	
		For Skewed Or Sloped Connections, Add	*2.63*	

05 12 23 00-0381 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0163)*

Note: Includes material delivery and erection.

05 12 23 00-0382	LF	M14 x 18 A992/A36 Structural Steel	44.55	13.12
		For High Strength Low Alloy A572-50 Steel, Add	*4.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.91*	
05 12 23 00-0383	LF	M12 x 11.8 A992/A36 Structural Steel	32.41	11.60
		For High Strength Low Alloy A572-50 Steel, Add	*2.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.48*	
05 12 23 00-0384	LF	M10 x 9 A992/A36 Structural Steel	25.21	9.31
		For High Strength Low Alloy A572-50 Steel, Add	*2.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.04*	
05 12 23 00-0385	LF	M8 x 6.5 A992/A36 Structural Steel	18.21	6.72
		For High Strength Low Alloy A572-50 Steel, Add	*1.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.64*	
05 12 23 00-0386	LF	M6 x 20 A992/A36 Structural Steel	50.27	15.43
		For High Strength Low Alloy A572-50 Steel, Add	*4.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.05*	
05 12 23 00-0387	LF	M6 x 4.4 A992/A36 Structural Steel	12.31	4.55
		For High Strength Low Alloy A572-50 Steel, Add	*1.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*2.46*	
05 12 23 00-0388	LF	M5 x 18.9 A992/A36 Structural Steel	48.55	15.43
		For High Strength Low Alloy A572-50 Steel, Add	*4.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.71*	
05 12 23 00-0389	LF	M4 x 13 A992/A36 Structural Steel	40.27	15.14
		For High Strength Low Alloy A572-50 Steel, Add	*3.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.05*	

05 12 23 00-0390 A992/A36 Structural Steel, S Shapes *(05 12 23 00-0163)*

Note: Includes material delivery and erection.

05 12 23 00-0391	LF	S24 x 121 A992/A36 Structural Steel	265.53	66.40
		For High Strength Low Alloy A572-50 Steel, Add	*23.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.11*	
05 12 23 00-0392	LF	S24 x 106 A992/A36 Structural Steel	235.89	61.23
		For High Strength Low Alloy A572-50 Steel, Add	*21.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.18*	
05 12 23 00-0393	LF	S24 x 100 A992/A36 Structural Steel	225.77	60.81
		For High Strength Low Alloy A572-50 Steel, Add	*20.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.15*	
05 12 23 00-0394	LF	S24 x 90 A992/A36 Structural Steel	206.27	57.61
		For High Strength Low Alloy A572-50 Steel, Add	*18.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.25*	
05 12 23 00-0395	LF	S24 x 80 A992/A36 Structural Steel	186.21	53.90
		For High Strength Low Alloy A572-50 Steel, Add	*16.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.24*	
05 12 23 00-0396	LF	S20 x 96 A992/A36 Structural Steel	216.74	58.37
		For High Strength Low Alloy A572-50 Steel, Add	*19.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.35*	
05 12 23 00-0397	LF	S20 x 86 A992/A36 Structural Steel	197.10	55.05
		For High Strength Low Alloy A572-50 Steel, Add	*17.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.42*	
05 12 23 00-0398	LF	S20 x 75 A992/A36 Structural Steel	174.58	50.54
		For High Strength Low Alloy A572-50 Steel, Add	*15.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.92*	
05 12 23 00-0399	LF	S20 x 66 A992/A36 Structural Steel	156.13	46.81
		For High Strength Low Alloy A572-50 Steel, Add	*14.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.23*	
05 12 23 00-0400	LF	S18 x 70 A992/A36 Structural Steel	165.60	49.64
		For High Strength Low Alloy A572-50 Steel, Add	*14.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.12*	
05 12 23 00-0401	LF	S18 x 54.7 A992/A36 Structural Steel	131.57	40.84
		For High Strength Low Alloy A572-50 Steel, Add	*11.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0402	LF	S15 x 50 A992/A36 Structural Steel	122.36	39.30
		For High Strength Low Alloy A572-50 Steel, Add	*11.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.47*	
05 12 23 00-0403	LF	S15 x 42.9 A992/A36 Structural Steel	106.88	35.49
		For High Strength Low Alloy A572-50 Steel, Add	*9.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.38*	
05 12 23 00-0404	LF	S12 x 50 A992/A36 Structural Steel	120.27	37.33
		For High Strength Low Alloy A572-50 Steel, Add	*10.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.05*	
05 12 23 00-0405	LF	S12 x 40.8 A992/A36 Structural Steel	99.84	32.07
		For High Strength Low Alloy A572-50 Steel, Add	*8.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.97*	
05 12 23 00-0406	LF	S12 x 35 A992/A36 Structural Steel	87.19	28.95
		For High Strength Low Alloy A572-50 Steel, Add	*7.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.44*	
05 12 23 00-0407	LF	S12 x 31.8 A992/A36 Structural Steel	80.70	27.69
		For High Strength Low Alloy A572-50 Steel, Add	*7.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.14*	
05 12 23 00-0408	LF	S10 x 35 A992/A36 Structural Steel	88.82	30.48
		For High Strength Low Alloy A572-50 Steel, Add	*7.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.76*	
05 12 23 00-0409	LF	S10 x 25.4 A992/A36 Structural Steel	65.70	23.28
		For High Strength Low Alloy A572-50 Steel, Add	*5.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.14*	
05 12 23 00-0410	LF	S8 x 23 A992/A36 Structural Steel	59.50	21.08
		For High Strength Low Alloy A572-50 Steel, Add	*5.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.90*	
05 12 23 00-0411	LF	S8 x 18.4 A992/A36 Structural Steel	48.54	17.76
		For High Strength Low Alloy A572-50 Steel, Add	*4.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.71*	
05 12 23 00-0412	LF	S7 x 20 A992/A36 Structural Steel	52.76	19.30
		For High Strength Low Alloy A572-50 Steel, Add	*4.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.55*	
05 12 23 00-0413	LF	S7 x 15.3 A992/A36 Structural Steel	41.19	15.54
		For High Strength Low Alloy A572-50 Steel, Add	*3.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.24*	
05 12 23 00-0414	LF	S6 x 17.25 A992/A36 Structural Steel	45.02	16.19
		For High Strength Low Alloy A572-50 Steel, Add	*4.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.00*	
05 12 23 00-0415	LF	S6 x 12.5 A992/A36 Structural Steel	38.78	14.95
		For High Strength Low Alloy A572-50 Steel, Add	*3.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.76*	
05 12 23 00-0416	LF	S5 x 14.75 A992/A36 Structural Steel	41.17	15.24
		For High Strength Low Alloy A572-50 Steel, Add	*3.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.23*	
05 12 23 00-0417	LF	S5 x 10 A992/A36 Structural Steel	35.28	14.86
		For High Strength Low Alloy A572-50 Steel, Add	*3.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.06*	
05 12 23 00-0418	LF	S4 x 9.5 A992/A36 Structural Steel	34.38	14.86
		For High Strength Low Alloy A572-50 Steel, Add	*3.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.88*	
05 12 23 00-0419	LF	S4 x 7.7 A992/A36 Structural Steel	32.30	14.86
		For High Strength Low Alloy A572-50 Steel, Add	*2.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.46*	
05 12 23 00-0420	LF	S3 x 7.5 A992/A36 Structural Steel	32.10	14.86
		For High Strength Low Alloy A572-50 Steel, Add	*2.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.42*	
05 12 23 00-0421	LF	S3 x 5.7 A992/A36 Structural Steel	29.60	14.76
		For High Strength Low Alloy A572-50 Steel, Add	*2.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.92*	

05 12 23 00-0422 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0163)*

Note: Includes material delivery and erection.

05 12 23 00-0423	LF	HP14 x 117 A992/A36 Structural Steel	159.28	19.67
		For High Strength Low Alloy A572-50 Steel, Add	*14.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.86*	
05 12 23 00-0424	LF	HP14 x 102 A992/A36 Structural Steel	139.59	18.31
		For High Strength Low Alloy A572-50 Steel, Add	*12.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.92*	
05 12 23 00-0425	LF	HP14 x 89 A992/A36 Structural Steel	124.55	17.17
		For High Strength Low Alloy A572-50 Steel, Add	*11.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.91*	
05 12 23 00-0426	LF	HP14 x 73 A992/A36 Structural Steel	103.51	16.19
		For High Strength Low Alloy A572-50 Steel, Add	*9.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.70*	
05 12 23 00-0427	LF	HP13 x 100 A992/A36 Structural Steel	136.86	17.95
		For High Strength Low Alloy A572-50 Steel, Add	*12.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.37*	
05 12 23 00-0428	LF	HP13 x 87 A992/A36 Structural Steel	121.75	16.79
		For High Strength Low Alloy A572-50 Steel, Add	*10.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.35*	
05 12 23 00-0429	LF	HP13 x 73 A992/A36 Structural Steel	103.51	16.19
		For High Strength Low Alloy A572-50 Steel, Add	*9.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0430	LF	HP13 x 60 A992/A36 Structural Steel	88.06	15.51
		For High Strength Low Alloy A572-50 Steel, Add	*7.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.61*	
05 12 23 00-0431	LF	HP12 x 84 A992/A36 Structural Steel	115.23	17.71
		For High Strength Low Alloy A572-50 Steel, Add	*10.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.05*	
05 12 23 00-0432	LF	HP12 x 74 A992/A36 Structural Steel	102.02	16.70
		For High Strength Low Alloy A572-50 Steel, Add	*9.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.40*	
05 12 23 00-0433	LF	HP12 x 63 A992/A36 Structural Steel	88.02	15.35
		For High Strength Low Alloy A572-50 Steel, Add	*7.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.60*	
05 12 23 00-0434	LF	HP12 x 53 A992/A36 Structural Steel	80.81	14.60
		For High Strength Low Alloy A572-50 Steel, Add	*7.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.16*	
05 12 23 00-0435	LF	HP10 x 57 A992/A36 Structural Steel	85.05	14.98
		For High Strength Low Alloy A572-50 Steel, Add	*7.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.01*	
05 12 23 00-0436	LF	HP10 x 42 A992/A36 Structural Steel	70.44	14.04
		For High Strength Low Alloy A572-50 Steel, Add	*6.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.09*	
05 12 23 00-0437	LF	HP8 x 36 A992/A36 Structural Steel	61.45	13.24
		For High Strength Low Alloy A572-50 Steel, Add	*5.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.29*	

05 12 23 00-0438 Lightweight Framing Steel Shapes *(05 12 23)*

05 12 23 00-0439 Angle Iron - L *(05 12 23 00-0438)*

05 12 23 00-0440 1/8" Thick *(05 12 23 00-0439)*

05 12 23 00-0441	LF	1/2" x 1/2" x 1/8" Angle Iron	2.12	1.34
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.38*	
		For Galvanized Steel, Add	*0.20*	
		For 304 Stainless Steel, Add	*0.94*	
		For High Strength Steel (HSS), Add	*0.42*	
05 12 23 00-0442	LF	3/4" x 1/2" x 1/8" Angle Iron	2.44	1.52
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.44*	
		For Galvanized Steel, Add	*0.25*	
		For 304 Stainless Steel, Add	*1.17*	
		For High Strength Steel (HSS), Add	*0.49*	
05 12 23 00-0443	LF	3/4" x 3/4" x 1/8" Angle Iron	2.74	1.68
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For Galvanized Steel, Add	*0.32*	
		For 304 Stainless Steel, Add	*1.45*	
		For High Strength Steel (HSS), Add	*0.55*	
05 12 23 00-0444	LF	1" x 3/4" x 1/8" Angle Iron	3.08	1.87
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.54*	
		For Galvanized Steel, Add	*0.37*	
		For 304 Stainless Steel, Add	*1.68*	
		For High Strength Steel (HSS), Add	*0.62*	
05 12 23 00-0445	LF	1" x 1" x 1/8" Angle Iron	3.38	2.01
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.59*	
		For Galvanized Steel, Add	*0.43*	
		For 304 Stainless Steel, Add	*1.97*	
		For High Strength Steel (HSS), Add	*0.68*	
05 12 23 00-0446	LF	1-1/4" x 1-1/4" x 1/8" Angle Iron	4.03	2.38
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For Galvanized Steel, Add	*0.54*	
		For 304 Stainless Steel, Add	*2.48*	
		For High Strength Steel (HSS), Add	*0.81*	
05 12 23 00-0447	LF	1-1/2" x 1" x 1/8" Angle Iron	4.03	2.38
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For Galvanized Steel, Add	*0.54*	
		For 304 Stainless Steel, Add	*2.48*	
		For High Strength Steel (HSS), Add	*0.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0448	LF	1-1/2" x 1-1/2" x 1/8" Angle Iron	4.83	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.83*	
		For Galvanized Steel, Add	*0.65*	
		For 304 Stainless Steel, Add	*2.99*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0449	LF	2" x 2" x 1/8" Angle Iron	6.57	3.87
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.14*	
		For Galvanized Steel, Add	*0.89*	
		For 304 Stainless Steel, Add	*4.08*	
		For High Strength Steel (HSS), Add	*1.31*	

05 12 23 00-0450 3/16" Thick *(05 12 23 00-0439)*

05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron	4.62	2.51
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.76*	
		For Galvanized Steel, Add	*0.79*	
		For 304 Stainless Steel, Add	*3.65*	
		For High Strength Steel (HSS), Add	*0.92*	
05 12 23 00-0452	LF	1-1/2" x 1" x 3/16" Angle Iron	4.62	2.51
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.76*	
		For Galvanized Steel, Add	*0.79*	
		For 304 Stainless Steel, Add	*3.65*	
		For High Strength Steel (HSS), Add	*0.92*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron	5.13	2.69
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.83*	
		For Galvanized Steel, Add	*0.96*	
		For 304 Stainless Steel, Add	*4.42*	
		For High Strength Steel (HSS), Add	*1.03*	
05 12 23 00-0454	LF	2" x 2" x 3/16" Angle Iron	5.94	2.88
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.92*	
		For Galvanized Steel, Add	*1.31*	
		For 304 Stainless Steel, Add	*6.01*	
		For High Strength Steel (HSS), Add	*1.19*	
05 12 23 00-0455	LF	2-1/2" x 2" x 3/16" Angle Iron	6.50	3.09
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.00*	
		For Galvanized Steel, Add	*1.48*	
		For 304 Stainless Steel, Add	*6.78*	
		For High Strength Steel (HSS), Add	*1.30*	
05 12 23 00-0456	LF	2-1/2" x 2-1/2" x 3/16" Angle Iron	7.07	3.30
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.08*	
		For Galvanized Steel, Add	*1.65*	
		For 304 Stainless Steel, Add	*7.58*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0457	LF	3" x 2" x 3/16" Angle Iron	7.07	3.30
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.08*	
		For Galvanized Steel, Add	*1.65*	
		For 304 Stainless Steel, Add	*7.58*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0458	LF	3" x 2-1/2" x 3/16" Angle Iron	7.79	3.65
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.19*	
		For Galvanized Steel, Add	*1.82*	
		For 304 Stainless Steel, Add	*8.35*	
		For High Strength Steel (HSS), Add	*1.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF	3" x 3" x 3/16" Angle Iron	8.53	4.00
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.30*	
		For Galvanized Steel, Add	*1.99*	
		For 304 Stainless Steel, Add	*9.15*	
		For High Strength Steel (HSS), Add	*1.71*	
05 12 23 00-0460		1/4" Thick *(05 12 23 00-0439)*		
05 12 23 00-0461	LF	1-1/2" x 1" x 1/4" Angle Iron	5.17	2.65
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.83*	
		For Galvanized Steel, Add	*1.02*	
		For 304 Stainless Steel, Add	*4.67*	
		For High Strength Steel (HSS), Add	*1.03*	
05 12 23 00-0462	LF	1-1/2" x 1-1/2" x 1/4" Angle Iron	5.78	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.91*	
		For Galvanized Steel, Add	*1.24*	
		For 304 Stainless Steel, Add	*5.70*	
		For High Strength Steel (HSS), Add	*1.16*	
05 12 23 00-0463	LF	2" x 2" x 1/4" Angle Iron	6.78	3.02
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.01*	
		For Galvanized Steel, Add	*1.71*	
		For 304 Stainless Steel, Add	*7.84*	
		For High Strength Steel (HSS), Add	*1.36*	
05 12 23 00-0464	LF	2-1/2" x 2" x 1/4" Angle Iron	7.60	3.35
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.13*	
		For Galvanized Steel, Add	*1.94*	
		For 304 Stainless Steel, Add	*8.92*	
		For High Strength Steel (HSS), Add	*1.52*	
05 12 23 00-0465	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron	8.43	3.67
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.24*	
		For Galvanized Steel, Add	*2.19*	
		For 304 Stainless Steel, Add	*10.09*	
		For High Strength Steel (HSS), Add	*1.69*	
05 12 23 00-0466	LF	3" x 2" x 1/4" Angle Iron	8.43	3.67
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.24*	
		For Galvanized Steel, Add	*2.19*	
		For 304 Stainless Steel, Add	*10.09*	
		For High Strength Steel (HSS), Add	*1.69*	
05 12 23 00-0467	LF	3" x 2-1/2" x 1/4" Angle Iron	9.33	4.08
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.38*	
		For Galvanized Steel, Add	*2.41*	
		For 304 Stainless Steel, Add	*11.09*	
		For High Strength Steel (HSS), Add	*1.87*	
05 12 23 00-0468	LF	3" x 3" x 1/4" Angle Iron	10.20	4.48
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.51*	
		For Galvanized Steel, Add	*2.62*	
		For 304 Stainless Steel, Add	*12.06*	
		For High Strength Steel (HSS), Add	*2.04*	
05 12 23 00-0469	LF	3-1/2" x 3" x 1/4" Angle Iron	11.08	4.81
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.63*	
		For Galvanized Steel, Add	*2.89*	
		For 304 Stainless Steel, Add	*13.28*	
		For High Strength Steel (HSS), Add	*2.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470	LF	3-1/2" x 3-1/2" x 1/4" Angle Iron	11.72	0.50
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.72*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*14.31*	
		For High Strength Steel (HSS), Add	*2.34*	
05 12 23 00-0471	LF	4" x 3" x 1/4" Angle Iron	11.72	5.03
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.72*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*14.31*	
		For High Strength Steel (HSS), Add	*2.34*	
05 12 23 00-0472	LF	4" x 3-1/2" x 1/4" Angle Iron	12.34	5.24
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.80*	
		For Galvanized Steel, Add	*3.32*	
		For 304 Stainless Steel, Add	*15.25*	
		For High Strength Steel (HSS), Add	*2.47*	
05 12 23 00-0473	LF	4" x 4" x 1/4" Angle Iron	13.00	5.47
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For Galvanized Steel, Add	*3.54*	
		For 304 Stainless Steel, Add	*16.27*	
		For High Strength Steel (HSS), Add	*2.60*	
05 12 23 00-0474	LF	5" x 3" x 1/4" Angle Iron	13.00	5.47
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For Galvanized Steel, Add	*3.54*	
		For 304 Stainless Steel, Add	*16.27*	
		For High Strength Steel (HSS), Add	*2.60*	
05 12 23 00-0475	LF	5" x 3-1/2" x 1/4" Angle Iron	13.72	5.76
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-1.99*	
		For Galvanized Steel, Add	*3.74*	
		For 304 Stainless Steel, Add	*17.21*	
		For High Strength Steel (HSS), Add	*2.74*	
05 12 23 00-0476		5/16" Thick *(05 12 23 00-0439)*		
05 12 23 00-0477	LF	2-1/2" x 2" x 5/16" Angle Iron	9.07	3.90
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.33*	
		For Galvanized Steel, Add	*2.41*	
		For 304 Stainless Steel, Add	*11.09*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0478	LF	2-1/2" x 2-1/2" x 5/16" Angle Iron	9.84	4.13
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.43*	
		For Galvanized Steel, Add	*2.68*	
		For 304 Stainless Steel, Add	*12.34*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0479	LF	3" x 2" x 5/16" Angle Iron	9.84	4.13
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.43*	
		For Galvanized Steel, Add	*2.68*	
		For 304 Stainless Steel, Add	*12.34*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0480	LF	3" x 2-1/2" x 5/16" Angle Iron	10.88	4.53
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000, Deduct	*-1.57*	
		For Galvanized Steel, Add	*3.01*	
		For 304 Stainless Steel, Add	*13.82*	
		For High Strength Steel (HSS), Add	*2.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481	LF	3" x 3" x 5/16" Angle Iron	11.84	4.92
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.71*	
		For Galvanized Steel, Add	*3.27*	
		For 304 Stainless Steel, Add	*15.05*	
		For High Strength Steel (HSS), Add	*2.37*	
05 12 23 00-0482	LF	3-1/2" x 3" x 5/16" Angle Iron	12.60	5.16
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.81*	
		For Galvanized Steel, Add	*3.54*	
		For 304 Stainless Steel, Add	*16.27*	
		For High Strength Steel (HSS), Add	*2.52*	
05 12 23 00-0483	LF	3-1/2" x 3-1/2" x 5/16" Angle Iron	13.45	5.43
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.91*	
		For Galvanized Steel, Add	*3.86*	
		For 304 Stainless Steel, Add	*17.73*	
		For High Strength Steel (HSS), Add	*2.69*	
05 12 23 00-0484	LF	4" x 3" x 5/16" Angle Iron	13.45	5.43
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.91*	
		For Galvanized Steel, Add	*3.86*	
		For 304 Stainless Steel, Add	*17.73*	
		For High Strength Steel (HSS), Add	*2.69*	
05 12 23 00-0485	LF	4" x 3-1/2" x 5/16" Angle Iron	14.30	5.74
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.03*	
		For Galvanized Steel, Add	*4.12*	
		For 304 Stainless Steel, Add	*18.95*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0486	LF	4" x 4" x 5/16" Angle Iron	15.08	5.99
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.13*	
		For Galvanized Steel, Add	*4.40*	
		For 304 Stainless Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*3.02*	
05 12 23 00-0487	LF	5" x 3" x 5/16" Angle Iron	15.08	5.99
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.13*	
		For Galvanized Steel, Add	*4.40*	
		For 304 Stainless Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*3.02*	
05 12 23 00-0488	LF	5" x 3-1/2" x 5/16" Angle Iron	15.82	6.24
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.23*	
		For Galvanized Steel, Add	*4.66*	
		For 304 Stainless Steel, Add	*21.40*	
		For High Strength Steel (HSS), Add	*3.16*	
05 12 23 00-0489	LF	5" x 5" x 5/16" Angle Iron	17.58	6.50
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.40*	
		For Galvanized Steel, Add	*5.52*	
		For 304 Stainless Steel, Add	*25.39*	
		For High Strength Steel (HSS), Add	*3.52*	
05 12 23 00-0490	LF	6" x 3-1/2" x 5/16" Angle Iron	17.49	6.77
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000, Deduct	*-2.44*	
		For Galvanized Steel, Add	*5.25*	
		For 304 Stainless Steel, Add	*24.11*	
		For High Strength Steel (HSS), Add	*3.50*	

05 12 23 00-0491 3/8" Thick *(05 12 23 00-0439)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF	3" x 2" x 3/8" Angle Iron	10.85	4.32
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.53*	
		For Galvanized Steel, Add	*3.16*	
		For 304 Stainless Steel, Add	*14.51*	
		For High Strength Steel (HSS), Add	*2.17*	
05 12 23 00-0493	LF	3" x 2-1/2" x 3/8" Angle Iron	11.95	4.68
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.68*	
		For Galvanized Steel, Add	*3.54*	
		For 304 Stainless Steel, Add	*16.27*	
		For High Strength Steel (HSS), Add	*2.39*	
05 12 23 00-0494	LF	3" x 3" x 3/8" Angle Iron	12.93	5.04
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.81*	
		For Galvanized Steel, Add	*3.86*	
		For 304 Stainless Steel, Add	*17.73*	
		For High Strength Steel (HSS), Add	*2.59*	
05 12 23 00-0495	LF	3-1/2" x 3" x 3/8" Angle Iron	13.74	5.17
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For Galvanized Steel, Add	*4.24*	
		For 304 Stainless Steel, Add	*19.49*	
		For High Strength Steel (HSS), Add	*2.75*	
05 12 23 00-0496	LF	3-1/2" x 3-1/2" x 3/8" Angle Iron	14.62	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.01*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*20.92*	
		For High Strength Steel (HSS), Add	*2.92*	
05 12 23 00-0497	LF	4" x 3" x 3/8" Angle Iron	14.62	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.01*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*20.92*	
		For High Strength Steel (HSS), Add	*2.92*	
05 12 23 00-0498	LF	4" x 3-1/2" x 3/8" Angle Iron	15.79	5.95
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.18*	
		For Galvanized Steel, Add	*4.87*	
		For 304 Stainless Steel, Add	*22.40*	
		For High Strength Steel (HSS), Add	*3.16*	
05 12 23 00-0499	LF	4" x 4" x 3/8" Angle Iron	16.62	6.12
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.27*	
		For Galvanized Steel, Add	*5.25*	
		For 304 Stainless Steel, Add	*24.11*	
		For High Strength Steel (HSS), Add	*3.32*	
05 12 23 00-0500	LF	5" x 3" x 3/8" Angle Iron	16.95	6.36
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000, Deduct	*-2.33*	
		For Galvanized Steel, Add	*5.25*	
		For 304 Stainless Steel, Add	*24.11*	
		For High Strength Steel (HSS), Add	*3.39*	
05 12 23 00-0501	LF	5" x 3-1/2" x 3/8" Angle Iron	18.13	6.86
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.50*	
		For Galvanized Steel, Add	*5.57*	
		For 304 Stainless Steel, Add	*25.59*	
		For High Strength Steel (HSS), Add	*3.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF	5" x 5" x 3/8" Angle Iron	21.31	7.99
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-2.93*	
		For Galvanized Steel, Add	*6.60*	
		For 304 Stainless Steel, Add	*30.35*	
		For High Strength Steel (HSS), Add	*4.26*	
05 12 23 00-0503	LF	6" x 3-1/2" x 3/8" Angle Iron	20.01	7.43
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-2.74*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*28.79*	
		For High Strength Steel (HSS), Add	*4.00*	
05 12 23 00-0504	LF	6" x 4" x 3/8" Angle Iron	21.31	7.99
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-2.93*	
		For Galvanized Steel, Add	*6.60*	
		For 304 Stainless Steel, Add	*30.35*	
		For High Strength Steel (HSS), Add	*4.26*	
05 12 23 00-0505	LF	6" x 6" x 3/8" Angle Iron	25.68	9.59
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000, Deduct	*-3.52*	
		For Galvanized Steel, Add	*8.00*	
		For 304 Stainless Steel, Add	*36.77*	
		For High Strength Steel (HSS), Add	*5.14*	
05 12 23 00-0506	LF	7" x 4" x 3/8" Angle Iron	23.50	8.80
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.23*	
		For Galvanized Steel, Add	*7.30*	
		For 304 Stainless Steel, Add	*33.54*	
		For High Strength Steel (HSS), Add	*4.70*	
05 12 23 00-0507		1/2" Thick *(05 12 23 00-0439)*		
05 12 23 00-0508	LF	3" x 3" x 1/2" Angle Iron	15.00	5.14
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000, Deduct	*-1.98*	
		For Galvanized Steel, Add	*5.05*	
		For 304 Stainless Steel, Add	*23.20*	
		For High Strength Steel (HSS), Add	*3.00*	
05 12 23 00-0509	LF	4" x 3" x 1/2" Angle Iron	17.71	6.08
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000, Deduct	*-2.34*	
		For Galvanized Steel, Add	*5.96*	
		For 304 Stainless Steel, Add	*27.39*	
		For High Strength Steel (HSS), Add	*3.54*	
05 12 23 00-0510	LF	4" x 3-1/2" x 1/2" Angle Iron	18.99	6.51
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.51*	
		For Galvanized Steel, Add	*6.39*	
		For 304 Stainless Steel, Add	*29.36*	
		For High Strength Steel (HSS), Add	*3.80*	
05 12 23 00-0511	LF	4" x 4" x 1/2" Angle Iron	20.43	7.01
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.70*	
		For Galvanized Steel, Add	*6.87*	
		For 304 Stainless Steel, Add	*31.58*	
		For High Strength Steel (HSS), Add	*4.09*	
05 12 23 00-0512	LF	5" x 3" x 1/2" Angle Iron	20.43	7.01
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.70*	
		For Galvanized Steel, Add	*6.87*	
		For 304 Stainless Steel, Add	*31.58*	
		For High Strength Steel (HSS), Add	*4.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0513	LF	5" x 3-1/2" x 1/2" Angle Iron	21.69	7.45
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-2.87*	
		For Galvanized Steel, Add	*7.30*	
		For 304 Stainless Steel, Add	*33.54*	
		For High Strength Steel (HSS), Add	*4.34*	
05 12 23 00-0514	LF	5" x 5" x 1/2" Angle Iron	25.85	8.87
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.42*	
		For Galvanized Steel, Add	*8.69*	
		For 304 Stainless Steel, Add	*39.96*	
		For High Strength Steel (HSS), Add	*5.17*	
05 12 23 00-0515	LF	6" x 4" x 1/2" Angle Iron	25.85	8.87
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.42*	
		For Galvanized Steel, Add	*8.69*	
		For 304 Stainless Steel, Add	*39.96*	
		For High Strength Steel (HSS), Add	*5.17*	
05 12 23 00-0516	LF	6" x 6" x 1/2" Angle Iron	31.27	10.73
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.13*	
		For Galvanized Steel, Add	*10.52*	
		For 304 Stainless Steel, Add	*48.34*	
		For High Strength Steel (HSS), Add	*6.25*	
05 12 23 00-0517	LF	7" x 4" x 1/2" Angle Iron	28.56	9.80
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.78*	
		For Galvanized Steel, Add	*9.60*	
		For 304 Stainless Steel, Add	*44.15*	
		For High Strength Steel (HSS), Add	*5.71*	
05 12 23 00-0518	LF	8" x 4" x 1/2" Angle Iron	31.27	10.73
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.13*	
		For Galvanized Steel, Add	*10.52*	
		For 304 Stainless Steel, Add	*48.34*	
		For High Strength Steel (HSS), Add	*6.25*	
05 12 23 00-0519	LF	8" x 6" x 1/2" Angle Iron	36.71	12.60
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.85*	
		For Galvanized Steel, Add	*12.34*	
		For 304 Stainless Steel, Add	*56.74*	
		For High Strength Steel (HSS), Add	*7.34*	
05 12 23 00-0520	LF	8" x 8" x 1/2" Angle Iron	42.12	14.45
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.50*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.57*	
		For Galvanized Steel, Add	*14.16*	
		For 304 Stainless Steel, Add	*65.09*	
		For High Strength Steel (HSS), Add	*8.42*	

05 12 23 00-0521 5/8" Thick *(05 12 23 00-0439)*

05 12 23 00-0522	LF	4" x 4" x 5/8" Angle Iron	24.30	8.03
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.16*	
		For Galvanized Steel, Add	*8.43*	
		For High Strength Steel (HSS), Add	*4.86*	
05 12 23 00-0523	LF	5" x 3-1/2" x 5/8" Angle Iron	26.00	8.60
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000, Deduct	*-3.38*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0524	LF	5" x 5" x 5/8" Angle Iron	30.96	10.24
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-4.03*	
		For Galvanized Steel, Add	*10.73*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0525	LF	6" x 4" x 5/8" Angle Iron	30.96	10.24
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-4.03*	
		For Galvanized Steel, Add	*10.73*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0526	LF	6" x 6" x 5/8" Angle Iron	37.46	12.39
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000, Deduct	*-4.87*	
		For Galvanized Steel, Add	*12.98*	
		For High Strength Steel (HSS), Add	*7.49*	
05 12 23 00-0527	LF	7" x 4" x 5/8" Angle Iron	34.20	11.31
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000, Deduct	*-4.45*	
		For Galvanized Steel, Add	*11.85*	
		For High Strength Steel (HSS), Add	*6.84*	
05 12 23 00-0528	LF	8" x 6" x 5/8" Angle Iron	44.11	14.59
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.56*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-5.74*	
		For Galvanized Steel, Add	*15.29*	
		For High Strength Steel (HSS), Add	*8.82*	
05 12 23 00-0529	LF	8" x 8" x 5/8" Angle Iron	50.62	16.74
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.94*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.59*	
		For Galvanized Steel, Add	*17.55*	
		For High Strength Steel (HSS), Add	*10.12*	

05 12 23 00-0530 3/4" Thick *(05 12 23 00-0439)*

05 12 23 00-0531	LF	4" x 4" x 3/4" Angle Iron	27.86	8.88
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.57*	
		For Galvanized Steel, Add	*9.93*	
		For High Strength Steel (HSS), Add	*5.57*	
05 12 23 00-0532	LF	5" x 3-1/2" x 3/4" Angle Iron	29.80	9.50
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.82*	
		For Galvanized Steel, Add	*10.62*	
		For High Strength Steel (HSS), Add	*5.96*	
05 12 23 00-0533	LF	5" x 5" x 3/4" Angle Iron	35.53	11.32
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.29*	
		For >1,000, Deduct	*-4.55*	
		For Galvanized Steel, Add	*12.67*	
		For High Strength Steel (HSS), Add	*7.11*	
05 12 23 00-0534	LF	6" x 4" x 3/4" Angle Iron	35.53	11.32
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.29*	
		For >1,000, Deduct	*-4.55*	
		For Galvanized Steel, Add	*12.67*	
		For High Strength Steel (HSS), Add	*7.11*	
05 12 23 00-0535	LF	6" x 6" x 3/4" Angle Iron	43.21	13.77
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.46*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.54*	
		For Galvanized Steel, Add	*15.40*	
		For High Strength Steel (HSS), Add	*8.64*	
05 12 23 00-0536	LF	7" x 4" x 3/4" Angle Iron	39.43	12.57
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000, Deduct	*-5.05*	
		For Galvanized Steel, Add	*14.06*	
		For High Strength Steel (HSS), Add	*7.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0537	LF	8" x 4" x 3/4" Angle Iron	43.21	13.77
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.46*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.54*	
		For Galvanized Steel, Add	*15.40*	
		For High Strength Steel (HSS), Add	*8.64*	
05 12 23 00-0538	LF	8" x 6" x 3/4" Angle Iron	50.88	16.22
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.89*	
		For >500 To 1,000, Deduct	*-4.71*	
		For >1,000, Deduct	*-6.52*	
		For Galvanized Steel, Add	*18.14*	
		For High Strength Steel (HSS), Add	*10.18*	
05 12 23 00-0539	LF	8" x 8" x 3/4" Angle Iron	58.56	18.66
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.33*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-7.50*	
		For Galvanized Steel, Add	*20.88*	
		For High Strength Steel (HSS), Add	*11.71*	

05 12 23 00-0540 7/8" Thick *(05 12 23 00-0439)*

05 12 23 00-0541	LF	5" x 5" x 7/8" Angle Iron	39.78	12.18
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.21*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-5.01*	
		For Galvanized Steel, Add	*14.59*	
		For High Strength Steel (HSS), Add	*7.96*	
05 12 23 00-0542	LF	6" x 4" x 7/8" Angle Iron	39.78	12.18
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.21*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-5.01*	
		For Galvanized Steel, Add	*14.59*	
		For High Strength Steel (HSS), Add	*7.96*	
05 12 23 00-0543	LF	6" x 6" x 7/8" Angle Iron	48.42	14.83
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000, Deduct	*-6.10*	
		For Galvanized Steel, Add	*17.76*	
		For High Strength Steel (HSS), Add	*9.68*	
05 12 23 00-0544	LF	8" x 6" x 7/8" Angle Iron	57.19	17.51
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.18*	
		For >500 To 1,000, Deduct	*-5.19*	
		For >1,000, Deduct	*-7.21*	
		For Galvanized Steel, Add	*20.98*	
		For High Strength Steel (HSS), Add	*11.44*	
05 12 23 00-0545	LF	8" x 8" x 7/8" Angle Iron	65.82	20.16
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.98*	
		For >1,000, Deduct	*-8.30*	
		For Galvanized Steel, Add	*24.14*	
		For High Strength Steel (HSS), Add	*13.16*	

05 12 23 00-0546 Bar Channel *(05 12 23 00-0438)*

05 12 23 00-0547	LF	1" x 1/2" x 1/8" Thick Bar Channel	3.63	
		For 316 Stainless Steel, Add	*3.01*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For 304 Stainless Steel, Add	*2.68*	
		For High Strength Steel (HSS), Add	*0.73*	
05 12 23 00-0548	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	4.06	
		For 316 Stainless Steel, Add	*3.62*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.70*	
		For 304 Stainless Steel, Add	*3.22*	
		For High Strength Steel (HSS), Add	*0.81*	
05 12 23 00-0549	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.41	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
		For 304 Stainless Steel, Add	*3.56*	
		For High Strength Steel (HSS), Add	*0.88*	
05 12 23 00-0550	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	5.08	
		For 316 Stainless Steel, Add	*4.16*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.81*	
		For 304 Stainless Steel, Add	*3.71*	
		For High Strength Steel (HSS), Add	*1.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0551	LF	2" x 1/2" x 1/8" Thick Bar Channel	5.37	
		For 316 Stainless Steel, Add	*5.09*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*0.99*	
		For 304 Stainless Steel, Add	*4.53*	
05 12 23 00-0552	LF	2" x 1" x 1/8" Thick Bar Channel	7.19	
		For 316 Stainless Steel, Add	*5.70*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.10*	
		For 304 Stainless Steel, Add	*5.07*	

05 12 23 00-0553 Channels - C *(05 12 23 00-0438)*

05 12 23 00-0554	LF	C2 x 1.78 - 2" Wide Channel	5.96	3.34
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.00*	
		For 316 Stainless Steel, Add	*4.83*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.94*	
		For 304 Stainless Steel, Add	*4.30*	
05 12 23 00-0555	LF	C3 x 4.1 - 3" Wide Channel	9.95	4.79
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.55*	
		For 316 Stainless Steel, Add	*11.36*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.20*	
		For 304 Stainless Steel, Add	*10.12*	
05 12 23 00-0556	LF	C3 x 5 - 3" Wide Channel	12.13	5.85
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.88*	
		For 316 Stainless Steel, Add	*13.86*	
		For Aluminum, Add	*0.78*	
		For Galvanized Steel, Add	*2.68*	
		For 304 Stainless Steel, Add	*12.34*	
05 12 23 00-0557	LF	C3 x 6 - 3" Wide Channel	14.56	7.02
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.26*	
		For 316 Stainless Steel, Add	*16.61*	
		For Aluminum, Add	*0.93*	
		For Galvanized Steel, Add	*3.22*	
		For 304 Stainless Steel, Add	*14.79*	
05 12 23 00-0558	LF	C4 x 5.4 - 4" Wide Channel	12.35	5.76
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.89*	
		For 316 Stainless Steel, Add	*14.94*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.90*	
		For 304 Stainless Steel, Add	*13.31*	
05 12 23 00-0559	LF	C4 x 7.25 - 4" Wide Channel	16.58	7.73
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.53*	
		For 316 Stainless Steel, Add	*20.06*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.89*	
		For 304 Stainless Steel, Add	*17.87*	
05 12 23 00-0560	LF	C5 x 6.7 - 5" Wide Channel	14.76	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.23*	
		For 316 Stainless Steel, Add	*18.56*	
		For Aluminum, Add	*1.04*	
		For Galvanized Steel, Add	*3.60*	
		For 304 Stainless Steel, Add	*16.53*	
05 12 23 00-0561	LF	C5 x 9 - 5" Wide Channel	19.82	9.03
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-2.99*	
		For 316 Stainless Steel, Add	*24.93*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.83*	
		For 304 Stainless Steel, Add	*22.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF	C6 x 8.2 - 6" Wide Channel	17.85	8.06
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000, Deduct	*-2.68*	
		For 316 Stainless Steel, Add	*22.72*	
		For Aluminum, Add	*1.28*	
		For Galvanized Steel, Add	*4.40*	
		For 304 Stainless Steel, Add	*20.24*	
05 12 23 00-0563	LF	C6 x 10.5 - 6" Wide Channel	22.85	10.32
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*29.09*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
		For 304 Stainless Steel, Add	*25.91*	
05 12 23 00-0564	LF	C6 x 13 - 6" Wide Channel	28.29	12.78
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000, Deduct	*-4.25*	
		For 316 Stainless Steel, Add	*36.00*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*6.98*	
		For 304 Stainless Steel, Add	*32.06*	
05 12 23 00-0565	LF	C7 x 9.8 - 7" Wide Channel	21.27	9.59
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.19*	
		For 316 Stainless Steel, Add	*27.14*	
		For Aluminum, Add	*1.53*	
		For Galvanized Steel, Add	*5.26*	
		For 304 Stainless Steel, Add	*24.17*	
05 12 23 00-0566	LF	C7 x 12.25 - 7" Wide Channel	26.59	12.00
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-3.99*	
		For 316 Stainless Steel, Add	*33.92*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.57*	
		For 304 Stainless Steel, Add	*30.21*	
05 12 23 00-0567	LF	C7 x 14.75 - 7" Wide Channel	32.03	14.44
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000, Deduct	*-4.81*	
		For 316 Stainless Steel, Add	*40.83*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.91*	
		For 304 Stainless Steel, Add	*36.37*	
05 12 23 00-0568	LF	C8 x 11.5 - 8" Wide Channel	24.03	10.56
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.56*	
		For 316 Stainless Steel, Add	*31.84*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.17*	
		For 304 Stainless Steel, Add	*28.36*	
05 12 23 00-0569	LF	C8 x 13.75 - 8" Wide Channel	28.73	12.62
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000, Deduct	*-4.26*	
		For 316 Stainless Steel, Add	*38.08*	
		For Aluminum, Add	*2.14*	
		For Galvanized Steel, Add	*7.38*	
		For 304 Stainless Steel, Add	*33.92*	
05 12 23 00-0570	LF	C8 x 18.75 - 8" Wide Channel	39.17	17.21
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.70*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-5.81*	
		For 316 Stainless Steel, Add	*51.90*	
		For Aluminum, Add	*2.92*	
		For Galvanized Steel, Add	*10.06*	
		For 304 Stainless Steel, Add	*46.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0571	LF	C9 x 13.4 - 9" Wide Channel	28.00	12.30
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000, Deduct	*-4.15*	
		For 316 Stainless Steel, Add	*37.09*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.19*	
		For 304 Stainless Steel, Add	*33.03*	
05 12 23 00-0572	LF	C9 x 15 - 9" Wide Channel	31.34	13.77
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.16*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.65*	
		For 316 Stainless Steel, Add	*41.54*	
		For Aluminum, Add	*2.34*	
		For Galvanized Steel, Add	*8.05*	
		For 304 Stainless Steel, Add	*36.99*	
05 12 23 00-0573	LF	C9 x 20 - 9" Wide Channel	41.79	18.36
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000, Deduct	*-6.19*	
		For 316 Stainless Steel, Add	*55.39*	
		For Aluminum, Add	*3.12*	
		For Galvanized Steel, Add	*10.73*	
		For 304 Stainless Steel, Add	*49.33*	
05 12 23 00-0574	LF	C10 x 15.3 - 10" Wide Channel	31.96	14.04
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.47*	
		For >1,000, Deduct	*-4.74*	
		For 316 Stainless Steel, Add	*42.37*	
		For Aluminum, Add	*2.38*	
		For Galvanized Steel, Add	*8.21*	
		For 304 Stainless Steel, Add	*37.73*	
05 12 23 00-0575	LF	C10 x 20 - 10" Wide Channel	41.79	18.36
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000, Deduct	*-6.19*	
		For 316 Stainless Steel, Add	*55.39*	
		For Aluminum, Add	*3.12*	
		For Galvanized Steel, Add	*10.73*	
		For 304 Stainless Steel, Add	*49.33*	
05 12 23 00-0576	LF	C10 x 25 - 10" Wide Channel	52.23	22.95
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000, Deduct	*-7.74*	
		For 316 Stainless Steel, Add	*69.22*	
		For Aluminum, Add	*3.89*	
		For Galvanized Steel, Add	*13.41*	
		For 304 Stainless Steel, Add	*61.65*	
05 12 23 00-0577	LF	C10 x 30 - 10" Wide Channel	62.68	27.54
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.32*	
		For >500 To 1,000, Deduct	*-6.81*	
		For >1,000, Deduct	*-9.29*	
		For 316 Stainless Steel, Add	*83.07*	
		For Aluminum, Add	*4.67*	
		For Galvanized Steel, Add	*16.10*	
		For 304 Stainless Steel, Add	*73.99*	
05 12 23 00-0578	LF	C12 x 20.7 - 12" Wide Channel	43.25	19.00
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.98*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000, Deduct	*-6.41*	
		For 316 Stainless Steel, Add	*57.31*	
		For Aluminum, Add	*3.22*	
		For Galvanized Steel, Add	*11.10*	
		For 304 Stainless Steel, Add	*51.04*	
05 12 23 00-0579	LF	C12 x 25 - 12" Wide Channel	52.23	22.95
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000, Deduct	*-7.74*	
		For 316 Stainless Steel, Add	*69.22*	
		For Aluminum, Add	*3.89*	
		For Galvanized Steel, Add	*13.41*	
		For 304 Stainless Steel, Add	*61.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580	LF	C12 x 30 - 12" Wide Channel	62.68	27.54
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.32*	
		For >500 To 1,000, Deduct	*-6.81*	
		For >1,000, Deduct	*-9.29*	
		For 316 Stainless Steel, Add	*83.07*	
		For Aluminum, Add	*4.67*	
		For Galvanized Steel, Add	*16.10*	
		For 304 Stainless Steel, Add	*73.99*	
05 12 23 00-0581	LF	C15 x 33.9 - 15" Wide Channel	70.82	31.12
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.88*	
		For >500 To 1,000, Deduct	*-7.69*	
		For >1,000, Deduct	*-10.50*	
		For 316 Stainless Steel, Add	*93.86*	
		For Aluminum, Add	*5.28*	
		For Galvanized Steel, Add	*18.18*	
		For 304 Stainless Steel, Add	*83.59*	
05 12 23 00-0582	LF	C15 x 40 - 15" Wide Channel	83.57	36.72
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 500, Deduct	*-5.76*	
		For >500 To 1,000, Deduct	*-9.07*	
		For >1,000, Deduct	*-12.39*	
		For 316 Stainless Steel, Add	*110.75*	
		For Aluminum, Add	*6.23*	
		For Galvanized Steel, Add	*21.46*	
		For 304 Stainless Steel, Add	*98.64*	
05 12 23 00-0583	LF	C15 x 50 - 15" Wide Channel	104.46	45.90
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.20*	
		For >500 To 1,000, Deduct	*-11.34*	
		For >1,000, Deduct	*-15.48*	
		For 316 Stainless Steel, Add	*138.43*	
		For Aluminum, Add	*7.79*	
		For Galvanized Steel, Add	*26.82*	
		For 304 Stainless Steel, Add	*123.29*	

05 12 23 00-0584 Miscellaneous Channels - MC *(05 12 23 00-0438)*

05 12 23 00-0585	LF	MC6 x 12 - 6" Wide Channel	26.11	11.80
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-3.92*	
		For 316 Stainless Steel, Add	*33.22*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.44*	
		For 304 Stainless Steel, Add	*29.58*	
05 12 23 00-0586	LF	MC6 x 15.1 - 6" Wide Channel	32.86	14.85
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.94*	
		For 316 Stainless Steel, Add	*41.82*	
		For Aluminum, Add	*2.35*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*37.25*	
05 12 23 00-0587	LF	MC6 x 15.3 - 6" Wide Channel	33.29	15.04
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000, Deduct	*-5.00*	
		For 316 Stainless Steel, Add	*42.37*	
		For Aluminum, Add	*2.38*	
		For Galvanized Steel, Add	*8.21*	
		For 304 Stainless Steel, Add	*37.73*	
05 12 23 00-0588	LF	MC6 x 16.3 - 6" Wide Channel	35.47	16.02
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-3.91*	
		For >1,000, Deduct	*-5.33*	
		For 316 Stainless Steel, Add	*45.12*	
		For Aluminum, Add	*2.54*	
		For Galvanized Steel, Add	*8.74*	
		For 304 Stainless Steel, Add	*40.19*	
05 12 23 00-0589	LF	MC6 x 18 - 6" Wide Channel	39.17	17.70
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.32*	
		For >1,000, Deduct	*-5.89*	
		For 316 Stainless Steel, Add	*49.86*	
		For Aluminum, Add	*2.80*	
		For Galvanized Steel, Add	*9.66*	
		For 304 Stainless Steel, Add	*44.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0590	LF	MC7 x 17.6 - 7" Wide Channel	38.21	17.24
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000, Deduct	*-5.74*	
		For 316 Stainless Steel, Add	*48.74*	
		For Aluminum, Add	*2.74*	
		For Galvanized Steel, Add	*9.44*	
		For 304 Stainless Steel, Add	*43.41*	
05 12 23 00-0591	LF	MC7 x 19.1 - 7" Wide Channel	41.47	18.71
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000, Deduct	*-6.23*	
		For 316 Stainless Steel, Add	*52.90*	
		For Aluminum, Add	*2.98*	
		For Galvanized Steel, Add	*10.25*	
		For 304 Stainless Steel, Add	*47.11*	
05 12 23 00-0592	LF	MC7 x 22.7 - 7" Wide Channel	49.28	22.23
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.46*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-7.40*	
		For 316 Stainless Steel, Add	*62.85*	
		For Aluminum, Add	*3.54*	
		For Galvanized Steel, Add	*12.18*	
		For 304 Stainless Steel, Add	*55.97*	
05 12 23 00-0593	LF	MC8 x 8.5 - 8" Wide Channel	17.76	7.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.63*	
		For 316 Stainless Steel, Add	*23.52*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.56*	
		For 304 Stainless Steel, Add	*20.95*	
05 12 23 00-0594	LF	MC8 x 18.7 - 8" Wide Channel	39.07	17.16
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-5.79*	
		For 316 Stainless Steel, Add	*51.78*	
		For Aluminum, Add	*2.91*	
		For Galvanized Steel, Add	*10.03*	
		For 304 Stainless Steel, Add	*46.11*	
05 12 23 00-0595	LF	MC8 x 20 - 8" Wide Channel	41.79	18.36
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000, Deduct	*-6.19*	
		For 316 Stainless Steel, Add	*55.39*	
		For Aluminum, Add	*3.12*	
		For Galvanized Steel, Add	*10.73*	
		For 304 Stainless Steel, Add	*49.33*	
05 12 23 00-0596	LF	MC8 x 21.4 - 8" Wide Channel	44.72	19.65
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.86*	
		For >1,000, Deduct	*-6.63*	
		For 316 Stainless Steel, Add	*59.26*	
		For Aluminum, Add	*3.33*	
		For Galvanized Steel, Add	*11.48*	
		For 304 Stainless Steel, Add	*52.78*	
05 12 23 00-0597	LF	MC8 x 22.8 - 8" Wide Channel	47.63	20.94
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.28*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000, Deduct	*-7.06*	
		For 316 Stainless Steel, Add	*63.14*	
		For Aluminum, Add	*3.55*	
		For Galvanized Steel, Add	*12.23*	
		For 304 Stainless Steel, Add	*56.23*	
05 12 23 00-0598	LF	MC9 x 23.9 - 9" Wide Channel	49.93	21.94
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.44*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-7.40*	
		For 316 Stainless Steel, Add	*66.18*	
		For Aluminum, Add	*3.72*	
		For Galvanized Steel, Add	*12.82*	
		For 304 Stainless Steel, Add	*58.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0599	LF	MC9 x 25.4 - 9" Wide Channel	53.06	23.31
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000, Deduct	*-7.86*	
		For 316 Stainless Steel, Add	*70.34*	
		For Aluminum, Add	*3.96*	
		For Galvanized Steel, Add	*13.63*	
		For 304 Stainless Steel, Add	*62.64*	
05 12 23 00-0600	LF	MC10 x 6.5 - 10" Wide Channel	13.58	5.96
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.01*	
		For 316 Stainless Steel, Add	*17.98*	
		For Aluminum, Add	*1.01*	
		For Galvanized Steel, Add	*3.48*	
		For 304 Stainless Steel, Add	*16.02*	
05 12 23 00-0601	LF	MC10 x 8.4 - 10" Wide Channel	17.55	7.71
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.60*	
		For 316 Stainless Steel, Add	*23.26*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.51*	
		For 304 Stainless Steel, Add	*20.72*	
05 12 23 00-0602	LF	MC10 x 21.9 - 10" Wide Channel	45.75	20.11
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000, Deduct	*-6.78*	
		For 316 Stainless Steel, Add	*60.64*	
		For Aluminum, Add	*3.41*	
		For Galvanized Steel, Add	*11.75*	
		For 304 Stainless Steel, Add	*54.01*	
05 12 23 00-0603	LF	MC10 x 24.9 - 10" Wide Channel	52.03	22.86
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000, Deduct	*-7.71*	
		For 316 Stainless Steel, Add	*68.96*	
		For Aluminum, Add	*3.88*	
		For Galvanized Steel, Add	*13.36*	
		For 304 Stainless Steel, Add	*61.42*	
05 12 23 00-0604	LF	MC10 x 25.3 - 10" Wide Channel	52.85	23.23
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-3.64*	
		For >500 To 1,000, Deduct	*-5.74*	
		For >1,000, Deduct	*-7.83*	
		For 316 Stainless Steel, Add	*70.05*	
		For Aluminum, Add	*3.94*	
		For Galvanized Steel, Add	*13.57*	
		For 304 Stainless Steel, Add	*62.39*	
05 12 23 00-0605	LF	MC10 x 28.3 - 10" Wide Channel	59.14	25.98
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.08*	
		For >500 To 1,000, Deduct	*-6.42*	
		For >1,000, Deduct	*-8.77*	
		For 316 Stainless Steel, Add	*78.37*	
		For Aluminum, Add	*4.41*	
		For Galvanized Steel, Add	*15.18*	
		For 304 Stainless Steel, Add	*69.80*	
05 12 23 00-0606	LF	MC10 x 28.5 - 10" Wide Channel	59.54	26.16
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.10*	
		For >500 To 1,000, Deduct	*-6.47*	
		For >1,000, Deduct	*-8.83*	
		For 316 Stainless Steel, Add	*78.91*	
		For Aluminum, Add	*4.44*	
		For Galvanized Steel, Add	*15.29*	
		For 304 Stainless Steel, Add	*70.28*	
05 12 23 00-0607	LF	MC10 x 33.6 - 10" Wide Channel	70.20	30.85
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-7.62*	
		For >1,000, Deduct	*-10.41*	
		For 316 Stainless Steel, Add	*93.02*	
		For Aluminum, Add	*5.23*	
		For Galvanized Steel, Add	*18.02*	
		For 304 Stainless Steel, Add	*82.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0608	LF	MC10 x 41.1 - 10" Wide Channel	85.87	37.73
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.92*	
		For >500 To 1,000, Deduct	*-9.32*	
		For >1,000, Deduct	*-12.73*	
		For 316 Stainless Steel, Add	*113.79*	
		For Aluminum, Add	*6.40*	
		For Galvanized Steel, Add	*22.05*	
		For 304 Stainless Steel, Add	*101.35*	
05 12 23 00-0609	LF	MC12 x 30.9 - 12" Wide Channel	64.57	28.36
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.45*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000, Deduct	*-9.57*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
		For 304 Stainless Steel, Add	*76.21*	
05 12 23 00-0610	LF	MC12 x 32.9 - 12" Wide Channel	68.74	30.20
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-4.74*	
		For >500 To 1,000, Deduct	*-7.46*	
		For >1,000, Deduct	*-10.19*	
		For 316 Stainless Steel, Add	*91.10*	
		For Aluminum, Add	*5.12*	
		For Galvanized Steel, Add	*17.65*	
		For 304 Stainless Steel, Add	*81.14*	
05 12 23 00-0611	LF	MC12 x 35 - 12" Wide Channel	73.12	32.13
		For >100 To 250, Deduct	*-3.21*	
		For >250 To 500, Deduct	*-5.04*	
		For >500 To 1,000, Deduct	*-7.94*	
		For >1,000, Deduct	*-10.84*	
		For 316 Stainless Steel, Add	*96.90*	
		For Aluminum, Add	*5.45*	
		For Galvanized Steel, Add	*18.77*	
		For 304 Stainless Steel, Add	*86.30*	
05 12 23 00-0612	LF	MC12 x 37 - 12" Wide Channel	77.31	33.97
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.33*	
		For >500 To 1,000, Deduct	*-8.39*	
		For >1,000, Deduct	*-11.46*	
		For 316 Stainless Steel, Add	*102.46*	
		For Aluminum, Add	*5.76*	
		For Galvanized Steel, Add	*19.85*	
		For 304 Stainless Steel, Add	*91.26*	
05 12 23 00-0613	LF	MC12 x 40 - 12" Wide Channel	83.57	36.72
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 500, Deduct	*-5.76*	
		For >500 To 1,000, Deduct	*-9.07*	
		For >1,000, Deduct	*-12.39*	
		For 316 Stainless Steel, Add	*110.75*	
		For Aluminum, Add	*6.23*	
		For Galvanized Steel, Add	*21.46*	
		For 304 Stainless Steel, Add	*98.64*	
05 12 23 00-0614	LF	MC12 x 45 - 12" Wide Channel	94.02	41.31
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-6.48*	
		For >500 To 1,000, Deduct	*-10.21*	
		For >1,000, Deduct	*-13.94*	
		For 316 Stainless Steel, Add	*124.61*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.14*	
		For 304 Stainless Steel, Add	*110.98*	
05 12 23 00-0615	LF	MC12 x 50 - 12" Wide Channel	104.46	45.90
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.20*	
		For >500 To 1,000, Deduct	*-11.34*	
		For >1,000, Deduct	*-15.48*	
		For 316 Stainless Steel, Add	*138.43*	
		For Aluminum, Add	*7.79*	
		For Galvanized Steel, Add	*26.82*	
		For 304 Stainless Steel, Add	*123.29*	
05 12 23 00-0616	LF	MC13 x 31.8 - 13" Wide Channel	66.44	29.19
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.58*	
		For >500 To 1,000, Deduct	*-7.21*	
		For >1,000, Deduct	*-9.85*	
		For 316 Stainless Steel, Add	*88.06*	
		For Aluminum, Add	*4.95*	
		For Galvanized Steel, Add	*17.06*	
		For 304 Stainless Steel, Add	*78.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0617	LF	MC13 x 35 - 13" Wide Channel	73.12	32.13
		For >100 To 250, Deduct	*-3.21*	
		For >250 To 500, Deduct	*-5.04*	
		For >500 To 1,000, Deduct	*-7.94*	
		For >1,000, Deduct	*-10.84*	
		For 316 Stainless Steel, Add	*96.90*	
		For Aluminum, Add	*5.45*	
		For Galvanized Steel, Add	*18.77*	
		For 304 Stainless Steel, Add	*86.30*	
05 12 23 00-0618	LF	MC13 x 40 - 13" Wide Channel	83.57	36.72
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 500, Deduct	*-5.76*	
		For >500 To 1,000, Deduct	*-9.07*	
		For >1,000, Deduct	*-12.39*	
		For 316 Stainless Steel, Add	*110.75*	
		For Aluminum, Add	*6.23*	
		For Galvanized Steel, Add	*21.46*	
		For 304 Stainless Steel, Add	*98.64*	
05 12 23 00-0619	LF	MC13 x 50 - 13" Wide Channel	104.46	45.90
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.20*	
		For >500 To 1,000, Deduct	*-11.34*	
		For >1,000, Deduct	*-15.48*	
		For 316 Stainless Steel, Add	*138.43*	
		For Aluminum, Add	*7.79*	
		For Galvanized Steel, Add	*26.82*	
		For 304 Stainless Steel, Add	*123.29*	
05 12 23 00-0620	LF	MC18 x 42.7 - 18" Wide Channel	89.22	39.20
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.15*	
		For >500 To 1,000, Deduct	*-9.69*	
		For >1,000, Deduct	*-13.23*	
		For 316 Stainless Steel, Add	*118.24*	
		For Aluminum, Add	*6.65*	
		For Galvanized Steel, Add	*22.91*	
		For 304 Stainless Steel, Add	*105.31*	
05 12 23 00-0621	LF	MC18 x 45.8 - 18" Wide Channel	95.69	42.04
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-6.60*	
		For >500 To 1,000, Deduct	*-10.39*	
		For >1,000, Deduct	*-14.18*	
		For 316 Stainless Steel, Add	*126.82*	
		For Aluminum, Add	*7.13*	
		For Galvanized Steel, Add	*24.57*	
		For 304 Stainless Steel, Add	*112.95*	
05 12 23 00-0622	LF	MC18 x 51.9 - 18" Wide Channel	108.43	47.64
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-7.47*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000, Deduct	*-16.07*	
		For 316 Stainless Steel, Add	*143.71*	
		For Aluminum, Add	*8.08*	
		For Galvanized Steel, Add	*27.84*	
		For 304 Stainless Steel, Add	*127.99*	
05 12 23 00-0623	LF	MC18 x 58 - 18" Wide Channel	121.18	53.24
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-8.35*	
		For >500 To 1,000, Deduct	*-13.16*	
		For >1,000, Deduct	*-17.96*	
		For 316 Stainless Steel, Add	*160.61*	
		For Aluminum, Add	*9.03*	
		For Galvanized Steel, Add	*31.12*	
		For 304 Stainless Steel, Add	*143.04*	

05 12 23 00-0624 Structural Bar Tees *(05 12 23 00-0438)*

05 12 23 00-0625	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	3.95	2.45
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For 316 Stainless Steel, Add	*2.24*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.43*	
		For 304 Stainless Steel, Add	*2.00*	
05 12 23 00-0626	LF	1" x 1" x 1/8" Structural Bar Tee	4.79	2.88
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.84*	
		For 316 Stainless Steel, Add	*3.07*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.60*	
		For 304 Stainless Steel, Add	*2.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0627	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	7.17	3.32
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.09*	
		For 316 Stainless Steel, Add	*8.77*	
		For Aluminum, Add	*0.49*	
		For Galvanized Steel, Add	*1.70*	
		For 304 Stainless Steel, Add	*7.81*	
05 12 23 00-0628	LF	2" x 2" x 1/4" Structural Bar Tee	9.89	4.35
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.47*	
		For 316 Stainless Steel, Add	*13.09*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.54*	
		For 304 Stainless Steel, Add	*11.66*	
05 12 23 00-0629	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	14.34	5.24
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.95*	
		For 316 Stainless Steel, Add	*23.49*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*20.92*	
05 12 23 00-0630	LF	3" x 3" x 3/8" Structural Bar Tee	17.77	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000, Deduct	*-2.45*	
		For 316 Stainless Steel, Add	*28.19*	
		For Aluminum, Add	*1.59*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*25.11*	

05 12 23 00-0631 Structural Zees *(05 12 23 00-0438)*

05 12 23 00-0632	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	8.52	3.32
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.19*	
		For 316 Stainless Steel, Add	*13.09*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.54*	
		For 304 Stainless Steel, Add	*11.66*	
05 12 23 00-0633	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	15.07	3.97
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.79*	
		For 316 Stainless Steel, Add	*31.33*	
		For Aluminum, Add	*1.76*	
		For Galvanized Steel, Add	*6.07*	
		For 304 Stainless Steel, Add	*27.90*	
05 12 23 00-0634	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	17.95	4.48
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.09*	
		For 316 Stainless Steel, Add	*38.34*	
		For Aluminum, Add	*2.16*	
		For Galvanized Steel, Add	*7.43*	
		For 304 Stainless Steel, Add	*34.14*	
05 12 23 00-0635	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	23.77	5.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.64*	
		For 316 Stainless Steel, Add	*54.24*	
		For Aluminum, Add	*3.05*	
		For Galvanized Steel, Add	*10.51*	
		For 304 Stainless Steel, Add	*48.31*	
05 12 23 00-0636	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	30.36	5.57
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.32*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*73.41*	
		For Aluminum, Add	*4.13*	
		For Galvanized Steel, Add	*14.22*	
		For 304 Stainless Steel, Add	*65.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0637		**Junior I-Beams** *(05 12 23 00-0438)*		
05 12 23 00-0638	LF	3" Junior I-Beam, 2.9 LB/LF	11.79	4.80
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.68*	
		For 316 Stainless Steel, Add	*17.25*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*15.36*	
05 12 23 00-0639	LF	4" Junior I-Beam, 3.2 LB/LF	12.95	5.24
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000, Deduct	*-1.85*	
		For 316 Stainless Steel, Add	*19.04*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.69*	
		For 304 Stainless Steel, Add	*16.96*	
05 12 23 00-0640	LF	5" Junior I-Beam, 3.8 LB/LF	14.75	5.76
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.07*	
		For 316 Stainless Steel, Add	*22.62*	
		For Aluminum, Add	*1.27*	
		For Galvanized Steel, Add	*4.38*	
		For 304 Stainless Steel, Add	*20.15*	
05 12 23 00-0641	LF	6" Junior I-Beam, 4.4 LB/LF	16.54	6.27
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.29*	
		For 316 Stainless Steel, Add	*26.18*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.07*	
		For 304 Stainless Steel, Add	*23.31*	
05 12 23 00-0642	LF	7" Junior I-Beam, 5.5 LB/LF	19.19	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.56*	
		For 316 Stainless Steel, Add	*32.74*	
		For Aluminum, Add	*1.84*	
		For Galvanized Steel, Add	*6.34*	
		For 304 Stainless Steel, Add	*29.16*	
05 12 23 00-0643	LF	8" Junior I-Beam, 6.5 LB/LF	21.64	7.17
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*38.69*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.50*	
		For 304 Stainless Steel, Add	*34.46*	
05 12 23 00-0644	LF	10" Junior I-Beam, 9 LB/LF	27.65	8.19
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.44*	
		For 316 Stainless Steel, Add	*53.54*	
		For Aluminum, Add	*3.01*	
		For Galvanized Steel, Add	*10.37*	
		For 304 Stainless Steel, Add	*47.68*	
05 12 23 00-0645	LF	12" Junior I-Beam, 11.8 LB/LF	34.90	9.72
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000, Deduct	*-4.24*	
		For 316 Stainless Steel, Add	*70.21*	
		For Aluminum, Add	*3.95*	
		For Galvanized Steel, Add	*13.60*	
		For 304 Stainless Steel, Add	*62.53*	
05 12 23 00-0646		**Round Stock** *(05 12 23 00-0438)*		
05 12 23 00-0647	LF	1/4" Carbon Steel Rounds, ASTM A108	1.57	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
		For 304 Stainless Steel, Add	*2.02*	
05 12 23 00-0648	LF	3/8" Carbon Steel Rounds, ASTM A108	2.37	
		For 316 Stainless Steel, Add	*4.48*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.87*	
		For 304 Stainless Steel, Add	*3.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0649	LF	1/2" Carbon Steel Rounds, ASTM A108	3.20	
		For 316 Stainless Steel, Add	*6.82*	
		For Aluminum, Add	*0.38*	
		For Galvanized Steel, Add	*1.32*	
		For 304 Stainless Steel, Add	*6.07*	
05 12 23 00-0650	LF	5/8" Carbon Steel Rounds, ASTM A108	4.74	
		For 316 Stainless Steel, Add	*11.36*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.20*	
		For 304 Stainless Steel, Add	*10.12*	
05 12 23 00-0651	LF	3/4" Carbon Steel Rounds, ASTM A108	5.64	
		For 316 Stainless Steel, Add	*13.50*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.62*	
		For 304 Stainless Steel, Add	*12.03*	
05 12 23 00-0652	LF	7/8" Carbon Steel Rounds, ASTM A108	6.57	
		For 316 Stainless Steel, Add	*15.78*	
		For Aluminum, Add	*0.89*	
		For Galvanized Steel, Add	*3.06*	
		For 304 Stainless Steel, Add	*14.05*	
05 12 23 00-0653	LF	1" Carbon Steel Rounds, ASTM A108	9.45	
		For 316 Stainless Steel, Add	*24.03*	
		For Aluminum, Add	*1.35*	
		For Galvanized Steel, Add	*4.66*	
		For 304 Stainless Steel, Add	*21.40*	
05 12 23 00-0654	LF	1-1/8" Carbon Steel Rounds, ASTM A108	11.49	
		For 316 Stainless Steel, Add	*29.18*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.65*	
		For 304 Stainless Steel, Add	*25.99*	
05 12 23 00-0655	LF	1-1/4" Carbon Steel Rounds, ASTM A108	13.78	
		For 316 Stainless Steel, Add	*34.34*	
		For Aluminum, Add	*1.93*	
		For Galvanized Steel, Add	*6.65*	
		For 304 Stainless Steel, Add	*30.58*	
05 12 23 00-0656	LF	1-3/8" Carbon Steel Rounds, ASTM A108	16.65	
		For 316 Stainless Steel, Add	*41.92*	
		For Aluminum, Add	*2.36*	
		For Galvanized Steel, Add	*8.12*	
		For 304 Stainless Steel, Add	*37.34*	
05 12 23 00-0657	LF	1-1/2" Carbon Steel Rounds, ASTM A108	18.64	
		For 316 Stainless Steel, Add	*45.98*	
		For Aluminum, Add	*2.59*	
		For Galvanized Steel, Add	*8.91*	
		For 304 Stainless Steel, Add	*40.95*	
05 12 23 00-0658	LF	1-5/8" Carbon Steel Rounds, ASTM A108	21.61	
		For 316 Stainless Steel, Add	*52.10*	
		For Aluminum, Add	*2.93*	
		For Galvanized Steel, Add	*10.09*	
		For 304 Stainless Steel, Add	*46.40*	
05 12 23 00-0659	LF	1-3/4" Carbon Steel Rounds, ASTM A108	26.06	
		For 316 Stainless Steel, Add	*60.64*	
		For Aluminum, Add	*3.41*	
		For Galvanized Steel, Add	*11.75*	
		For 304 Stainless Steel, Add	*54.01*	
05 12 23 00-0660	LF	1-7/8" Carbon Steel Rounds, ASTM A108	31.58	
		For 316 Stainless Steel, Add	*71.04*	
		For Aluminum, Add	*4.00*	
		For Galvanized Steel, Add	*13.76*	
		For 304 Stainless Steel, Add	*63.27*	
05 12 23 00-0661	LF	2" Carbon Steel Rounds, ASTM A108	36.28	
		For 316 Stainless Steel, Add	*79.01*	
		For Aluminum, Add	*4.44*	
		For Galvanized Steel, Add	*15.31*	
		For 304 Stainless Steel, Add	*70.37*	
05 12 23 00-0662	LF	2-1/8" Carbon Steel Rounds, ASTM A108	42.59	
		For 316 Stainless Steel, Add	*90.24*	
		For Aluminum, Add	*5.08*	
		For Galvanized Steel, Add	*17.48*	
		For 304 Stainless Steel, Add	*80.37*	
05 12 23 00-0663	LF	2-1/4" Carbon Steel Rounds, ASTM A108	48.25	
		For 316 Stainless Steel, Add	*101.44*	
		For Aluminum, Add	*5.71*	
		For Galvanized Steel, Add	*19.65*	
		For 304 Stainless Steel, Add	*90.35*	
05 12 23 00-0664	LF	2-3/8" Carbon Steel Rounds, ASTM A108	55.29	
		For 316 Stainless Steel, Add	*116.03*	
		For Aluminum, Add	*6.53*	
		For Galvanized Steel, Add	*22.48*	
		For 304 Stainless Steel, Add	*103.34*	
05 12 23 00-0665	LF	2-1/2" Carbon Steel Rounds, ASTM A108	61.43	
		For 316 Stainless Steel, Add	*125.06*	
		For Aluminum, Add	*7.03*	
		For Galvanized Steel, Add	*24.23*	
		For 304 Stainless Steel, Add	*111.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0666	LF	2-5/8" Carbon Steel Rounds, ASTM A108	74.46	
		For 316 Stainless Steel, Add	*158.85*	
		For Aluminum, Add	*8.94*	
		For Galvanized Steel, Add	*30.78*	
		For 304 Stainless Steel, Add	*141.47*	
05 12 23 00-0667	LF	2-3/4" Carbon Steel Rounds, ASTM A108	84.74	
		For 316 Stainless Steel, Add	*181.15*	
		For Aluminum, Add	*10.19*	
		For Galvanized Steel, Add	*35.10*	
		For 304 Stainless Steel, Add	*161.34*	
05 12 23 00-0668	LF	2-7/8 Carbon Steel Rounds, ASTM A108	94.53	
		For 316 Stainless Steel, Add	*201.86*	
		For Aluminum, Add	*11.35*	
		For Galvanized Steel, Add	*39.11*	
		For 304 Stainless Steel, Add	*179.78*	
05 12 23 00-0669	LF	3" Carbon Steel Rounds, ASTM A108	99.74	
		For 316 Stainless Steel, Add	*207.94*	
		For Aluminum, Add	*11.70*	
		For Galvanized Steel, Add	*40.29*	
		For 304 Stainless Steel, Add	*185.19*	
05 12 23 00-0670	LF	3-1/8" Carbon Steel Rounds, ASTM A108	104.49	
		For 316 Stainless Steel, Add	*212.54*	
		For Aluminum, Add	*11.96*	
		For Galvanized Steel, Add	*41.18*	
		For 304 Stainless Steel, Add	*189.30*	
05 12 23 00-0671	LF	3-1/4" Carbon Steel Rounds, ASTM A108	110.50	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
		For 304 Stainless Steel, Add	*197.02*	
05 12 23 00-0672	LF	3-1/2" Carbon Steel Rounds, ASTM A108	133.22	
		For 316 Stainless Steel, Add	*280.67*	
		For Aluminum, Add	*15.79*	
		For Galvanized Steel, Add	*54.38*	
		For 304 Stainless Steel, Add	*249.97*	
05 12 23 00-0673	LF	3-5/8" Carbon Steel Rounds, ASTM A108	147.77	
		For 316 Stainless Steel, Add	*313.98*	
		For Aluminum, Add	*17.66*	
		For Galvanized Steel, Add	*60.83*	
		For 304 Stainless Steel, Add	*279.64*	
05 12 23 00-0674	LF	3-3/4" Carbon Steel Rounds, ASTM A108	158.75	
		For 316 Stainless Steel, Add	*335.87*	
		For Aluminum, Add	*18.89*	
		For Galvanized Steel, Add	*65.08*	
		For 304 Stainless Steel, Add	*299.14*	
05 12 23 00-0675	LF	4" Carbon Steel Rounds, ASTM A108	177.43	
		For 316 Stainless Steel, Add	*382.40*	
		For Aluminum, Add	*21.51*	
		For Galvanized Steel, Add	*74.09*	
		For 304 Stainless Steel, Add	*340.58*	

05 12 23 00-0676 Square Stock *(05 12 23 00-0438)*

05 12 23 00-0677	LF	3/8" Square Bar Stock	1.38	
		For 316 Stainless Steel, Add	*1.31*	
		For Aluminum, Add	*0.07*	
		For Galvanized Steel, Add	*0.25*	
		For 304 Stainless Steel, Add	*1.17*	
05 12 23 00-0678	LF	1/2" Square Bar Stock	1.80	
		For 316 Stainless Steel, Add	*2.34*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.45*	
		For 304 Stainless Steel, Add	*2.08*	
05 12 23 00-0679	LF	5/8" Square Bar Stock	2.33	
		For 316 Stainless Steel, Add	*3.65*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.71*	
		For 304 Stainless Steel, Add	*3.25*	
05 12 23 00-0680	LF	3/4" Square Bar Stock	3.07	
		For 316 Stainless Steel, Add	*5.28*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
		For 304 Stainless Steel, Add	*4.70*	
05 12 23 00-0681	LF	7/8" Square Bar Stock	3.94	
		For 316 Stainless Steel, Add	*7.36*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.43*	
		For 304 Stainless Steel, Add	*6.56*	
05 12 23 00-0682	LF	1" Square Bar Stock	4.88	
		For 316 Stainless Steel, Add	*9.41*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For 304 Stainless Steel, Add	*8.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0683	LF	1-1/4" Square Bar Stock	7.63	
		For 316 Stainless Steel, Add	*14.66*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*13.05*	
05 12 23 00-0684	LF	1-1/2" Square Bar Stock	10.87	
		For 316 Stainless Steel, Add	*21.12*	
		For Aluminum, Add	*1.19*	
		For Galvanized Steel, Add	*4.09*	
		For 304 Stainless Steel, Add	*18.81*	
05 12 23 00-0685	LF	1-3/4" Square Bar Stock	16.29	
		For 316 Stainless Steel, Add	*29.38*	
		For Aluminum, Add	*1.65*	
		For Galvanized Steel, Add	*5.69*	
		For 304 Stainless Steel, Add	*26.16*	
05 12 23 00-0686	LF	2" Square Bar Stock	23.68	
		For 316 Stainless Steel, Add	*37.57*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.28*	
		For 304 Stainless Steel, Add	*33.46*	

05 12 23 00-0687 Steel Tubing *(05 12 23 00-0438)*

Note: General purpose low-carbon steel.

05 12 23 00-0688 Square Steel Tubing *(05 12 23 00-0687)*

05 12 23 00-0689 0.06" Wall Thickness *(05 12 23 00-0688)*

05 12 23 00-0690	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	1.69	0.46
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000, Deduct	*-0.20*	
		For Galvanized Steel, Add	*0.67*	
05 12 23 00-0691	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	2.61	0.72
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.32*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0692	LF	1" x 1" x 0.06" Square Steel Tubing	3.51	1.31
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.43*	
		For Galvanized Steel, Add	*1.36*	
05 12 23 00-0693	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.62	1.25
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.55*	
		For Galvanized Steel, Add	*1.84*	
05 12 23 00-0694	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	5.48	1.51
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.66*	
		For Galvanized Steel, Add	*2.16*	

05 12 23 00-0695 0.083" Wall Thickness *(05 12 23 00-0688)*

05 12 23 00-0696	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	3.04	0.85
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.37*	
		For Galvanized Steel, Add	*1.18*	
05 12 23 00-0697	LF	1" x 1" x 0.083" Square Steel Tubing	4.40	1.16
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.52*	
		For Galvanized Steel, Add	*1.77*	
05 12 23 00-0698	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	5.33	1.48
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.64*	
		For Galvanized Steel, Add	*2.09*	
05 12 23 00-0699	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	6.45	1.79
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.78*	
		For Galvanized Steel, Add	*2.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0700	LF	2" x 2" x 0.083" Square Steel Tubing	8.29	2.39
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-1.02*	
		For Galvanized Steel, Add	*3.17*	
05 12 23 00-0701		0.12" Wall Thickness *(05 12 23 00-0688)*		
05 12 23 00-0702	LF	1" x 1" x 0.12" Square Steel Tubing	4.88	1.38
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.60*	
		For Galvanized Steel, Add	*1.88*	
05 12 23 00-0703	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	6.29	1.77
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.77*	
		For Galvanized Steel, Add	*2.43*	
05 12 23 00-0704	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	7.71	2.16
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.94*	
		For Galvanized Steel, Add	*2.99*	
05 12 23 00-0705	LF	2" x 2" x 0.12" Square Steel Tubing	10.44	2.95
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000, Deduct	*-1.27*	
		For Galvanized Steel, Add	*4.04*	
05 12 23 00-0706		1/8" Wall Thickness *(05 12 23 00-0688)*		
05 12 23 00-0707	LF	2" x 2" x 1/8" Square Steel Tubing	9.52	3.06
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.23*	
		For Galvanized Steel, Add	*3.37*	
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	12.50	3.88
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.58*	
		For Galvanized Steel, Add	*4.54*	
05 12 23 00-0709	LF	3" x 3" x 1/8" Square Steel Tubing	14.69	4.69
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000, Deduct	*-1.88*	
		For Galvanized Steel, Add	*5.23*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	17.04	5.52
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.20*	
		For Galvanized Steel, Add	*6.01*	
05 12 23 00-0711	LF	4" x 4" x 1/8" Square Steel Tubing	18.85	6.33
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000, Deduct	*-2.47*	
		For Galvanized Steel, Add	*6.45*	
05 12 23 00-0712		3/16" Wall Thickness *(05 12 23 00-0688)*		
05 12 23 00-0713	LF	2" x 2" x 3/16" Square Steel Tubing	10.79	3.45
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.39*	
		For Galvanized Steel, Add	*3.83*	
05 12 23 00-0714	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	13.95	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.79*	
		For Galvanized Steel, Add	*4.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0715	LF	3" x 3" x 3/16" Square Steel Tubing	17.15	5.50
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.20*	
		For Galvanized Steel, Add	*6.09*	
05 12 23 00-0716	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	20.34	6.52
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.61*	
		For Galvanized Steel, Add	*7.22*	
05 12 23 00-0717	LF	4" x 4" x 3/16" Square Steel Tubing	23.52	7.53
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0718	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	26.71	8.56
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For Galvanized Steel, Add	*9.49*	
05 12 23 00-0719	LF	5" x 5" x 3/16" Square Steel Tubing	29.87	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.77*	
		For >1,000, Deduct	*-3.84*	
		For Galvanized Steel, Add	*10.61*	
05 12 23 00-0720	LF	6" x 6" x 3/16" Square Steel Tubing	36.26	11.62
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-4.66*	
		For Galvanized Steel, Add	*12.88*	

05 12 23 00-0721 1/4" Wall Thickness *(05 12 23 00-0688)*

05 12 23 00-0722	LF	2" x 2" x 1/4" Square Steel Tubing	11.44	3.46
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.43*	
		For Galvanized Steel, Add	*4.23*	
05 12 23 00-0723	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	15.04	4.55
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000, Deduct	*-1.89*	
		For Galvanized Steel, Add	*5.56*	
05 12 23 00-0724	LF	3" x 3" x 1/4" Square Steel Tubing	18.64	5.64
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.34*	
		For Galvanized Steel, Add	*6.89*	
05 12 23 00-0725	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	22.23	6.72
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000, Deduct	*-2.79*	
		For Galvanized Steel, Add	*8.22*	
05 12 23 00-0726	LF	4" x 4" x 1/4" Square Steel Tubing	25.83	7.81
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*9.55*	
05 12 23 00-0727	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	29.42	8.90
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.69*	
		For Galvanized Steel, Add	*10.88*	
05 12 23 00-0728	LF	5" x 5" x 1/4" Square Steel Tubing	33.04	10.00
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.14*	
		For Galvanized Steel, Add	*12.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0729	LF	6" x 6" x 1/4" Square Steel Tubing	40.23	12.17
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000, Deduct	*-5.05*	
		For Galvanized Steel, Add	*14.88*	

05 12 23 00-0730 Rectangular Steel Tubing *(05 12 23 00-0687)*

05 12 23 00-0731 3/16" Wall Thickness *(05 12 23 00-0730)*

05 12 23 00-0732	LF	3" x 2" x 3/16" Square Steel Tubing	13.95	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.79*	
		For Galvanized Steel, Add	*4.95*	
05 12 23 00-0733	LF	4" x 2" x 3/16" Square Steel Tubing	17.15	5.50
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.20*	
		For Galvanized Steel, Add	*6.09*	
05 12 23 00-0734	LF	4" x 3" x 3/16" Square Steel Tubing	20.34	6.52
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.61*	
		For Galvanized Steel, Add	*7.22*	
05 12 23 00-0735	LF	5" x 2" x 3/16" Square Steel Tubing	20.34	6.52
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.61*	
		For Galvanized Steel, Add	*7.22*	
05 12 23 00-0736	LF	5" x 3" x 3/16" Square Steel Tubing	23.52	7.53
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0737	LF	5" x 4" x 3/16" Square Steel Tubing	26.71	8.56
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For Galvanized Steel, Add	*9.49*	
05 12 23 00-0738	LF	6" x 2" x 3/16" Square Steel Tubing	23.52	7.53
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0739	LF	6" x 3" x 3/16" Square Steel Tubing	26.71	8.56
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For Galvanized Steel, Add	*9.49*	
05 12 23 00-0740	LF	6" x 4" x 3/16" Square Steel Tubing	29.87	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.77*	
		For >1,000, Deduct	*-3.84*	
		For Galvanized Steel, Add	*10.61*	

05 12 23 00-0741 1/4" Wall Thickness *(05 12 23 00-0730)*

05 12 23 00-0742	LF	3" x 2" x 1/4" Square Steel Tubing	15.04	4.55
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000, Deduct	*-1.89*	
		For Galvanized Steel, Add	*5.56*	
05 12 23 00-0743	LF	4" x 2" x 1/4" Square Steel Tubing	18.64	5.64
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.34*	
		For Galvanized Steel, Add	*6.89*	
05 12 23 00-0744	LF	4" x 3" x 1/4" Square Steel Tubing	22.23	6.72
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000, Deduct	*-2.79*	
		For Galvanized Steel, Add	*8.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0745	LF	5" x 2" x 1/4" Square Steel Tubing	22.23	6.72
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000, Deduct	*-2.79*	
		For Galvanized Steel, Add	*8.22*	
05 12 23 00-0746	LF	5" x 3" x 1/4" Square Steel Tubing	25.83	7.81
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*9.55*	
05 12 23 00-0747	LF	5" x 4" x 1/4" Square Steel Tubing	29.42	8.90
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.69*	
		For Galvanized Steel, Add	*10.88*	
05 12 23 00-0748	LF	6" x 2" x 1/4" Square Steel Tubing	25.83	7.81
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*9.55*	
05 12 23 00-0749	LF	6" x 3" x 1/4" Square Steel Tubing	29.42	8.90
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.69*	
		For Galvanized Steel, Add	*10.88*	
05 12 23 00-0750	LF	6" x 4" x 1/4" Square Steel Tubing	33.04	10.00
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.14*	
		For Galvanized Steel, Add	*12.22*	
05 12 23 00-0751		Round Steel Tubing *(05 12 23 00-0687)*		
05 12 23 00-0752		0.065" Wall Thickness *(05 12 23 00-0751)*		
05 12 23 00-0753	LF	1" Diameter x 0.065" Round Steel Tubing	3.03	0.83
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.37*	
		For Galvanized Steel, Add	*1.19*	
05 12 23 00-0754	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	3.84	1.06
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.46*	
		For Galvanized Steel, Add	*1.51*	
05 12 23 00-0755	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	4.64	1.28
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.56*	
		For Galvanized Steel, Add	*1.82*	
05 12 23 00-0756	LF	2" Diameter x 0.065" Round Steel Tubing	6.26	1.72
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.76*	
		For Galvanized Steel, Add	*2.46*	
05 12 23 00-0757	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	7.88	2.16
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.95*	
		For Galvanized Steel, Add	*3.10*	
05 12 23 00-0758	LF	3" Diameter x 0.065" Round Steel Tubing	9.49	2.61
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.15*	
		For Galvanized Steel, Add	*3.73*	
05 12 23 00-0759	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	11.12	3.05
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.34*	
		For Galvanized Steel, Add	*4.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0760	LF	4" Diameter x 0.065" Round Steel Tubing	12.74	3.49
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000, Deduct	*-1.54*	
		For Galvanized Steel, Add	*5.01*	

05 12 23 00-0761 0.083" Wall Thickness *(05 12 23 00-0751)*

05 12 23 00-0762	LF	1" Diameter x 0.083" Round Steel Tubing	3.30	0.91
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.40*	
		For Galvanized Steel, Add	*1.29*	
05 12 23 00-0763	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	4.18	1.16
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.51*	
		For Galvanized Steel, Add	*1.64*	
05 12 23 00-0764	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	5.08	1.41
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.61*	
		For Galvanized Steel, Add	*1.99*	
05 12 23 00-0765	LF	2" Diameter x 0.083" Round Steel Tubing	6.88	1.90
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.83*	
		For Galvanized Steel, Add	*2.69*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	8.67	2.40
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.05*	
		For Galvanized Steel, Add	*3.39*	
05 12 23 00-0767	LF	3" Diameter x 0.083" Round Steel Tubing	10.47	2.90
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.27*	
		For Galvanized Steel, Add	*4.09*	
05 12 23 00-0768	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	12.25	3.39
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.48*	
		For Galvanized Steel, Add	*4.79*	
05 12 23 00-0769	LF	4" Diameter x 0.083" Round Steel Tubing	14.04	3.89
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.70*	
		For Galvanized Steel, Add	*5.49*	

05 12 23 00-0770 0.125" Wall Thickness *(05 12 23 00-0751)*

05 12 23 00-0771	LF	2" Diameter x 0.125" Round Steel Tubing	7.46	2.41
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.96*	
		For Galvanized Steel, Add	*2.64*	
05 12 23 00-0772	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	9.45	3.04
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.22*	
		For Galvanized Steel, Add	*3.34*	
05 12 23 00-0773	LF	3" Diameter x 0.125" Round Steel Tubing	11.44	3.68
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.47*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0774	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	13.43	4.33
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.73*	
		For Galvanized Steel, Add	*4.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0775	LF	4" Diameter x 0.125" Round Steel Tubing	15.42	4.96
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.98*	
		For Galvanized Steel, Add	*5.46*	
05 12 23 00-0776		**Flat Steel Bar** *(05 12 23 00-0438)*		
05 12 23 00-0777		**1/8" Thick** *(05 12 23 00-0776)*		
05 12 23 00-0778	LF	1/8" Thick x 1" Wide Flat Steel Bar	2.37	1.20
		For Galvanized Steel, Add	*0.36*	
05 12 23 00-0779	LF	1/8" Thick x 2" Wide Flat Steel Bar	3.65	1.79
		For Galvanized Steel, Add	*0.60*	
05 12 23 00-0780	LF	1/8" Thick x 4" Wide Flat Steel Bar	5.53	2.53
		For Galvanized Steel, Add	*1.09*	
05 12 23 00-0781	LF	1/8" Thick x 6" Wide Flat Steel Bar	7.50	3.43
		For Galvanized Steel, Add	*1.46*	
05 12 23 00-0782		**3/16" Thick** *(05 12 23 00-0776)*		
05 12 23 00-0783	LF	3/16" Thick x 1" Wide Flat Steel Bar	3.10	1.48
		For Galvanized Steel, Add	*0.55*	
05 12 23 00-0784	LF	3/16" Thick x 2" Wide Flat Steel Bar	4.86	2.22
		For Galvanized Steel, Add	*0.94*	
05 12 23 00-0785	LF	3/16" Thick x 4" Wide Flat Steel Bar	6.39	2.56
		For Galvanized Steel, Add	*1.59*	
05 12 23 00-0786	LF	3/16" Thick x 6" Wide Flat Steel Bar	8.86	3.55
		For Galvanized Steel, Add	*2.19*	
05 12 23 00-0787		**1/4" Thick** *(05 12 23 00-0776)*		
05 12 23 00-0788	LF	1/4" Thick x 1" Wide Flat Steel Bar	3.23	1.57
		For Galvanized Steel, Add	*0.54*	
05 12 23 00-0789	LF	1/4" Thick x 2" Wide Flat Steel Bar	5.29	2.36
		For Galvanized Steel, Add	*1.09*	
05 12 23 00-0790	LF	1/4" Thick x 4" Wide Flat Steel Bar	7.44	2.69
		For Galvanized Steel, Add	*2.11*	
05 12 23 00-0791	LF	1/4" Thick x 6" Wide Flat Steel Bar	10.79	3.98
		For Galvanized Steel, Add	*2.99*	
05 12 23 00-0792		**3/8" Thick** *(05 12 23 00-0776)*		
05 12 23 00-0793	LF	3/8" Thick x 1" Wide Flat Steel Bar	4.02	1.76
		For Galvanized Steel, Add	*0.84*	
05 12 23 00-0794	LF	3/8" Thick x 2" Wide Flat Steel Bar	6.49	2.65
		For Galvanized Steel, Add	*1.56*	
05 12 23 00-0795	LF	3/8" Thick x 4" Wide Flat Steel Bar	9.57	3.02
		For Galvanized Steel, Add	*3.12*	
05 12 23 00-0796	LF	3/8" Thick x 6" Wide Flat Steel Bar	13.80	4.47
		For Galvanized Steel, Add	*4.39*	
05 12 23 00-0797		**1/2" Thick** *(05 12 23 00-0776)*		
05 12 23 00-0798	LF	1/2" Thick x 1" Wide Flat Steel Bar	4.67	1.93
		For Galvanized Steel, Add	*1.09*	
05 12 23 00-0799	LF	1/2" Thick x 2" Wide Flat Steel Bar	7.59	2.92
		For Galvanized Steel, Add	*1.99*	
05 12 23 00-0800	LF	1/2" Thick x 4" Wide Flat Steel Bar	10.46	3.32
		For Galvanized Steel, Add	*3.39*	
05 12 23 00-0801	LF	1/2" Thick x 6" Wide Flat Steel Bar	18.30	4.92
		For Galvanized Steel, Add	*6.76*	
05 12 23 00-0802		**Flat Steel Plate** *(05 12 23 00-0438)*		
05 12 23 00-0803	SF	1/8" Thick Flat Steel Plate	11.84	5.14
		For 316 Stainless Steel, Add	*13.18*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*11.74*	
05 12 23 00-0804	SF	3/16" Thick Flat Steel Plate	13.14	5.32
		For 316 Stainless Steel, Add	*16.48*	
		For Aluminum, Add	*0.93*	
		For Galvanized Steel, Add	*3.19*	
		For 304 Stainless Steel, Add	*14.68*	
05 12 23 00-0805	SF	1/4" Thick Flat Steel Plate	15.53	5.96
		For 316 Stainless Steel, Add	*21.02*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.07*	
		For 304 Stainless Steel, Add	*18.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0806	SF	3/8" Thick Flat Steel Plate	20.39	6.71
		For 316 Stainless Steel, Add	*32.99*	
		For Aluminum, Add	*1.86*	
		For Galvanized Steel, Add	*6.39*	
		For 304 Stainless Steel, Add	*29.38*	
05 12 23 00-0807	SF	1/2" Thick Flat Steel Plate	23.92	7.38
		For 316 Stainless Steel, Add	*41.09*	
		For Aluminum, Add	*2.31*	
		For Galvanized Steel, Add	*7.96*	
		For 304 Stainless Steel, Add	*36.59*	
05 12 23 00-0808	SF	3/4" Thick Flat Steel Plate	37.93	9.14
		For 316 Stainless Steel, Add	*77.06*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.93*	
		For 304 Stainless Steel, Add	*68.63*	
05 12 23 00-0809	SF	1" Thick Flat Steel Plate	50.28	11.42
		For 316 Stainless Steel, Add	*105.50*	
		For Aluminum, Add	*5.93*	
		For Galvanized Steel, Add	*20.44*	
		For 304 Stainless Steel, Add	*93.96*	

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001 Stainless Steel Tube *(05 13)*

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	24.29	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	31.52	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	42.06	

05 14 Structural Aluminum Framing *(05 10)*

05 14 16 Structural Aluminum Framing *(05 14)*

05 14 16 00-0001 Rolled Or Plate Shapes *(05 14 16)*

Note: 1" through 10" member.

05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	5.05	0.67
05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	4.48	0.62

05 14 16 00-0004 Aluminum Extrusions *(05 14 16)*

05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	9.06	2.78
05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	9.51	2.78

05 14 16 00-0007 Aluminum Tubing *(05 14 16)*

05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	10.24	2.90
05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	11.74	4.69
05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	13.52	5.11
05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	15.64	5.97
05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	17.73	6.40
05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	38.95	8.10
05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	32.64	7.25

05 14 16 00-0015 Columns *(05 14 16)*

Note: Baked on paint finish, load bearing.

05 14 16 00-0016 Round Columns *(05 14 16 00-0015)*

05 14 16 00-0017	LF	6" Diameter Aluminum Column	31.00	5.55
05 14 16 00-0018	LF	8" Diameter Aluminum Column	41.20	7.94
05 14 16 00-0019	LF	10" Diameter Aluminum Column	49.80	8.94
05 14 16 00-0020	LF	12" Diameter Aluminum Column	72.24	9.35
05 14 16 00-0021	LF	15" Diameter Aluminum Column	91.54	10.84
05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	59.38	10.35
05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	67.57	11.17
05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	84.26	12.41
05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	140.70	13.24
05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	211.94	14.48

05 14 16 00-0027 Octagonal Columns *(05 14 16 00-0015)*

05 14 16 00-0028	LF	6" Diameter Aluminum Column	33.79	5.55
05 14 16 00-0029	LF	8" Diameter Aluminum Column	46.26	7.94
05 14 16 00-0030	LF	10" Diameter Aluminum Column	56.19	8.94
05 14 16 00-0031	LF	12" Diameter Aluminum Column	82.97	9.35
05 14 16 00-0032	LF	15" Diameter Aluminum Column	105.53	10.84
05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	67.12	10.35
05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	76.62	11.17
05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	96.15	12.41
05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	163.54	13.24
05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	248.54	14.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0038		**Fluted Columns** *(05 14 16 00-0015)*		
05 14 16 00-0039	LF	6" Diameter Aluminum Column	37.21	5.55
05 14 16 00-0040	LF	8" Diameter Aluminum Column	50.81	7.94
05 14 16 00-0041	LF	10" Diameter Aluminum Column	61.94	8.94
05 14 16 00-0042	LF	12" Diameter Aluminum Column	92.62	9.35
05 14 16 00-0043	LF	15" Diameter Aluminum Column	118.11	10.84
05 14 16 00-0044	EA	6" Diameter Aluminum Base And Cap	74.09	10.35
05 14 16 00-0045	EA	8" Diameter Aluminum Base And Cap	84.76	11.17
05 14 16 00-0046	EA	10" Diameter Aluminum Base And Cap	106.85	12.41
05 14 16 00-0047	EA	12" Diameter Aluminum Base And Cap	184.10	13.24
05 14 16 00-0048	EA	15" Diameter Aluminum Base And Cap	281.48	14.48
05 14 16 00-0049		**Square Columns** *(05 14 16 00-0015)*		
05 14 16 00-0050	LF	6" Aluminum Column	39.55	5.55
05 14 16 00-0051	LF	8" Aluminum Column	53.93	7.94
05 14 16 00-0052	LF	10" Aluminum Column	65.87	8.94
05 14 16 00-0053	LF	12" Aluminum Column	99.22	9.35
05 14 16 00-0054	LF	15" Aluminum Column	126.72	10.84
05 14 16 00-0055	EA	6" Aluminum Base And Cap	78.85	10.35
05 14 16 00-0056	EA	8" Aluminum Base And Cap	90.32	11.17
05 14 16 00-0057	EA	10" Aluminum Base And Cap	114.16	12.41
05 14 16 00-0058	EA	12" Aluminum Base And Cap	198.16	13.24
05 14 16 00-0059	EA	15" Aluminum Base And Cap	304.00	14.48
05 14 16 00-0060		**Ornamental Or Decorative Cap And Bases** *(05 14 16 00-0015)*		
05 14 16 00-0061	EA	8" Corinthian Capital And Base	418.76	12.41
05 14 16 00-0062	EA	10" Corinthian Capital And Base	613.97	14.48
05 14 16 00-0063	EA	12" Corinthian Capital And Base	967.44	16.55
05 14 16 00-0064	EA	8" Scamozzi Capital And Base	211.69	12.41
05 14 16 00-0065	EA	10" Scamozzi Capital And Base	282.33	14.48
05 14 16 00-0066	EA	12" Scamozzi Capital And Base	560.37	16.55

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		**6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.15	0.08
		For >500, Deduct	*-0.20*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.55	0.08
		For >500, Deduct	*-0.26*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.84	0.17
		For >500, Deduct	*-0.30*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.21	0.17
		For >500, Deduct	*-0.35*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.58	0.25
		For >500, Deduct	*-0.40*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.17	0.34
		For >500, Deduct	*-0.48*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.79	0.34
		For >500, Deduct	*-0.57*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.25	0.59
		For >500, Deduct	*-0.78*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.07	0.68
		For >500, Deduct	*-1.05*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.81	0.94
		For >500, Deduct	*-1.28*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.90	1.20
		For >500, Deduct	*-1.58*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.27	1.45
		For >500, Deduct	*-1.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0014		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.35	0.08
		For >500, Deduct	*-0.24*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.75	0.08
		For >500, Deduct	*-0.30*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.17	0.17
		For >500, Deduct	*-0.37*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.46	0.17
		For >500, Deduct	*-0.40*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.95	0.25
		For >500, Deduct	*-0.47*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.41	0.34
		For >500, Deduct	*-0.53*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.98	0.34
		For >500, Deduct	*-0.61*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.84	0.59
		For >500, Deduct	*-0.90*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.51	0.68
		For >500, Deduct	*-1.14*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.24	0.94
		For >500, Deduct	*-1.37*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.84	1.20
		For >500, Deduct	*-1.76*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	14.38	1.45
		For >500, Deduct	*-2.15*	
05 15 16 00-0027		6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.07	0.08
		For >500, Deduct	*-0.18*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.46	0.08
		For >500, Deduct	*-0.25*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.73	0.17
		For >500, Deduct	*-0.28*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.03	0.17
		For >500, Deduct	*-0.32*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.47	0.25
		For >500, Deduct	*-0.38*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.12	0.34
		For >500, Deduct	*-0.47*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.64	0.34
		For >500, Deduct	*-0.54*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.11	0.59
		For >500, Deduct	*-0.75*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	6.29	0.68
		For >500, Deduct	*-0.89*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.00	0.94
		For >500, Deduct	*-1.12*	
05 15 16 00-0038		6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.06	0.08
		For >500, Deduct	*-0.18*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.41	0.08
		For >500, Deduct	*-0.24*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.73	0.17
		For >500, Deduct	*-0.28*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.03	0.17
		For >500, Deduct	*-0.32*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.57	0.25
		For >500, Deduct	*-0.40*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.07	0.34
		For >500, Deduct	*-0.46*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.84	0.34
		For >500, Deduct	*-0.58*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.35	0.59
		For >500, Deduct	*-0.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.02	0.68
		For >500, Deduct	*-1.04*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.66	0.94
		For >500, Deduct	*-1.26*	
05 15 16 00-0049		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	1.96	0.17
		For >500, Deduct	*-0.33*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.29	0.17
		For >500, Deduct	*-0.37*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.70	0.25
		For >500, Deduct	*-0.42*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.64	0.34
		For >500, Deduct	*-0.58*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.01	0.34
		For >500, Deduct	*-0.62*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.47	0.59
		For >500, Deduct	*-0.83*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.04	0.68
		For >500, Deduct	*-1.04*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.28	0.94
		For >500, Deduct	*-1.37*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	11.24	1.20
		For >500, Deduct	*-1.65*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.56	1.45
		For >500, Deduct	*-1.98*	
05 15 16 00-0060		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.01	0.17
		For >500, Deduct	*-0.34*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.42	0.17
		For >500, Deduct	*-0.40*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.89	0.25
		For >500, Deduct	*-0.46*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.03	0.34
		For >500, Deduct	*-0.65*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.08	0.34
		For >500, Deduct	*-0.63*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.60	0.59
		For >500, Deduct	*-0.85*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.44	0.68
		For >500, Deduct	*-1.12*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.41	0.94
		For >500, Deduct	*-1.40*	
05 15 16 00-0069		19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope *(05 15 16)*		
05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.06	0.08
		For >500, Deduct	*-0.38*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.23	0.08
		For >500, Deduct	*-0.40*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.62	0.17
		For >500, Deduct	*-0.46*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.52	0.17
		For >500, Deduct	*-0.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.01	0.17
		For >500, Deduct	*-0.71*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.67	0.34
		For >500, Deduct	*-0.78*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.55	0.34
		For >500, Deduct	*-0.93*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.64	0.51
		For >500, Deduct	*-1.27*	
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.24	0.06
		For >500, Deduct	*-0.03*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.27	0.07
		For >500, Deduct	*-0.03*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.31	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.35	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.43	0.08
		For >500, Deduct	*-0.05*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.42	0.08
		For >500, Deduct	*-0.06*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.46	0.08
		For >500, Deduct	*-0.07*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.53	0.08
		For >500, Deduct	*-0.07*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.08
		For >500, Deduct	*-0.09*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.94	0.08
		For >500, Deduct	*-0.14*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.26	0.08
		For >500, Deduct	*-0.19*	
05 15 16 00-0091		**Heavy Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.77	2.56
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.53	2.56
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.38	2.56
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.71	2.56
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.72	2.56
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.72	2.56
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.51	2.56
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.93
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	30.19	4.78
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	52.60	7.85
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	74.48	10.66
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	74.48	10.66
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	11.48	2.56
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	11.66	2.56
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	12.91	2.56
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	13.10	2.56
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	13.38	2.56
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	16.06	2.56
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	16.27	2.56
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	18.29	2.56
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	18.56	2.56
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	25.83	3.41
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	39.03	5.11
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	42.39	5.11
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	50.49	6.82
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	73.47	10.24
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	42.23	2.56
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	65.59	2.56
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	68.97	3.41
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	83.08	4.27
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	83.08	4.27
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	127.27	9.38
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	127.27	9.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	172.49	17.92
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	234.33	25.59
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	336.20	39.24
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	459.85	61.42
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	535.66	70.80
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	34.73	2.56
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	45.64	2.56
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	45.64	2.56
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	57.61	3.41
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	58.55	3.41
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	83.23	5.97
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	87.30	6.82
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	111.39	11.09
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	147.68	16.21
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	210.96	22.17
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	266.30	30.71
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	372.14	47.77
05 15 16 00-0145		**Galvanized Steel, Open Spelter Sockets** *(05 15 16)*		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	68.09	2.56
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	70.97	2.56
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	70.97	2.56
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	82.62	5.11
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	82.62	5.11
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	112.06	8.53
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	112.06	8.53
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	145.77	12.79
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	221.72	21.33
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	392.33	33.27
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	488.05	53.74
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	657.90	70.80
05 15 16 00-0158		**Galvanized Steel, Closed Spelter Sockets** *(05 15 16)*		
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	57.71	2.56
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	58.03	2.56
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	58.03	2.56
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	67.63	4.27
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	67.63	4.27
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	98.15	7.68
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	98.15	7.68
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	124.39	11.09
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	182.86	17.06
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	277.77	26.44
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	364.80	35.82
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	464.36	47.77
05 15 16 00-0171		**Forged Steel, Jaw And Jaw Turnbuckles** *(05 15 16)*		
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	40.90	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-4.86*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	43.59	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-5.26*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	48.58	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-6.01*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	55.99	3.41
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-6.25*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	73.22	4.27
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-8.32*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	83.33	5.11
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-9.42*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	87.18	6.82
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-9.14*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	106.08	6.82
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-11.65*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	119.65	7.68
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.38*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	117.95	9.38
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-12.25*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	135.83	11.09
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.64*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	164.83	11.94
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.41*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	198.37	14.50
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-20.93*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	232.03	20.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	279.80	23.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-27.75*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	239.66	20.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-23.76*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	280.21	26.44
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-26.04*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	377.66	33.27
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.96*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	425.97	39.24
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-40.63*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	481.96	47.77
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-43.86*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	575.08	53.74
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-54.27*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	730.72	61.42
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-73.05*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	731.86	65.69
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-70.41*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	828.22	85.31
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-73.05*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,409.31	110.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-147.42*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,378.55	213.26
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-228.83*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	10.44
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	10.48
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	11.49
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	13.61
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	13.56
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	17.84
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.78
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	27.31
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	35.42
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	50.33
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	59.54
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	105.04
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	120.17
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	147.80

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	13.02
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	12.08
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	15.37
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	11.23
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	14.17
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	20.05
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	19.59
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	18.75
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.08
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.62
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.04
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	13.44
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.62
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.70
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.20
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.91
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.25
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.55
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.79
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.26
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.86
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.96
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.63
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.00
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.36
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.14
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.74
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.70
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.14
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	41.63
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	54.27

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.36	0.06
		For >500, Deduct	*-0.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.48	0.07
		For >500, Deduct	*-0.08*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.66	0.08
		For >500, Deduct	*-0.11*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.90	0.08
		For >500, Deduct	*-0.15*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	1.16	0.08
		For >500, Deduct	*-0.20*	
05 15 19 00-0007		7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.78	0.08
		For >500, Deduct	*-0.13*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.92	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.08	0.08
		For >500, Deduct	*-0.18*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.47	0.08
		For >500, Deduct	*-0.26*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.23	0.08
		For >500, Deduct	*-0.40*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	3.36	0.17
		For >500, Deduct	*-0.61*	
05 15 19 00-0014		7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.36	0.06
		For >500, Deduct	*-0.05*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.48	0.07
		For >500, Deduct	*-0.08*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.66	0.08
		For >500, Deduct	*-0.11*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.90	0.08
		For >500, Deduct	*-0.15*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	1.16	0.08
		For >500, Deduct	*-0.20*	
05 15 19 00-0020		7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.78	0.08
		For >500, Deduct	*-0.13*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.92	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.08	0.08
		For >500, Deduct	*-0.18*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.47	0.08
		For >500, Deduct	*-0.26*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	2.23	0.08
		For >500, Deduct	*-0.40*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	3.36	0.08
		For >500, Deduct	*-0.61*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,256.57	146.81
		For Welded Cross Bridging, Add	*183.51*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*197.38*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,071.11	137.63
		For Welded Cross Bridging, Add	*163.12*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*183.29*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,500.36	137.63
		For Welded Cross Bridging, Add	*169.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*232.29*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	2,844.49	137.63
		For Welded Cross Bridging, Add	*169.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*273.58*	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,504.40	137.63
		For Welded Cross Bridging, Add	*183.51*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*227.12*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,145.60	137.63
		For Welded Cross Bridging, Add	*169.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*309.72*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

05 31 00 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31)*

05 31 00 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	1.83
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*0.83*
		For >100 To 500, Add	*0.40*
		For >500 To 1,500, Add	*0.18*
05 31 00 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	1.94
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*0.88*
		For >100 To 500, Add	*0.42*
		For >500 To 1,500, Add	*0.19*
05 31 00 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.16
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*1.01*
		For >100 To 500, Add	*0.48*
		For >500 To 1,500, Add	*0.22*
05 31 00 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	2.35
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*1.14*
		For >100 To 500, Add	*0.54*
		For >500 To 1,500, Add	*0.25*
05 31 00 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.17
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*0.90*
		For >100 To 500, Add	*0.45*
		For >500 To 1,500, Add	*0.19*
05 31 00 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	2.28
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*0.95*
		For >100 To 500, Add	*0.47*
		For >500 To 1,500, Add	*0.20*
05 31 00 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.41
		For Painted, Deduct	*-0.08*
		For Perforated Or Slotted, Add	*0.08*
		For Up To 100, Add	*1.03*
		For >100 To 500, Add	*0.51*
		For >500 To 1,500, Add	*0.22*
05 31 00 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	2.59
		For Painted, Deduct	*-0.08*
		For Perforated Or Slotted, Add	*0.08*
		For Up To 100, Add	*1.16*
		For >100 To 500, Add	*0.56*
		For >500 To 1,500, Add	*0.25*
05 31 00 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.74
		For Painted, Deduct	*-0.08*
		For Perforated Or Slotted, Add	*0.08*
		For Up To 100, Add	*1.22*
		For >100 To 500, Add	*0.59*
		For >500 To 1,500, Add	*0.26*
05 31 00 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.97
		For Painted, Deduct	*-0.09*
		For Perforated Or Slotted, Add	*0.09*
		For Up To 100, Add	*1.28*
		For >100 To 500, Add	*0.62*
		For >500 To 1,500, Add	*0.27*
05 31 00 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.39
		For Painted, Deduct	*-0.11*
		For Perforated Or Slotted, Add	*0.11*
		For Up To 100, Add	*1.39*
		For >100 To 500, Add	*0.69*
		For >500 To 1,500, Add	*0.29*
05 31 00 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	3.75
		For Painted, Deduct	*-0.12*
		For Perforated Or Slotted, Add	*0.12*
		For Up To 100, Add	*1.56*
		For >100 To 500, Add	*0.77*
		For >500 To 1,500, Add	*0.33*

05 31 00 00-0014 Open Ribbed Galvanized Steel Deck *(05 31)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0015	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	2.42	
		For Painted, Deduct	*-0.07*	
		For Perforated Or Slotted, Add	*0.07*	
		For Site Installed Insulation Between Ribs, Add	*0.68*	
		For Up To 100, Add	*1.11*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.24*	
05 31 00 00-0016	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	2.79	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Site Installed Insulation Between Ribs, Add	*0.78*	
		For Up To 100, Add	*1.30*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.28*	
05 31 00 00-0017	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	3.46	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Site Installed Insulation Between Ribs, Add	*0.97*	
		For Up To 100, Add	*1.57*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.34*	
05 31 00 00-0018	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	2.69	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Site Installed Insulation Between Ribs, Add	*0.75*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.60*	
		For >500 To 1,500, Add	*0.27*	
05 31 00 00-0019	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.09	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Site Installed Insulation Between Ribs, Add	*0.87*	
		For Up To 100, Add	*1.43*	
		For >100 To 500, Add	*0.68*	
		For >500 To 1,500, Add	*0.31*	
05 31 00 00-0020	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	3.84	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*0.84*	
		For >500 To 1,500, Add	*0.38*	
05 31 00 00-0021	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.29	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Site Installed Insulation Between Ribs, Add	*0.91*	
		For Up To 100, Add	*1.42*	
		For >100 To 500, Add	*0.69*	
		For >500 To 1,500, Add	*0.30*	
05 31 00 00-0022	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.80	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Site Installed Insulation Between Ribs, Add	*1.05*	
		For Up To 100, Add	*1.60*	
		For >100 To 500, Add	*0.79*	
		For >500 To 1,500, Add	*0.34*	
05 31 00 00-0023	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.73	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*1.31*	
		For Up To 100, Add	*1.99*	
		For >100 To 500, Add	*0.98*	
		For >500 To 1,500, Add	*0.42*	
05 31 00 00-0024	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	5.92	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.63*	
		For Up To 100, Add	*2.44*	
		For >100 To 500, Add	*1.21*	
		For >500 To 1,500, Add	*0.51*	
05 31 00 00-0025	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	7.99	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*2.14*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.35*	
		For >500 To 1,500, Add	*0.46*	
05 31 00 00-0026	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	10.05	
		For Painted, Deduct	*-0.39*	
		For Perforated Or Slotted, Add	*0.39*	
		For Site Installed Insulation Between Ribs, Add	*2.68*	
		For Up To 100, Add	*3.02*	
		For >100 To 500, Add	*1.68*	
		For >500 To 1,500, Add	*0.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0027	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	8.85	
		For Painted, Deduct	*-0.36*	
		For Perforated Or Slotted, Add	*0.36*	
		For Site Installed Insulation Between Ribs, Add	*2.34*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.38*	
		For >500 To 1,500, Add	*0.41*	
05 31 00 00-0028	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	9.51	
		For Painted, Deduct	*-0.37*	
		For Perforated Or Slotted, Add	*0.37*	
		For Site Installed Insulation Between Ribs, Add	*2.53*	
		For Up To 100, Add	*2.80*	
		For >100 To 500, Add	*1.57*	
		For >500 To 1,500, Add	*0.51*	
05 31 00 00-0029	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	11.83	
		For Painted, Deduct	*-0.47*	
		For Perforated Or Slotted, Add	*0.47*	
		For Site Installed Insulation Between Ribs, Add	*3.14*	
		For Up To 100, Add	*3.42*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.62*	
05 31 00 00-0030	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	10.49	
		For Painted, Deduct	*-0.41*	
		For Perforated Or Slotted, Add	*0.41*	
		For Site Installed Insulation Between Ribs, Add	*2.79*	
		For Up To 100, Add	*3.07*	
		For >100 To 500, Add	*1.72*	
		For >500 To 1,500, Add	*0.56*	
05 31 00 00-0031	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	13.03	
		For Painted, Deduct	*-0.52*	
		For Perforated Or Slotted, Add	*0.52*	
		For Site Installed Insulation Between Ribs, Add	*3.46*	
		For Up To 100, Add	*3.76*	
		For >100 To 500, Add	*2.12*	
		For >500 To 1,500, Add	*0.68*	

05 31 00 00-0032 Cellular Galvanized Steel Deck *(05 31)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 00 00-0033	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	7.09	
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Insulated Cells, Add	*1.21*	
		For Site Installed Insulation Between Ribs, Add	*1.90*	
		For Up To 100, Add	*2.27*	
		For >100 To 500, Add	*1.23*	
		For >500 To 1,500, Add	*0.43*	
05 31 00 00-0034	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	7.96	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.28*	
		For Site Installed Insulation Between Ribs, Add	*2.16*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.48*	
		For >500 To 1,500, Add	*0.57*	
05 31 00 00-0035	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	8.51	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Site Installed Insulation Between Ribs, Add	*2.26*	
		For Up To 100, Add	*2.48*	
		For >100 To 500, Add	*1.39*	
		For >500 To 1,500, Add	*0.45*	
05 31 00 00-0036	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	9.49	
		For Painted, Deduct	*-0.35*	
		For Perforated Or Slotted, Add	*0.35*	
		For Insulated Cells, Add	*1.59*	
		For Site Installed Insulation Between Ribs, Add	*2.55*	
		For Up To 100, Add	*3.12*	
		For >100 To 500, Add	*1.67*	
		For >500 To 1,500, Add	*0.60*	
05 31 00 00-0037	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	9.83	
		For Painted, Deduct	*-0.38*	
		For Perforated Or Slotted, Add	*0.38*	
		For Insulated Cells, Add	*1.72*	
		For Site Installed Insulation Between Ribs, Add	*2.62*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*1.64*	
		For >500 To 1,500, Add	*0.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0038	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.67	
		For Painted, Deduct	*-0.46*	
		For Perforated Or Slotted, Add	*0.46*	
		For Insulated Cells, Add	*2.06*	
		For Site Installed Insulation Between Ribs, Add	*3.11*	
		For Up To 100, Add	*3.44*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.63*	
05 31 00 00-0039	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	13.03	
		For Painted, Deduct	*-0.52*	
		For Perforated Or Slotted, Add	*0.52*	
		For Insulated Cells, Add	*2.32*	
		For Site Installed Insulation Between Ribs, Add	*3.46*	
		For Up To 100, Add	*3.76*	
		For >100 To 500, Add	*2.12*	
		For >500 To 1,500, Add	*0.68*	
05 31 00 00-0040	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	14.23	
		For Painted, Deduct	*-0.56*	
		For Perforated Or Slotted, Add	*0.56*	
		For Insulated Cells, Add	*2.51*	
		For Site Installed Insulation Between Ribs, Add	*3.79*	
		For Up To 100, Add	*4.20*	
		For >100 To 500, Add	*2.35*	
		For >500 To 1,500, Add	*0.77*	
05 31 00 00-0041	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.43	
		For Painted, Deduct	*-0.61*	
		For Perforated Or Slotted, Add	*0.61*	
		For Insulated Cells, Add	*2.76*	
		For Site Installed Insulation Between Ribs, Add	*3.77*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*2.09*	
		For >500 To 1,500, Add	*0.54*	
05 31 00 00-0042	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	15.53	
		For Painted, Deduct	*-0.65*	
		For Perforated Or Slotted, Add	*0.65*	
		For Insulated Cells, Add	*2.92*	
		For Site Installed Insulation Between Ribs, Add	*4.07*	
		For Up To 100, Add	*3.87*	
		For >100 To 500, Add	*2.32*	
		For >500 To 1,500, Add	*0.64*	
05 31 00 00-0043	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	16.45	
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.08*	
		For Site Installed Insulation Between Ribs, Add	*4.32*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.48*	
		For >500 To 1,500, Add	*0.69*	
05 31 00 00-0044	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	17.56	
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Insulated Cells, Add	*3.28*	
		For Site Installed Insulation Between Ribs, Add	*4.61*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*2.65*	
		For >500 To 1,500, Add	*0.74*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	2.76	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.26*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	2.96	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.34	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.63*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.36*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	3.69	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.93*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	2.96	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	3.20	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.47*	
		For >100 To 500, Add	*0.70*	
		For >500 To 1,500, Add	*0.32*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.58	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.83*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	3.95	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*2.06*	
		For >100 To 500, Add	*0.95*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	3.11	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.30*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	3.34	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.56*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.34*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.78	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.89*	
		For >100 To 500, Add	*0.88*	
		For >500 To 1,500, Add	*0.42*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	4.26	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*2.24*	
		For >100 To 500, Add	*1.03*	
		For >500 To 1,500, Add	*0.50*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	5.05	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.71*	
		For Up To 100, Add	*2.21*	
		For >100 To 500, Add	*1.07*	
		For >500 To 1,500, Add	*0.47*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.41	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.75*	
		For Up To 100, Add	*2.42*	
		For >100 To 500, Add	*1.17*	
		For >500 To 1,500, Add	*0.52*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.48	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.75*	
		For Up To 100, Add	*2.49*	
		For >100 To 500, Add	*1.20*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	5.85	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.77*	
		For Up To 100, Add	*2.75*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	6.28	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Insulated Cells, Add	*0.83*	
		For Up To 100, Add	*2.98*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.65*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	6.36	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Insulated Cells, Add	*0.83*	
		For Up To 100, Add	*3.06*	
		For >100 To 500, Add	*1.44*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.72	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.85*	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*1.55*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	5.23	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.72*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.13*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.52	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.76*	
		For Up To 100, Add	*2.50*	
		For >100 To 500, Add	*1.20*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.60	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.76*	
		For Up To 100, Add	*2.58*	
		For >100 To 500, Add	*1.23*	
		For >500 To 1,500, Add	*0.56*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	6.04	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Insulated Cells, Add	*0.80*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.35*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	6.40	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.83*	
		For Up To 100, Add	*3.06*	
		For >100 To 500, Add	*1.45*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	6.52	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.83*	
		For Up To 100, Add	*3.18*	
		For >100 To 500, Add	*1.50*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.88	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.87*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.59*	
		For >500 To 1,500, Add	*0.75*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	5.25	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.73*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.13*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.56	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.76*	
		For Up To 100, Add	*2.54*	
		For >100 To 500, Add	*1.22*	
		For >500 To 1,500, Add	*0.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.68	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.76*	
		For Up To 100, Add	*2.66*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.58*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	6.10	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Insulated Cells, Add	*0.80*	
		For Up To 100, Add	*2.89*	
		For >100 To 500, Add	*1.37*	
		For >500 To 1,500, Add	*0.63*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	6.50	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.85*	
		For Up To 100, Add	*3.11*	
		For >100 To 500, Add	*1.47*	
		For >500 To 1,500, Add	*0.68*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	6.66	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.85*	
		For Up To 100, Add	*3.27*	
		For >100 To 500, Add	*1.53*	
		For >500 To 1,500, Add	*0.72*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.97	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Insulated Cells, Add	*0.87*	
		For Up To 100, Add	*3.48*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.77*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	3.70
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	3.07
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	2.58
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	2.24
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	4.07
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	3.34
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	2.80
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	2.43
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	4.73
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	3.81
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	3.22
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	2.93

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.39	0.77
		For Walls >10' High, Add	*0.68*	
		For Curved Wall, Add	*0.54*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
		For 12" On Center, Add	*0.59*	
		For 24" On Center, Deduct	*-0.59*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.76	0.77
		For Walls >10' High, Add	*0.75*	
		For Curved Wall, Add	*0.57*	
		For Up To 200, Add	*1.13*	
		For >200 To 500, Add	*0.57*	
		For 12" On Center, Add	*0.66*	
		For 24" On Center, Deduct	*-0.66*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.91	0.77
		For Walls >10' High, Add	*0.78*	
		For Curved Wall, Add	*0.59*	
		For Up To 200, Add	*1.18*	
		For >200 To 500, Add	*0.59*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.86	0.86
		For Walls >10' High, Add	*0.97*	
		For Curved Wall, Add	*0.62*	
		For Up To 200, Add	*1.39*	
		For >200 To 500, Add	*0.69*	
		For 12" On Center, Add	*0.87*	
		For 24" On Center, Deduct	*-0.87*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.38	0.94
		For Walls >10' High, Add	*1.08*	
		For Curved Wall, Add	*0.65*	
		For Up To 200, Add	*1.51*	
		For >200 To 500, Add	*0.75*	
		For 12" On Center, Add	*0.97*	
		For 24" On Center, Deduct	*-0.97*	
05 41 00 00-0007		16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.64	0.77
		For Walls >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.57*	
		For Up To 200, Add	*1.11*	
		For >200 To 500, Add	*0.56*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.15	0.78
		For Walls >10' High, Add	*0.83*	
		For Curved Wall, Add	*0.60*	
		For Up To 200, Add	*1.23*	
		For >200 To 500, Add	*0.62*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.37	0.78
		For Walls >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.62*	
		For Up To 200, Add	*1.29*	
		For >200 To 500, Add	*0.65*	
		For 12" On Center, Add	*0.77*	
		For 24" On Center, Deduct	*-0.77*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.40	0.94
		For Walls >10' High, Add	*1.08*	
		For Curved Wall, Add	*0.65*	
		For Up To 200, Add	*1.52*	
		For >200 To 500, Add	*0.76*	
		For 12" On Center, Add	*0.97*	
		For 24" On Center, Deduct	*-0.97*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.91	1.03
		For Walls >10' High, Add	*1.18*	
		For Curved Wall, Add	*0.68*	
		For Up To 200, Add	*1.64*	
		For >200 To 500, Add	*0.82*	
		For 12" On Center, Add	*1.07*	
		For 24" On Center, Deduct	*-1.07*	
05 41 00 00-0013		14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.93	1.07
		For Walls >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.72*	
		For Up To 200, Add	*1.47*	
		For >200 To 500, Add	*0.73*	
		For 12" On Center, Add	*0.87*	
		For 24" On Center, Deduct	*-0.87*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.06	1.10
		For Walls >10' High, Add	*1.01*	
		For Curved Wall, Add	*0.73*	
		For Up To 200, Add	*1.50*	
		For >200 To 500, Add	*0.75*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.21	1.16
		For Walls >10' High, Add	*1.24*	
		For Curved Wall, Add	*0.77*	
		For Up To 200, Add	*1.75*	
		For >200 To 500, Add	*0.88*	
		For 12" On Center, Add	*1.11*	
		For 24" On Center, Deduct	*-1.11*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.78	1.21
		For Walls >10' High, Add	*1.36*	
		For Curved Wall, Add	*0.80*	
		For Up To 200, Add	*1.89*	
		For >200 To 500, Add	*0.95*	
		For 12" On Center, Add	*1.22*	
		For 24" On Center, Deduct	*-1.22*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 33 Cold-Formed Metal Joist Framing *(05 42)*

05 42 33 00-0001 Steel Joists, 20 Gauge *(05 42 33)*

05 42 33 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	6.84	1.85
05 42 33 00-0003	LF	6" - 20 Gauge Steel Joists	7.58	2.33
05 42 33 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	8.21	2.55
05 42 33 00-0005	LF	8" - 20 Gauge Steel Joists	9.15	2.71

05 42 33 00-0006 Steel Joists, 18 Gauge *(05 42 33)*

05 42 33 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	7.63	2.06
05 42 33 00-0008	LF	6" - 18 Gauge Steel Joists	8.46	2.58
05 42 33 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	9.17	2.83
05 42 33 00-0010	LF	8" - 18 Gauge Steel Joists	9.48	3.01

05 42 33 00-0011 Steel Joists, 16 Gauge *(05 42 33)*

05 42 33 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	9.85	2.86
05 42 33 00-0013	LF	8" - 16 Gauge Steel Joists	10.39	3.01

05 42 33 00-0014 Steel Joists, 14 Gauge *(05 42 33)*

05 42 33 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	11.59	3.01
05 42 33 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	12.55	3.18

05 42 33 00-0017 Steel Joists, 12 Gauge *(05 42 33)*

05 42 33 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	13.69	3.32
05 42 33 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	14.93	3.50

05 42 33 00-0020 Steel Joists, 10 Gauge *(05 42 33)*

05 42 33 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	15.83	3.66
05 42 33 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	17.35	3.85

05 42 33 00-0023 Steel Joists, 8 Gauge *(05 42 33)*

05 42 33 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	18.04	4.02
05 42 33 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	19.81	4.23

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Unistrut Channel *(05 43)*

Note: Excludes fasteners and accessories.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.52	1.92
		For Galvanizing, Add	*0.62*	
		For Powder Coating, Add	*0.55*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.70	1.92
		For Galvanizing, Add	*0.65*	
		For Powder Coating, Add	*0.58*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.97	1.92
		For Galvanizing, Add	*0.70*	
		For Powder Coating, Add	*0.62*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.16	1.92
		For Galvanizing, Add	*0.56*	
		For Powder Coating, Add	*0.50*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	6.39	1.92
		For Galvanizing, Add	*0.43*	
		For Powder Coating, Add	*0.38*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	16.94	1.92
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	20.14	1.92
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	19.34	1.92
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	24.28	1.92

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	27.31	1.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0016		**Unistrut Closure Strips** *(05 43)*		
05 43 00 00-0017	LF	Raceway Closure Strip For Unistrut Channel	3.61	0.42
05 43 00 00-0018		**Lock Nuts With Spring For Unistrut Channel** *(05 43)* Note: Includes hex bolt.		
05 43 00 00-0019		**Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0018)* Note: Includes hex bolt.		
05 43 00 00-0020	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.34	
05 43 00 00-0021	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	5.72	
05 43 00 00-0022	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.00	
05 43 00 00-0023	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	7.53	
05 43 00 00-0024		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0018)* Note: Includes hex bolt.		
05 43 00 00-0025	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.28	
05 43 00 00-0026	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.86	
05 43 00 00-0027	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.89	
05 43 00 00-0028	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	24.63	
05 43 00 00-0029		**Lock Nuts Without Spring For Unistrut Channel** *(05 43)* Note: Includes hex bolt.		
05 43 00 00-0030		**Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0029)* Note: Includes hex bolt.		
05 43 00 00-0031	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.35	
05 43 00 00-0032	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	5.77	
05 43 00 00-0033	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.02	
05 43 00 00-0034	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	7.98	
05 43 00 00-0035		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0029)* Note: Includes hex bolt.		
05 43 00 00-0036	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.70	
05 43 00 00-0037	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.04	
05 43 00 00-0038	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.75	
05 43 00 00-0039	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	24.02	
05 43 00 00-0040		**Beam Clamp For Unistrut Channel** *(05 43)*		
05 43 00 00-0041	EA	Unistrut Beam Clamp, 1-5/8" Channel P2675	16.50	6.40
05 43 00 00-0042	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676	19.96	6.40
05 43 00 00-0043	EA	Add For Unistrut Swivel Nut, P2676	1.88	
05 43 00 00-0044		**Beam Clamp Clevis Hangers** *(05 43)*		
05 43 00 00-0045	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.70	6.40
05 43 00 00-0046	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.45	6.40
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut	1.88	
05 43 00 00-0048	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	103.57	8.53
05 43 00 00-0049		**Pipe And Rigid Conduit Clamps** *(05 43)*		
05 43 00 00-0050		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0049)* Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.38	1.73
05 43 00 00-0052	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.56	1.73
05 43 00 00-0053	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.42	2.10
05 43 00 00-0054	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.84	2.28
05 43 00 00-0055	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.22	2.57
05 43 00 00-0056	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.22	2.57
05 43 00 00-0057	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	15.43	4.30
05 43 00 00-0058	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	15.78	4.30
05 43 00 00-0059	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.76	4.76
05 43 00 00-0060	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.61	5.12
05 43 00 00-0061		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0049)* Note: Includes nylon hardware.		
05 43 00 00-0062	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.66	1.73
05 43 00 00-0063	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.85	1.73
05 43 00 00-0064	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.71	2.10
05 43 00 00-0065	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.14	2.28
05 43 00 00-0066	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.70	2.57
05 43 00 00-0067	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.70	2.57
05 43 00 00-0068	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	16.06	4.30
05 43 00 00-0069	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	16.45	4.30

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0070	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.44	4.76
05 43 00 00-0071	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	19.39	5.12

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

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

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	565.94	24.82
		For Closed Riser, Add	*64.51*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	643.74	28.96
		For Closed Riser, Add	*73.28*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	718.48	33.93
		For Closed Riser, Add	*81.56*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	65.06	4.14

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	283.07	33.10
		For Closed Riser, Add	*33.16*	
		For Galvanized Steel, Add	*54.22*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	303.33	38.07
		For Closed Riser, Add	*35.25*	
		For Galvanized Steel, Add	*56.80*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	337.22	44.68
		For Closed Riser, Add	*38.92*	
		For Galvanized Steel, Add	*61.96*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	53.73	4.14
		For Galvanized Steel, Add	*9.30*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed	70.11	9.92
		For Galvanized Steel, Add	*9.74*	
		For Aluminum, Add	*19.48*	
05 51 33 13-0003	VLF	24" Wide Vertical Steel Ladder Primed	79.99	9.92
		For Galvanized Steel, Add	*12.21*	
		For Aluminum, Add	*24.42*	
05 51 33 13-0004	VLF	20" Wide Vertical Steel Caged Ladder Primed	165.94	16.55
		For Galvanized Steel, Add	*28.30*	
		For Aluminum, Add	*56.60*	
05 51 33 13-0005	VLF	24" Wide Vertical Steel Caged Ladder Primed	185.69	16.55
		For Galvanized Steel, Add	*33.24*	
		For Aluminum, Add	*66.47*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	219.39	31.03
		For Galvanized Steel, Add	*39.33*	
		For Aluminum, Add	*78.66*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	239.72	33.10
		For Galvanized Steel, Add	*43.38*	
		For Aluminum, Add	*86.76*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	309.89	10.35
05 51 33 13-0010	EA	6' Security Ladder Guard	682.85	62.07
05 51 33 13-0011	EA	8' Security Ladder Guard	815.75	72.40
05 51 33 13-0012	EA	Safety Chain Attachment	122.98	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0013		Welded Steel Ladder Cages *(05 51 33 13)* Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,265.51	124.12
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,371.40	128.26
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,456.07	132.40
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,546.42	136.53
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,599.96	140.67
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,686.06	144.81
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,762.24	148.95
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,861.06	153.08
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,957.06	157.22
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,036.07	161.36
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,132.07	165.50
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,225.23	169.64
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,316.98	173.78
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,482.29	177.91
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,533.01	182.05
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,619.10	186.19
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,698.13	190.33
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,771.49	194.46
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,932.56	198.60
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,020.06	202.74
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,101.91	206.87
05 51 33 13-0036		Stainless Steel, Welded Steel Ladder Cages *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,938.47	124.12
05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,137.16	128.26
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,466.85	132.40
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,630.45	136.53
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,768.37	140.67
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,950.86	144.81
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,277.85	148.95
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,444.13	153.08
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,615.82	157.22
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,803.71	161.36
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,137.47	165.50
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,305.10	169.64
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,464.63	173.78
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,728.15	177.91
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,024.08	182.05
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,189.02	186.19
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,358.01	190.33
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,516.19	194.46
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,920.16	198.60
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,078.34	202.74
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,240.58	206.87
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		Industrial Ship Ladder, Incline Stairs *(05 51 33 16)* Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	212.55	41.37
		For Aluminum, Add	*64.90*	
05 51 33 23		**Alternating Tread Ladders** *(05 51 33)*		
05 51 33 23-0001		Vertical Ladders With Alternating Tread *(05 51 33 23)*		
05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,325.44	124.12
		For Stainless Steel, Add	*196.80*	
		For Primed Steel, Deduct	*-191.42*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,507.77	131.57
		For Stainless Steel, Add	*240.90*	
		For Primed Steel, Deduct	*-223.30*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,658.69	131.57
		For Stainless Steel, Add	*288.67*	
		For Primed Steel, Deduct	*-241.55*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,908.62	165.33
		For Stainless Steel, Add	*347.24*	
		For Primed Steel, Deduct	*-256.61*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,084.87	171.19
		For Stainless Steel, Add	*388.99*	
		For Primed Steel, Deduct	*-298.53*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,218.22	171.19
		For Stainless Steel, Add	*453.51*	
		For Primed Steel, Deduct	*-293.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	2,439.03	190.96
		For Stainless Steel, Add	*497.40*	
		For Primed Steel, Deduct	*-327.55*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	2,588.44	190.96
		For Stainless Steel, Add	*546.61*	
		For Primed Steel, Deduct	*-347.07*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	2,704.68	190.96
		For Stainless Steel, Add	*623.99*	
		For Primed Steel, Deduct	*-346.65*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe And Tube Railings *(05 52)*

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	37.17	8.27
		For Schedule 80 Handrail, Add	*2.92*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.54*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.16*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.04*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*8.66*	
		For Aluminum, Clear Anodized Finish, Add	*13.40*	
		For Aluminum, Dark Anodized Finish, Add	*15.47*	
		For Galvanizing, Add	*8.25*	
		For Wrought Iron, Add	*3.72*	
		For Solid Steel Rails, Add	*7.43*	
		For 304 Stainless Steel, Add	*65.98*	
		For 316 Stainless Steel, Add	*74.23*	
		For 2" Wheel Guard, Add	*1.96*	
		For 4" High Kick Plate, Add	*2.58*	
		For 6" High Kick Plate, Add	*4.12*	
		For Curved Rail, Add	*17.34*	
		For Mounting On Stairs, Add	*4.54*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*14.45*	
		For Nylon Coating, Add	*3.09*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.72	8.27
		For Schedule 80 Handrail, Add	*4.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.04*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.43*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*10.15*	
		For Aluminum, Clear Anodized Finish, Add	*15.71*	
		For Aluminum, Dark Anodized Finish, Add	*18.13*	
		For Galvanizing, Add	*9.67*	
		For Wrought Iron, Add	*4.07*	
		For Solid Steel Rails, Add	*8.14*	
		For 304 Stainless Steel, Add	*77.34*	
		For 316 Stainless Steel, Add	*87.01*	
		For 2" Wheel Guard, Add	*2.30*	
		For 4" High Kick Plate, Add	*3.02*	
		For 6" High Kick Plate, Add	*4.83*	
		For Curved Rail, Add	*19.47*	
		For Mounting On Stairs, Add	*4.90*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*16.22*	
		For Nylon Coating, Add	*3.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.27	8.27
		For Schedule 80 Handrail, Add	*4.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.10*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.15*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.81*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*11.64*	
		For Aluminum, Clear Anodized Finish, Add	*18.02*	
		For Aluminum, Dark Anodized Finish, Add	*20.79*	
		For Galvanizing, Add	*11.09*	
		For Wrought Iron, Add	*4.43*	
		For Solid Steel Rails, Add	*8.85*	
		For 304 Stainless Steel, Add	*88.70*	
		For 316 Stainless Steel, Add	*99.79*	
		For 2" Wheel Guard, Add	*2.63*	
		For 4" High Kick Plate, Add	*3.47*	
		For 6" High Kick Plate, Add	*5.54*	
		For Curved Rail, Add	*21.60*	
		For Mounting On Stairs, Add	*5.25*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.00*	
		For Nylon Coating, Add	*4.16*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	50.43	8.27
		For Schedule 80 Handrail, Add	*4.88*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.45*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.47*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.18*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.21*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*14.23*	
		For Aluminum, Clear Anodized Finish, Add	*22.02*	
		For Aluminum, Dark Anodized Finish, Add	*25.41*	
		For Galvanizing, Add	*13.55*	
		For Wrought Iron, Add	*5.04*	
		For Solid Steel Rails, Add	*10.09*	
		For 304 Stainless Steel, Add	*108.42*	
		For 316 Stainless Steel, Add	*121.97*	
		For 2" Wheel Guard, Add	*3.22*	
		For 4" High Kick Plate, Add	*4.24*	
		For 6" High Kick Plate, Add	*6.78*	
		For Curved Rail, Add	*25.29*	
		For Mounting On Stairs, Add	*5.87*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.08*	
		For Nylon Coating, Add	*5.08*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	57.81	8.27
		For Schedule 80 Handrail, Add	*5.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.08*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.32*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-13.62*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-16.09*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*17.33*	
		For Aluminum, Clear Anodized Finish, Add	*26.82*	
		For Aluminum, Dark Anodized Finish, Add	*30.95*	
		For Galvanizing, Add	*16.50*	
		For Wrought Iron, Add	*5.78*	
		For Solid Steel Rails, Add	*11.56*	
		For 304 Stainless Steel, Add	*132.03*	
		For 316 Stainless Steel, Add	*148.54*	
		For 2" Wheel Guard, Add	*3.92*	
		For 4" High Kick Plate, Add	*5.16*	
		For 6" High Kick Plate, Add	*8.25*	
		For Curved Rail, Add	*29.72*	
		For Mounting On Stairs, Add	*6.61*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*24.77*	
		For Nylon Coating, Add	*6.19*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and two rails.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	42.32	8.27
		For Schedule 80 Handrail, Add	*2.92*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.67*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.44*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.50*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*10.82*	
		For Aluminum, Clear Anodized Finish, Add	*16.75*	
		For Aluminum, Dark Anodized Finish, Add	*19.33*	
		For Galvanizing, Add	*10.31*	
		For Wrought Iron, Add	*4.23*	
		For Solid Steel Rails, Add	*8.46*	
		For 304 Stainless Steel, Add	*82.46*	
		For 316 Stainless Steel, Add	*92.77*	
		For 2" Wheel Guard, Add	*2.45*	
		For 4" High Kick Plate, Add	*3.22*	
		For 6" High Kick Plate, Add	*5.15*	
		For Curved Rail, Add	*20.43*	
		For Mounting On Stairs, Add	*5.06*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*17.02*	
		For Nylon Coating, Add	*3.87*	
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	46.76	8.27
		For Schedule 80 Handrail, Add	*4.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.65*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.55*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.97*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.78*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*12.69*	
		For Aluminum, Clear Anodized Finish, Add	*19.64*	
		For Aluminum, Dark Anodized Finish, Add	*22.66*	
		For Galvanizing, Add	*12.08*	
		For Wrought Iron, Add	*4.68*	
		For Solid Steel Rails, Add	*9.35*	
		For 304 Stainless Steel, Add	*96.67*	
		For 316 Stainless Steel, Add	*108.76*	
		For 2" Wheel Guard, Add	*2.87*	
		For 4" High Kick Plate, Add	*3.78*	
		For 6" High Kick Plate, Add	*6.04*	
		For Curved Rail, Add	*23.09*	
		For Mounting On Stairs, Add	*5.50*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*19.24*	
		For Nylon Coating, Add	*4.53*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	51.20	8.27
		For Schedule 80 Handrail, Add	*4.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.62*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.66*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.43*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.51*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*14.55*	
		For Aluminum, Clear Anodized Finish, Add	*22.52*	
		For Aluminum, Dark Anodized Finish, Add	*25.99*	
		For Galvanizing, Add	*13.86*	
		For Wrought Iron, Add	*5.12*	
		For Solid Steel Rails, Add	*10.24*	
		For 304 Stainless Steel, Add	*110.88*	
		For 316 Stainless Steel, Add	*124.74*	
		For 2" Wheel Guard, Add	*3.29*	
		For 4" High Kick Plate, Add	*4.33*	
		For 6" High Kick Plate, Add	*6.93*	
		For Curved Rail, Add	*25.76*	
		For Mounting On Stairs, Add	*5.95*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.46*	
		For Nylon Coating, Add	*5.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	58.90	8.27
		For Schedule 80 Handrail, Add	*4.88*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.59*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-13.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-16.52*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*17.79*	
		For Aluminum, Clear Anodized Finish, Add	*27.53*	
		For Aluminum, Dark Anodized Finish, Add	*31.76*	
		For Galvanizing, Add	*16.94*	
		For Wrought Iron, Add	*5.89*	
		For Solid Steel Rails, Add	*11.78*	
		For 304 Stainless Steel, Add	*135.52*	
		For 316 Stainless Steel, Add	*152.46*	
		For 2" Wheel Guard, Add	*4.02*	
		For 4" High Kick Plate, Add	*5.29*	
		For 6" High Kick Plate, Add	*8.47*	
		For Curved Rail, Add	*30.38*	
		For Mounting On Stairs, Add	*6.72*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*25.31*	
		For Nylon Coating, Add	*6.35*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	68.13	8.27
		For Schedule 80 Handrail, Add	*5.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.35*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.90*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.02*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.12*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.80*	
		For Aluminum, Satin Finish, Add	*21.66*	
		For Aluminum, Clear Anodized Finish, Add	*33.53*	
		For Aluminum, Dark Anodized Finish, Add	*38.69*	
		For Galvanizing, Add	*20.63*	
		For Wrought Iron, Add	*6.81*	
		For Solid Steel Rails, Add	*13.63*	
		For 304 Stainless Steel, Add	*165.06*	
		For 316 Stainless Steel, Add	*185.69*	
		For 2" Wheel Guard, Add	*4.90*	
		For 4" High Kick Plate, Add	*6.45*	
		For 6" High Kick Plate, Add	*10.32*	
		For Curved Rail, Add	*35.91*	
		For Mounting On Stairs, Add	*7.64*	
		For Mounting On Slopes, Add	*1.66*	
		For Post Base Flange With Screws, Add Per Post	*19.16*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*29.93*	
		For Nylon Coating, Add	*7.74*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	56.70	9.92
		For Schedule 80 Handrail, Add	*4.32*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.10*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.21*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.16*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-14.37*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.46*	
		For Aluminum, Satin Finish, Add	*15.47*	
		For Aluminum, Clear Anodized Finish, Add	*23.95*	
		For Aluminum, Dark Anodized Finish, Add	*27.63*	
		For Galvanizing, Add	*14.74*	
		For Wrought Iron, Add	*5.67*	
		For Solid Steel Rails, Add	*11.34*	
		For 304 Stainless Steel, Add	*117.89*	
		For 316 Stainless Steel, Add	*132.62*	
		For 2" Wheel Guard, Add	*3.50*	
		For 4" High Kick Plate, Add	*4.61*	
		For 6" High Kick Plate, Add	*7.37*	
		For Curved Rail, Add	*28.06*	
		For Mounting On Stairs, Add	*6.66*	
		For Mounting On Slopes, Add	*1.99*	
		For Post Base Flange With Screws, Add Per Post	*19.49*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.48*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*23.39*	
		For Nylon Coating, Add	*5.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	63.04	9.92
		For Schedule 80 Handrail, Add	*6.18*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.50*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.80*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.25*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-16.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.46*	
		For Aluminum, Satin Finish, Add	*18.14*	
		For Aluminum, Clear Anodized Finish, Add	*28.07*	
		For Aluminum, Dark Anodized Finish, Add	*32.39*	
		For Galvanizing, Add	*17.27*	
		For Wrought Iron, Add	*6.30*	
		For Solid Steel Rails, Add	*12.61*	
		For 304 Stainless Steel, Add	*138.18*	
		For 316 Stainless Steel, Add	*155.45*	
		For 2" Wheel Guard, Add	*4.10*	
		For 4" High Kick Plate, Add	*5.40*	
		For 6" High Kick Plate, Add	*8.64*	
		For Curved Rail, Add	*31.87*	
		For Mounting On Stairs, Add	*7.30*	
		For Mounting On Slopes, Add	*1.99*	
		For Post Base Flange With Screws, Add Per Post	*19.49*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.48*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.56*	
		For Nylon Coating, Add	*6.48*	
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	69.38	9.92
		For Schedule 80 Handrail, Add	*6.18*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.38*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-16.34*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-19.31*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.46*	
		For Aluminum, Satin Finish, Add	*20.80*	
		For Aluminum, Clear Anodized Finish, Add	*32.19*	
		For Aluminum, Dark Anodized Finish, Add	*37.14*	
		For Galvanizing, Add	*19.81*	
		For Wrought Iron, Add	*6.94*	
		For Solid Steel Rails, Add	*13.88*	
		For 304 Stainless Steel, Add	*158.46*	
		For 316 Stainless Steel, Add	*178.27*	
		For 2" Wheel Guard, Add	*4.70*	
		For 4" High Kick Plate, Add	*6.19*	
		For 6" High Kick Plate, Add	*9.90*	
		For Curved Rail, Add	*35.67*	
		For Mounting On Stairs, Add	*7.93*	
		For Mounting On Slopes, Add	*1.99*	
		For Post Base Flange With Screws, Add Per Post	*19.49*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.48*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*29.73*	
		For Nylon Coating, Add	*7.43*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	80.41	9.92
		For Schedule 80 Handrail, Add	*6.93*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.14*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-23.61*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.46*	
		For Aluminum, Satin Finish, Add	*25.43*	
		For Aluminum, Clear Anodized Finish, Add	*39.36*	
		For Aluminum, Dark Anodized Finish, Add	*45.41*	
		For Galvanizing, Add	*24.22*	
		For Wrought Iron, Add	*8.04*	
		For Solid Steel Rails, Add	*16.08*	
		For 304 Stainless Steel, Add	*193.76*	
		For 316 Stainless Steel, Add	*217.98*	
		For 2" Wheel Guard, Add	*5.75*	
		For 4" High Kick Plate, Add	*7.57*	
		For 6" High Kick Plate, Add	*12.11*	
		For Curved Rail, Add	*42.29*	
		For Mounting On Stairs, Add	*9.03*	
		For Mounting On Slopes, Add	*1.99*	
		For Post Base Flange With Screws, Add Per Post	*19.49*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.48*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*35.24*	
		For Nylon Coating, Add	*9.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	93.53	9.92
		For Schedule 80 Handrail, Add	*7.69*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.21*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.31*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.73*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.46*	
		For Aluminum, Satin Finish, Add	*30.94*	
		For Aluminum, Clear Anodized Finish, Add	*47.89*	
		For Aluminum, Dark Anodized Finish, Add	*55.25*	
		For Galvanizing, Add	*29.47*	
		For Wrought Iron, Add	*9.35*	
		For Solid Steel Rails, Add	*18.71*	
		For 304 Stainless Steel, Add	*235.74*	
		For 316 Stainless Steel, Add	*265.21*	
		For 2" Wheel Guard, Add	*7.00*	
		For 4" High Kick Plate, Add	*9.21*	
		For 6" High Kick Plate, Add	*14.73*	
		For Curved Rail, Add	*50.16*	
		For Mounting On Stairs, Add	*10.35*	
		For Mounting On Slopes, Add	*1.99*	
		For Post Base Flange With Screws, Add Per Post	*19.49*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.48*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*41.80*	
		For Nylon Coating, Add	*11.05*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	68.38	11.59
		For Schedule 80 Handrail, Add	*5.93*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.95*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.30*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.92*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.63*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.12*	
		For Aluminum, Satin Finish, Add	*18.99*	
		For Aluminum, Clear Anodized Finish, Add	*29.39*	
		For Aluminum, Dark Anodized Finish, Add	*33.91*	
		For Galvanizing, Add	*18.08*	
		For Wrought Iron, Add	*6.84*	
		For Solid Steel Rails, Add	*13.68*	
		For 304 Stainless Steel, Add	*144.67*	
		For 316 Stainless Steel, Add	*162.76*	
		For 2" Wheel Guard, Add	*4.29*	
		For 4" High Kick Plate, Add	*5.65*	
		For 6" High Kick Plate, Add	*9.04*	
		For Curved Rail, Add	*34.08*	
		For Mounting On Stairs, Add	*8.00*	
		For Mounting On Slopes, Add	*2.32*	
		For Post Base Flange With Screws, Add Per Post	*19.82*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*28.40*	
		For Nylon Coating, Add	*6.78*	
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	74.01	11.59
		For Schedule 80 Handrail, Add	*8.25*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.18*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.71*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-16.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-19.83*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.12*	
		For Aluminum, Satin Finish, Add	*21.35*	
		For Aluminum, Clear Anodized Finish, Add	*33.05*	
		For Aluminum, Dark Anodized Finish, Add	*38.13*	
		For Galvanizing, Add	*20.34*	
		For Wrought Iron, Add	*7.40*	
		For Solid Steel Rails, Add	*14.80*	
		For 304 Stainless Steel, Add	*162.69*	
		For 316 Stainless Steel, Add	*183.02*	
		For 2" Wheel Guard, Add	*4.83*	
		For 4" High Kick Plate, Add	*6.36*	
		For 6" High Kick Plate, Add	*10.17*	
		For Curved Rail, Add	*37.46*	
		For Mounting On Stairs, Add	*8.56*	
		For Mounting On Slopes, Add	*2.32*	
		For Post Base Flange With Screws, Add Per Post	*19.82*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*31.21*	
		For Nylon Coating, Add	*7.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	79.65	11.59
		For Schedule 80 Handrail, Add	*8.25*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.43*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.12*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-18.64*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.03*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.12*	
		For Aluminum, Satin Finish, Add	*23.72*	
		For Aluminum, Clear Anodized Finish, Add	*36.71*	
		For Aluminum, Dark Anodized Finish, Add	*42.36*	
		For Galvanizing, Add	*22.59*	
		For Wrought Iron, Add	*7.97*	
		For Solid Steel Rails, Add	*15.93*	
		For 304 Stainless Steel, Add	*180.74*	
		For 316 Stainless Steel, Add	*203.33*	
		For 2" Wheel Guard, Add	*5.37*	
		For 4" High Kick Plate, Add	*7.06*	
		For 6" High Kick Plate, Add	*11.30*	
		For Curved Rail, Add	*40.84*	
		For Mounting On Stairs, Add	*9.12*	
		For Mounting On Slopes, Add	*2.32*	
		For Post Base Flange With Screws, Add Per Post	*19.82*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*34.03*	
		For Nylon Coating, Add	*8.47*	
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	92.19	11.59
		For Schedule 80 Handrail, Add	*9.19*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.18*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-22.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-26.92*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.12*	
		For Aluminum, Satin Finish, Add	*28.99*	
		For Aluminum, Clear Anodized Finish, Add	*44.86*	
		For Aluminum, Dark Anodized Finish, Add	*51.77*	
		For Galvanizing, Add	*27.61*	
		For Wrought Iron, Add	*9.22*	
		For Solid Steel Rails, Add	*18.44*	
		For 304 Stainless Steel, Add	*220.86*	
		For 316 Stainless Steel, Add	*248.47*	
		For 2" Wheel Guard, Add	*6.56*	
		For 4" High Kick Plate, Add	*8.63*	
		For 6" High Kick Plate, Add	*13.80*	
		For Curved Rail, Add	*48.36*	
		For Mounting On Stairs, Add	*10.38*	
		For Mounting On Slopes, Add	*2.32*	
		For Post Base Flange With Screws, Add Per Post	*19.82*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*40.30*	
		For Nylon Coating, Add	*10.35*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	106.89	11.59
		For Schedule 80 Handrail, Add	*10.14*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.42*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.63*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-32.65*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.12*	
		For Aluminum, Satin Finish, Add	*35.16*	
		For Aluminum, Clear Anodized Finish, Add	*54.42*	
		For Aluminum, Dark Anodized Finish, Add	*62.79*	
		For Galvanizing, Add	*33.49*	
		For Wrought Iron, Add	*10.69*	
		For Solid Steel Rails, Add	*21.38*	
		For 304 Stainless Steel, Add	*267.90*	
		For 316 Stainless Steel, Add	*301.39*	
		For 2" Wheel Guard, Add	*7.95*	
		For 4" High Kick Plate, Add	*10.47*	
		For 6" High Kick Plate, Add	*16.74*	
		For Curved Rail, Add	*57.18*	
		For Mounting On Stairs, Add	*11.85*	
		For Mounting On Slopes, Add	*2.32*	
		For Post Base Flange With Screws, Add Per Post	*19.82*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*47.65*	
		For Nylon Coating, Add	*12.56*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.20
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.71
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.16
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0032		**Perforated Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	8.05	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	8.32	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	8.90	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	17.87	
05 52 13 00-0037		**Expanded Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	3.63	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	7.42	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	9.74	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	14.52	
05 52 13 00-0042		**Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	32.14	4.96
		For Schedule 80 Handrail, Add	*1.73*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.34*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.51*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.69*	
		For Stainless Steel, Add	*39.46*	
		For Aluminum, Satin Finish, Add	*8.29*	
		For Curved Rail, Add	*9.64*	
		For Aluminum, Clear Anodized Finish, Add	*12.82*	
		For Aluminum, Dark Anodized Finish, Add	*14.80*	
		For Galvanized Finish, Add	*5.92*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	32.77	4.96
		For Schedule 80 Handrail, Add	*1.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.48*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.09*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.72*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.94*	
		For Stainless Steel, Add	*40.72*	
		For Aluminum, Satin Finish, Add	*8.55*	
		For Curved Rail, Add	*9.83*	
		For Aluminum, Clear Anodized Finish, Add	*13.23*	
		For Aluminum, Dark Anodized Finish, Add	*15.27*	
		For Galvanized Finish, Add	*6.11*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	33.41	4.96
		For Schedule 80 Handrail, Add	*5.06*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.62*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.25*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.93*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.19*	
		For Stainless Steel, Add	*42.00*	
		For Aluminum, Satin Finish, Add	*8.82*	
		For Curved Rail, Add	*10.02*	
		For Aluminum, Clear Anodized Finish, Add	*13.65*	
		For Aluminum, Dark Anodized Finish, Add	*15.75*	
		For Galvanized Finish, Add	*6.30*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.73	4.96
		For Schedule 80 Handrail, Add	*2.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.23*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.08*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.35*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.04*	
		For Stainless Steel, Add	*56.64*	
		For Aluminum, Satin Finish, Add	*11.89*	
		For Curved Rail, Add	*12.22*	
		For Aluminum, Clear Anodized Finish, Add	*18.41*	
		For Aluminum, Dark Anodized Finish, Add	*21.24*	
		For Galvanized Finish, Add	*8.50*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.77	4.96
		For Schedule 80 Handrail, Add	*2.57*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.56*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.59*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.34*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.40*	
		For Stainless Steel, Add	*68.72*	
		For Aluminum, Satin Finish, Add	*14.43*	
		For Curved Rail, Add	*14.03*	
		For Aluminum, Clear Anodized Finish, Add	*22.33*	
		For Aluminum, Dark Anodized Finish, Add	*25.77*	
		For Galvanized Finish, Add	*10.31*	
05 52 13 00-0048		**Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.61	5.21
		For Schedule 80 Handrail, Add	*1.73*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.98*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.80*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.61*	
		For Stainless Steel, Add	*54.40*	
		For Aluminum, Satin Finish, Add	*11.42*	
		For Curved Rail, Add	*11.88*	
		For Aluminum, Clear Anodized Finish, Add	*17.68*	
		For Aluminum, Dark Anodized Finish, Add	*20.40*	
		For Galvanized Finish, Add	*8.16*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.51	5.21
		For Schedule 80 Handrail, Add	*1.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.18*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.03*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.27*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.96*	
		For Stainless Steel, Add	*56.20*	
		For Aluminum, Satin Finish, Add	*11.80*	
		For Curved Rail, Add	*12.15*	
		For Aluminum, Clear Anodized Finish, Add	*18.27*	
		For Aluminum, Dark Anodized Finish, Add	*21.08*	
		For Galvanized Finish, Add	*8.43*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.17	5.21
		For Schedule 80 Handrail, Add	*5.06*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.33*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.19*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.49*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.22*	
		For Stainless Steel, Add	*57.52*	
		For Aluminum, Satin Finish, Add	*12.08*	
		For Curved Rail, Add	*12.35*	
		For Aluminum, Clear Anodized Finish, Add	*18.69*	
		For Aluminum, Dark Anodized Finish, Add	*21.57*	
		For Galvanized Finish, Add	*8.63*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	51.39	5.21
		For Schedule 80 Handrail, Add	*2.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.58*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.75*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.86*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.20*	
		For Stainless Steel, Add	*77.96*	
		For Aluminum, Satin Finish, Add	*16.37*	
		For Curved Rail, Add	*15.42*	
		For Aluminum, Clear Anodized Finish, Add	*25.34*	
		For Aluminum, Dark Anodized Finish, Add	*29.24*	
		For Galvanized Finish, Add	*11.69*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	58.07	5.21
		For Schedule 80 Handrail, Add	*2.57*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.07*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.81*	
		For Stainless Steel, Add	*91.32*	
		For Aluminum, Satin Finish, Add	*19.18*	
		For Curved Rail, Add	*17.42*	
		For Aluminum, Clear Anodized Finish, Add	*29.68*	
		For Aluminum, Dark Anodized Finish, Add	*34.25*	
		For Galvanized Finish, Add	*13.70*	

05 52 13 00-0054 Remove And Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	18.62
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	24.34
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	42.87
		For Stainless Steel, Add	*36.10*

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	7.01	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*0.88*	
		For 304 Stainless Steel, Add	*16.66*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*1.52*	
		For Crossbars At 2" O.C., Add	*0.56*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.35*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	9.16	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.25*	
		For 304 Stainless Steel, Add	*23.56*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.14*	
		For Crossbars At 2" O.C., Add	*0.79*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.40*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	8.39	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.12*	
		For 304 Stainless Steel, Add	*21.09*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*1.92*	
		For Crossbars At 2" O.C., Add	*0.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.38*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	11.31	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.61*	
		For 304 Stainless Steel, Add	*30.46*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.77*	
		For Crossbars At 2" O.C., Add	*1.02*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.46*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	14.23	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.11*	
		For 304 Stainless Steel, Add	*39.84*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.62*	
		For Crossbars At 2" O.C., Add	*1.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.53*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	9.79	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.35*	
		For 304 Stainless Steel, Add	*25.58*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.33*	
		For Crossbars At 2" O.C., Add	*0.86*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.42*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	13.34	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.96*	
		For 304 Stainless Steel, Add	*36.98*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.36*	
		For Crossbars At 2" O.C., Add	*1.24*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.51*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	11.19	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.59*	
		For 304 Stainless Steel, Add	*30.08*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.74*	
		For Crossbars At 2" O.C., Add	*1.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.45*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	15.88	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.32*	
		For 304 Stainless Steel, Add	*43.82*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.99*	
		For Crossbars At 2" O.C., Add	*1.47*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	20.32	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.08*	
		For 304 Stainless Steel, Add	*58.07*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.28*	
		For Crossbars At 2" O.C., Add	*1.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.95*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	18.05	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.69*	
		For 304 Stainless Steel, Add	*50.78*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.62*	
		For Crossbars At 2" O.C., Add	*1.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.89*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	20.08	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*57.30*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.21*	
		For Crossbars At 2" O.C., Add	*1.93*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.94*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	22.23	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.40*	
		For 304 Stainless Steel, Add	*64.20*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.84*	
		For Crossbars At 2" O.C., Add	*2.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.99*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	24.25	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.74*	
		For 304 Stainless Steel, Add	*70.68*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.43*	
		For Crossbars At 2" O.C., Add	*2.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.04*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	12.65	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.78*	
		For 304 Stainless Steel, Add	*20.26*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.16*	
		For Crossbars At 2" O.C., Add	*1.17*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.49*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	15.41	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.23*	
		For 304 Stainless Steel, Add	*25.43*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.97*	
		For Crossbars At 2" O.C., Add	*1.47*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.56*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	13.83	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.97*	
		For 304 Stainless Steel, Add	*22.47*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.51*	
		For Crossbars At 2" O.C., Add	*1.30*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	18.58	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.75*	
		For 304 Stainless Steel, Add	*31.36*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*24.30*	
		For Bearing Bars At 15/16" O.C., Add	*4.89*	
		For Crossbars At 2" O.C., Add	*1.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.64*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	15.41	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.23*	
		For 304 Stainless Steel, Add	*25.43*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.97*	
		For Crossbars At 2" O.C., Add	*1.47*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.56*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	20.77	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*35.46*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.53*	
		For Crossbars At 2" O.C., Add	*2.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.69*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	17.07	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.50*	
		For 304 Stainless Steel, Add	*28.53*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.45*	
		For Crossbars At 2" O.C., Add	*1.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.60*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	23.49	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.49*	
		For 304 Stainless Steel, Add	*39.78*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*30.83*	
		For Bearing Bars At 15/16" O.C., Add	*6.21*	
		For Crossbars At 2" O.C., Add	*2.30*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.03*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	25.80	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*44.10*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.88*	
		For Crossbars At 2" O.C., Add	*2.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.08*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	27.69	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.18*	
		For 304 Stainless Steel, Add	*47.64*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.43*	
		For Crossbars At 2" O.C., Add	*2.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.13*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	29.51	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.47*	
		For 304 Stainless Steel, Add	*51.04*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.97*	
		For Crossbars At 2" O.C., Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	31.07	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.73*	
		For 304 Stainless Steel, Add	*53.96*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*8.42*	
		For Crossbars At 2" O.C., Add	*3.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.22*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	11.61	0.91
		For Bearing Bars At 15/16" O.C., Add	*2.86*	
		For Crossbars At 2" O.C., Add	*1.06*	
		For Set In Place Without Bolting, Deduct	*-1.46*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	15.63	0.91
		For Bearing Bars At 15/16" O.C., Add	*4.03*	
		For Crossbars At 2" O.C., Add	*1.49*	
		For Set In Place Without Bolting, Deduct	*-1.56*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	14.76	0.91
		For Bearing Bars At 15/16" O.C., Add	*3.78*	
		For Crossbars At 2" O.C., Add	*1.40*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.54*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	19.95	0.91
		For Bearing Bars At 7/16" O.C., Add	*26.29*	
		For Bearing Bars At 15/16" O.C., Add	*5.29*	
		For Crossbars At 2" O.C., Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.67*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	17.04	0.91
		For Bearing Bars At 15/16" O.C., Add	*4.44*	
		For Crossbars At 2" O.C., Add	*1.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.60*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	22.70	0.91
		For Bearing Bars At 15/16" O.C., Add	*6.10*	
		For Crossbars At 2" O.C., Add	*2.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.74*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	19.19	0.91
		For Bearing Bars At 15/16" O.C., Add	*5.07*	
		For Crossbars At 2" O.C., Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.65*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	25.54	0.91
		For Bearing Bars At 7/16" O.C., Add	*34.39*	
		For Bearing Bars At 15/16" O.C., Add	*6.93*	
		For Crossbars At 2" O.C., Add	*2.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.81*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	28.25	0.91
		For Bearing Bars At 15/16" O.C., Add	*7.72*	
		For Crossbars At 2" O.C., Add	*2.85*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	31.47	0.91
		For Bearing Bars At 15/16" O.C., Add	*8.66*	
		For Crossbars At 2" O.C., Add	*3.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.96*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	34.00	0.91
		For Bearing Bars At 15/16" O.C., Add	*9.40*	
		For Crossbars At 2" O.C., Add	*3.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.02*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	37.01	0.91
		For Bearing Bars At 15/16" O.C., Add	*10.28*	
		For Crossbars At 2" O.C., Add	*3.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.10*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	20.26	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.70*	
		For 304 Stainless Steel, Add	*30.57*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*11.80*	
		For Crossbars At 2" O.C., Add	*1.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	22.54	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.91*	
		For 304 Stainless Steel, Add	*34.35*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*13.26*	
		For Crossbars At 2" O.C., Add	*1.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.74*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	24.73	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.07*	
		For 304 Stainless Steel, Add	*37.31*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*14.40*	
		For Crossbars At 2" O.C., Add	*1.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.06*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	28.22	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.39*	
		For 304 Stainless Steel, Add	*43.09*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*16.63*	
		For Crossbars At 2" O.C., Add	*2.08*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.14*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	31.72	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.71*	
		For 304 Stainless Steel, Add	*48.89*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*18.87*	
		For Crossbars At 2" O.C., Add	*2.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.23*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	35.20	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*54.66*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*21.10*	
		For Crossbars At 2" O.C., Add	*2.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.32*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	38.71	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.36*	
		For 304 Stainless Steel, Add	*60.48*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*23.35*	
		For Crossbars At 2" O.C., Add	*2.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.41*	
05 53 13 00-0053		**Aluminum Grating, Type 6063, Swage Locked** *(05 53 13 00-0044)*		
		Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	13.65	0.91
		For Bearing Bars At 15/16" O.C., Add	*7.57*	
		For Crossbars At 2" O.C., Add	*0.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.52*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	17.61	0.91
		For Bearing Bars At 15/16" O.C., Add	*10.11*	
		For Crossbars At 2" O.C., Add	*1.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.61*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	15.43	0.91
		For Bearing Bars At 15/16" O.C., Add	*8.71*	
		For Crossbars At 2" O.C., Add	*1.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.56*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	20.28	0.91
		For Bearing Bars At 15/16" O.C., Add	*11.81*	
		For Crossbars At 2" O.C., Add	*1.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.68*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	17.55	0.91
		For Bearing Bars At 15/16" O.C., Add	*10.07*	
		For Crossbars At 2" O.C., Add	*1.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	23.13	0.91
		For Bearing Bars At 15/16" O.C., Add	*13.64*	
		For Crossbars At 2" O.C., Add	*1.70*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.75*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	26.42	0.91
		For Bearing Bars At 15/16" O.C., Add	*15.74*	
		For Crossbars At 2" O.C., Add	*1.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.83*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	29.69	0.91
		For Bearing Bars At 15/16" O.C., Add	*17.84*	
		For Crossbars At 2" O.C., Add	*2.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.92*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	32.98	0.91
		For Bearing Bars At 15/16" O.C., Add	*19.94*	
		For Crossbars At 2" O.C., Add	*2.49*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.00*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	36.25	0.91
		For Bearing Bars At 15/16" O.C., Add	*22.04*	
		For Crossbars At 2" O.C., Add	*2.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.08*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	37.90	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.73*	
		For 304 Stainless Steel, Add	*30.99*	
		For 5/8" Clear Opening, Add	*12.45*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.12*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	44.50	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.05*	
		For 304 Stainless Steel, Add	*36.66*	
		For 5/8" Clear Opening, Add	*14.72*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	40.94	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.88*	
		For 304 Stainless Steel, Add	*33.60*	
		For 5/8" Clear Opening, Add	*13.50*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.20*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	47.02	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.17*	
		For 304 Stainless Steel, Add	*38.83*	
		For 5/8" Clear Opening, Add	*15.59*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.35*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	43.46	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.00*	
		For 304 Stainless Steel, Add	*35.77*	
		For 5/8" Clear Opening, Add	*14.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	51.70	0.91
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.39*	
		For 304 Stainless Steel, Add	*42.85*	
		For 5/8" Clear Opening, Add	*17.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.47*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	46.29	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.11*	
		For 304 Stainless Steel, Add	*37.85*	
		For 5/8" Clear Opening, Add	*15.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	55.11	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.54*	
		For 304 Stainless Steel, Add	*45.42*	
		For 5/8" Clear Opening, Add	*18.24*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.82*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	59.61	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.75*	
		For 304 Stainless Steel, Add	*49.29*	
		For 5/8" Clear Opening, Add	*19.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.93*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	69.65	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.24*	
		For 304 Stainless Steel, Add	*57.91*	
		For 5/8" Clear Opening, Add	*23.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.18*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	73.15	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.40*	
		For 304 Stainless Steel, Add	*60.92*	
		For 5/8" Clear Opening, Add	*24.47*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.27*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	76.27	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.55*	
		For 304 Stainless Steel, Add	*63.60*	
		For 5/8" Clear Opening, Add	*25.54*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.35*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	28.84	0.91
		For 5/8" Clear Opening, Add	*9.32*	
		For Set In Place Without Bolting, Deduct	*-1.89*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	34.19	0.91
		For 5/8" Clear Opening, Add	*11.17*	
		For Set In Place Without Bolting, Deduct	*-2.03*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	31.70	0.91
		For 5/8" Clear Opening, Add	*10.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.97*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	36.92	0.91
		For 5/8" Clear Opening, Add	*12.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.10*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	35.52	0.91
		For 5/8" Clear Opening, Add	*11.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.06*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	42.77	0.91
		For 5/8" Clear Opening, Add	*14.13*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	38.13	0.91
		For 5/8" Clear Opening, Add	*12.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.13*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	47.34	0.91
		For 5/8" Clear Opening, Add	*15.70*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.36*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	52.16	0.91
		For 5/8" Clear Opening, Add	*17.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.48*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	62.08	0.91
		For 5/8" Clear Opening, Add	*20.79*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.73*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	67.70	0.91
		For 5/8" Clear Opening, Add	*22.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.87*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	75.24	0.91
		For 5/8" Clear Opening, Add	*25.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.05*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 16		**Plank Gratings** *(05 53)*		
05 53 16 00-0001		Grate-Lock Steel Plank Grating *(05 53 16)* Note: Smooth or traction grip surface.		
05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.11	0.70
		For Stair Tread Application, Add	*1.22*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.86	0.87
		For Stair Tread Application, Add	*1.35*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	11.46	0.96
		For Stair Tread Application, Add	*1.43*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	12.52	1.04
		For Stair Tread Application, Add	*1.56*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	12.27	0.79
		For Stair Tread Application, Add	*1.46*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	13.12	0.96
		For Stair Tread Application, Add	*1.60*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	15.03	0.91
		For Stair Tread Application, Add	*1.78*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	16.08	1.12
		For Stair Tread Application, Add	*1.94*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	17.34	1.41
		For Stair Tread Application, Add	*2.16*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	19.14	1.57
		For Stair Tread Application, Add	*2.39*	
05 54		**Metal Floor Plates** *(05 50)*		
05 54 00 00-0001		Steel Floor Plates *(05 54)*		
05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	11.25	1.08
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	12.80	1.08
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	15.92	1.08
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	21.25	1.16
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	26.84	1.24
05 54 00 00-0007		Aluminum Alloy Floor Plates *(05 54)*		
05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	17.03	0.91
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	19.54	1.08
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	22.06	1.16
05 54 00 00-0011		Type 304 Stainless Steel Floor Plates *(05 54)*		
05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	26.91	1.24
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	32.17	1.41
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	41.66	1.65
05 55		**Metal Stair Treads And Nosings** *(05 50)*		
05 55 13		**Metal Stair Treads** *(05 55)*		
05 55 13 00-0001		Abrasive Cast Aluminum Stair Treads *(05 55 13)* Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	42.51	5.10
		For 3/8" Thick, Add	*8.59*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	46.55	5.10
		For 3/8" Thick, Add	*9.60*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	50.59	5.10
		For 3/8" Thick, Add	*10.61*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	54.65	5.10
		For 3/8" Thick, Add	*11.62*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	58.67	5.10
		For 3/8" Thick, Add	*12.63*	
05 55 13 00-0007		Abrasive Cast Iron Stair Treads *(05 55 13)* Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	58.20	5.10
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.19	5.10
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	70.20	5.10
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	76.19	5.10
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	82.20	5.10
05 55 13 00-0013		Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	23.59	5.10
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	27.25	5.10
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	28.87	5.10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0017		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	33.70	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
		For Two Color Tread, Add	*1.91*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	34.01	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
		For Two Color Tread, Add	*1.91*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	40.60	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
		For Two Color Tread, Add	*1.91*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	46.38	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
		For Two Color Tread, Add	*1.91*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	53.91	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
		For Two Color Tread, Add	*1.91*	
05 55 13 00-0023		Stair Landing Treads *(05 55 13)*		
05 55 13 00-0024		Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	58.67	5.10
		For 3/8" Thick, Add	*12.63*	
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	82.20	5.10
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	54.57	5.10
		For Epoxy Sealed For Corrosive Environment, Add	*2.54*	
05 55 13 00-0030		Open Cast Iron Stair Tread *(05 55 13)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	389.91	33.10
		For Closed Riser, Add	*33.22*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	440.31	38.07
		For Closed Riser, Add	*37.39*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	486.65	44.68
		For Closed Riser, Add	*41.27*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	18.58	3.48
		For 3/8" Thick, Add	*3.26*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	22.49	3.48
		For 3/8" Thick, Add	*4.23*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	31.19	3.48
		For 3/8" Thick, Add	*6.41*	
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	21.43	3.48
		For 3/8" Thick, Add	*3.97*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	26.24	3.48
		For 3/8" Thick, Add	*5.17*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	35.75	3.48
		For 3/8" Thick, Add	*7.55*	
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.93	3.48
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.82	3.48
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.25	3.48
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	23.72	3.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.44	3.48
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.05	3.48
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.64	3.48
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.67	3.48

05 56 Metal Castings *(05 50)*

05 56 00 00-0001 Castings *(05 56)*

05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section	3.18	0.41
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section	5.21	0.33

05 58 Formed Metal Fabrications *(05 50)*

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001 Drip Pan *(05 58 16)*

05 58 16 00-0002	SF	Stainless Steel Drip Pan	65.00	5.00
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	64.24	5.00
05 58 16 00-0004	SF	Aluminum Drip Pan	45.33	4.00
05 58 16 00-0005	SF	Plastic Drip Pan	12.97	3.50

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001 Protective Guard Rails *(05 58 23)*

Note: Includes painted finish.

05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)*

Note: Steel King Armor Guard.

05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)*

Note: Excludes posts. Includes fasteners.

05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	122.09	16.69
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	142.32	16.69
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	161.40	16.69
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	181.62	16.69
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	200.81	16.69
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	225.68	16.69
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	242.63	16.69
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	268.87	16.69
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	286.08	16.69
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	298.38	16.69

05 58 23 00-0014 Posts For 2-Rib Guard Rails *(05 58 23 00-0002)*

Note: Includes drilling, surface mounting plate and anchors.

05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	248.81	34.75
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	319.05	34.75

05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)*

Note: Steel King Steel Guard.

05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)*

Note: Excludes posts. Includes fasteners.

05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	134.28	16.69
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	147.73	16.69
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	164.51	16.69
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	180.20	16.69
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	198.35	16.69
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	207.10	16.69
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	228.14	16.69
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	245.91	16.69
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	264.77	16.69
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	283.90	16.69

05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)*

Note: Excludes posts. Includes fasteners and lift-out mounting plate.

05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	194.80	16.69
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	209.56	16.69
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	224.86	16.69
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	242.63	16.69
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	260.39	16.69
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	274.88	16.69
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	291.55	16.69
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	310.41	16.69
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	330.64	16.69
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	348.40	16.69

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0040		Posts For 3-Rib Guard Rails *(05 58 23 00-0017)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	220.82	34.75
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	277.78	34.75
05 58 23 00-0043		All-Welded, Protective Guards *(05 58 23)*		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	288.64	46.34
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	302.30	46.34
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	310.23	46.34
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	321.98	46.34
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	319.25	46.34
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	333.74	46.34
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	337.84	46.34
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	342.48	46.34
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	364.62	46.34
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	373.37	46.34
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	389.77	46.34
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	396.60	46.34
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	430.22	46.34
05 58 23 00-0059		Warehouse Safety Bollards *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	184.41	34.75
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	211.42	34.75
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	240.00	34.75
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	247.82	34.75
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	265.86	34.75

05 59 Metal Specialties *(05 50)*

05 59 65 Chain *(05 59)*

05 59 65 00-0001		Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.90	0.80
		For Plastic Dipped, Add	*0.35*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.23	1.07
		For Plastic Dipped, Add	*0.47*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.44	2.13
		For Plastic Dipped, Add	*0.63*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.61	3.60
		For Plastic Dipped, Add	*0.96*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	22.98	6.08
		For Plastic Dipped, Add	*1.62*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	32.24	8.53
		For Plastic Dipped, Add	*2.28*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	43.59	10.66
		For Plastic Dipped, Add	*3.34*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	62.57	14.21
		For Plastic Dipped, Add	*5.12*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	101.07	21.33
		For Plastic Dipped, Add	*8.76*	

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001		Woven And Welded Wire Cloth *(05 59 69)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0002		Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*		
05 59 69 00-0003		2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	6.77	2.28
		For Up To 2, Add	*1.96*	
		For >2 To 6, Add	*1.13*	
		For >15 To 40, Deduct	*-0.19*	
		For >40, Deduct	*-0.56*	
		For Galvanized, Add	*1.87*	
		For Aluminum, Add	*2.24*	
		For 304 Stainless Steel, Add	*8.95*	
		For 316 Stainless Steel, Add	*10.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels	7.26	2.38
		For Up To 2, Add	*2.08*	
		For >2 To 6, Add	*1.20*	
		For >15 To 40, Deduct	*-0.21*	
		For >40, Deduct	*-0.62*	
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.46*	
		For 304 Stainless Steel, Add	*9.84*	
		For 316 Stainless Steel, Add	*11.28*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels	7.74	2.63
		For Up To 2, Add	*2.25*	
		For >2 To 6, Add	*1.30*	
		For >15 To 40, Deduct	*-0.21*	
		For >40, Deduct	*-0.64*	
		For Galvanized, Add	*2.12*	
		For Aluminum, Add	*2.54*	
		For 304 Stainless Steel, Add	*10.18*	
		For 316 Stainless Steel, Add	*11.66*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels	8.16	2.74
		For Up To 2, Add	*2.36*	
		For >2 To 6, Add	*1.36*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.68*	
		For Galvanized, Add	*2.26*	
		For Aluminum, Add	*2.71*	
		For 304 Stainless Steel, Add	*10.82*	
		For 316 Stainless Steel, Add	*12.40*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels	8.94	3.07
		For Up To 2, Add	*2.61*	
		For >2 To 6, Add	*1.51*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*2.90*	
		For 304 Stainless Steel, Add	*11.62*	
		For 316 Stainless Steel, Add	*13.31*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels	10.24	3.42
		For Up To 2, Add	*2.96*	
		For >2 To 6, Add	*1.71*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.85*	
		For Galvanized, Add	*2.84*	
		For Aluminum, Add	*3.41*	
		For 304 Stainless Steel, Add	*13.63*	
		For 316 Stainless Steel, Add	*15.62*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels	11.59	3.76
		For Up To 2, Add	*3.32*	
		For >2 To 6, Add	*1.91*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.99*	
		For Galvanized, Add	*3.29*	
		For Aluminum, Add	*3.95*	
		For 304 Stainless Steel, Add	*15.79*	
		For 316 Stainless Steel, Add	*18.10*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	13.25	4.18
		For Up To 2, Add	*3.76*	
		For >2 To 6, Add	*2.16*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.84*	
		For Aluminum, Add	*4.61*	
		For 304 Stainless Steel, Add	*18.43*	
		For 316 Stainless Steel, Add	*21.12*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	7.10	2.42
		For Up To 2, Add	*2.06*	
		For >2 To 6, Add	*1.19*	
		For >15 To 40, Deduct	*-0.19*	
		For >40, Deduct	*-0.58*	
		For Galvanized, Add	*1.94*	
		For Aluminum, Add	*2.33*	
		For 304 Stainless Steel, Add	*9.31*	
		For 316 Stainless Steel, Add	*10.67*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.79	2.55
		For Up To 2, Add	*2.24*	
		For >2 To 6, Add	*1.29*	
		For >15 To 40, Deduct	*-0.22*	
		For >40, Deduct	*-0.66*	
		For Galvanized, Add	*2.20*	
		For Aluminum, Add	*2.64*	
		For 304 Stainless Steel, Add	*10.56*	
		For 316 Stainless Steel, Add	*12.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.40	2.85
		For Up To 2, Add	*2.44*	
		For >2 To 6, Add	*1.41*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.69*	
		For Galvanized, Add	*2.30*	
		For Aluminum, Add	*2.75*	
		For 304 Stainless Steel, Add	*11.02*	
		For 316 Stainless Steel, Add	*12.62*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.77	2.94
		For Up To 2, Add	*2.54*	
		For >2 To 6, Add	*1.47*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*2.90*	
		For 304 Stainless Steel, Add	*11.62*	
		For 316 Stainless Steel, Add	*13.31*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.61	3.30
		For Up To 2, Add	*2.80*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.78*	
		For Galvanized, Add	*2.61*	
		For Aluminum, Add	*3.13*	
		For 304 Stainless Steel, Add	*12.50*	
		For 316 Stainless Steel, Add	*14.33*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	11.02	3.68
		For Up To 2, Add	*3.19*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.92*	
		For Galvanized, Add	*3.06*	
		For Aluminum, Add	*3.67*	
		For 304 Stainless Steel, Add	*14.66*	
		For 316 Stainless Steel, Add	*16.80*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.46	4.05
		For Up To 2, Add	*3.57*	
		For >2 To 6, Add	*2.06*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.06*	
		For Galvanized, Add	*3.53*	
		For Aluminum, Add	*4.24*	
		For 304 Stainless Steel, Add	*16.94*	
		For 316 Stainless Steel, Add	*19.42*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	14.27	4.50
		For Up To 2, Add	*4.05*	
		For >2 To 6, Add	*2.33*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.24*	
		For Galvanized, Add	*4.14*	
		For Aluminum, Add	*4.96*	
		For 304 Stainless Steel, Add	*19.85*	
		For 316 Stainless Steel, Add	*22.74*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	7.86	2.68
		For Up To 2, Add	*2.28*	
		For >2 To 6, Add	*1.32*	
		For >15 To 40, Deduct	*-0.22*	
		For >40, Deduct	*-0.65*	
		For Galvanized, Add	*2.15*	
		For Aluminum, Add	*2.58*	
		For 304 Stainless Steel, Add	*10.32*	
		For 316 Stainless Steel, Add	*11.83*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.61	2.82
		For Up To 2, Add	*2.47*	
		For >2 To 6, Add	*1.42*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.43*	
		For Aluminum, Add	*2.92*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.37*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.20	3.12
		For Up To 2, Add	*2.67*	
		For >2 To 6, Add	*1.55*	
		For >15 To 40, Deduct	*-0.25*	
		For >40, Deduct	*-0.75*	
		For Galvanized, Add	*2.52*	
		For Aluminum, Add	*3.02*	
		For 304 Stainless Steel, Add	*12.07*	
		For 316 Stainless Steel, Add	*13.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.69	3.25
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.80*	
		For Galvanized, Add	*2.68*	
		For Aluminum, Add	*3.21*	
		For 304 Stainless Steel, Add	*12.84*	
		For 316 Stainless Steel, Add	*14.71*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.57	3.63
		For Up To 2, Add	*3.08*	
		For >2 To 6, Add	*1.78*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.86*	
		For Galvanized, Add	*2.87*	
		For Aluminum, Add	*3.44*	
		For 304 Stainless Steel, Add	*13.75*	
		For 316 Stainless Steel, Add	*15.76*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	12.05	4.03
		For Up To 2, Add	*3.48*	
		For >2 To 6, Add	*2.01*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*3.34*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.03*	
		For 316 Stainless Steel, Add	*18.37*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.63	4.43
		For Up To 2, Add	*3.91*	
		For >2 To 6, Add	*2.25*	
		For >15 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-1.16*	
		For Galvanized, Add	*3.87*	
		For Aluminum, Add	*4.64*	
		For 304 Stainless Steel, Add	*18.55*	
		For 316 Stainless Steel, Add	*21.26*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.55	4.90
		For Up To 2, Add	*4.42*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*4.51*	
		For Aluminum, Add	*5.41*	
		For 304 Stainless Steel, Add	*21.65*	
		For 316 Stainless Steel, Add	*24.81*	

05 59 69 00-0030 1-1/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	8.09	2.89
		For Up To 2, Add	*2.39*	
		For >2 To 6, Add	*1.39*	
		For >15 To 40, Deduct	*-0.21*	
		For >40, Deduct	*-0.63*	
		For Galvanized, Add	*2.11*	
		For Aluminum, Add	*2.53*	
		For 304 Stainless Steel, Add	*10.13*	
		For 316 Stainless Steel, Add	*11.61*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.73	3.04
		For Up To 2, Add	*2.56*	
		For >2 To 6, Add	*1.48*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.70*	
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*2.80*	
		For 304 Stainless Steel, Add	*11.21*	
		For 316 Stainless Steel, Add	*12.84*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.45	3.16
		For Up To 2, Add	*2.74*	
		For >2 To 6, Add	*1.58*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.78*	
		For Galvanized, Add	*2.61*	
		For Aluminum, Add	*3.13*	
		For 304 Stainless Steel, Add	*12.53*	
		For 316 Stainless Steel, Add	*14.36*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.73	3.22
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.72*	
		For Aluminum, Add	*3.26*	
		For 304 Stainless Steel, Add	*13.03*	
		For 316 Stainless Steel, Add	*14.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.57	3.64
		For Up To 2, Add	*3.08*	
		For >2 To 6, Add	*1.78*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.86*	
		For Galvanized, Add	*2.86*	
		For Aluminum, Add	*3.43*	
		For 304 Stainless Steel, Add	*13.73*	
		For 316 Stainless Steel, Add	*15.73*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	11.91	4.10
		For Up To 2, Add	*3.47*	
		For >2 To 6, Add	*2.01*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*3.23*	
		For Aluminum, Add	*3.87*	
		For 304 Stainless Steel, Add	*15.48*	
		For 316 Stainless Steel, Add	*17.74*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.52	4.52
		For Up To 2, Add	*3.91*	
		For >2 To 6, Add	*2.26*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.13*	
		For Galvanized, Add	*3.75*	
		For Aluminum, Add	*4.50*	
		For 304 Stainless Steel, Add	*18.00*	
		For 316 Stainless Steel, Add	*20.63*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	15.21	4.94
		For Up To 2, Add	*4.36*	
		For >2 To 6, Add	*2.51*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*4.32*	
		For Aluminum, Add	*5.18*	
		For 304 Stainless Steel, Add	*20.71*	
		For 316 Stainless Steel, Add	*23.73*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	17.40	5.49
		For Up To 2, Add	*4.94*	
		For >2 To 6, Add	*2.84*	
		For >15 To 40, Deduct	*-0.50*	
		For >40, Deduct	*-1.51*	
		For Galvanized, Add	*5.05*	
		For Aluminum, Add	*6.05*	
		For 304 Stainless Steel, Add	*24.22*	
		For 316 Stainless Steel, Add	*27.75*	

05 59 69 00-0040 1" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	9.24	3.39
		For Up To 2, Add	*2.75*	
		For >2 To 6, Add	*1.60*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.71*	
		For Galvanized, Add	*2.36*	
		For Aluminum, Add	*2.83*	
		For 304 Stainless Steel, Add	*11.33*	
		For 316 Stainless Steel, Add	*12.98*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.89	3.53
		For Up To 2, Add	*2.92*	
		For >2 To 6, Add	*1.70*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.78*	
		For Galvanized, Add	*2.59*	
		For Aluminum, Add	*3.11*	
		For 304 Stainless Steel, Add	*12.43*	
		For 316 Stainless Steel, Add	*14.25*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.30	3.68
		For Up To 2, Add	*3.04*	
		For >2 To 6, Add	*1.77*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.69*	
		For Aluminum, Add	*3.23*	
		For 304 Stainless Steel, Add	*12.91*	
		For 316 Stainless Steel, Add	*14.80*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	11.00	3.73
		For Up To 2, Add	*3.20*	
		For >2 To 6, Add	*1.85*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.90*	
		For Galvanized, Add	*3.01*	
		For Aluminum, Add	*3.61*	
		For 304 Stainless Steel, Add	*14.42*	
		For 316 Stainless Steel, Add	*16.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	12.24	4.22
		For Up To 2, Add	*3.57*	
		For >2 To 6, Add	*2.07*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.99*	
		For Galvanized, Add	*3.31*	
		For Aluminum, Add	*3.97*	
		For 304 Stainless Steel, Add	*15.89*	
		For 316 Stainless Steel, Add	*18.21*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	13.73	4.72
		For Up To 2, Add	*4.00*	
		For >2 To 6, Add	*2.32*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.12*	
		For Galvanized, Add	*3.72*	
		For Aluminum, Add	*4.46*	
		For 304 Stainless Steel, Add	*17.86*	
		For 316 Stainless Steel, Add	*20.46*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	15.69	5.23
		For Up To 2, Add	*4.54*	
		For >2 To 6, Add	*2.62*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.31*	
		For Galvanized, Add	*4.35*	
		For Aluminum, Add	*5.22*	
		For 304 Stainless Steel, Add	*20.88*	
		For 316 Stainless Steel, Add	*23.93*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	17.63	5.73
		For Up To 2, Add	*5.05*	
		For >2 To 6, Add	*2.91*	
		For >15 To 40, Deduct	*-0.50*	
		For >40, Deduct	*-1.50*	
		For Galvanized, Add	*5.00*	
		For Aluminum, Add	*6.00*	
		For 304 Stainless Steel, Add	*24.00*	
		For 316 Stainless Steel, Add	*27.50*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	20.08	6.33
		For Up To 2, Add	*5.70*	
		For >2 To 6, Add	*3.27*	
		For >15 To 40, Deduct	*-0.58*	
		For >40, Deduct	*-1.75*	
		For Galvanized, Add	*5.82*	
		For Aluminum, Add	*6.98*	
		For 304 Stainless Steel, Add	*27.94*	
		For 316 Stainless Steel, Add	*32.01*	
05 59 69 00-0050		3/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.34	3.38
		For Up To 2, Add	*2.77*	
		For >2 To 6, Add	*1.61*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.72*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*2.90*	
		For 304 Stainless Steel, Add	*11.59*	
		For 316 Stainless Steel, Add	*13.28*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels	10.44	3.80
		For Up To 2, Add	*3.10*	
		For >2 To 6, Add	*1.80*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.69*	
		For Aluminum, Add	*3.23*	
		For 304 Stainless Steel, Add	*12.91*	
		For 316 Stainless Steel, Add	*14.80*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels	11.57	4.29
		For Up To 2, Add	*3.46*	
		For >2 To 6, Add	*2.02*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.93*	
		For Aluminum, Add	*3.51*	
		For 304 Stainless Steel, Add	*14.04*	
		For 316 Stainless Steel, Add	*16.09*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels	12.50	4.57
		For Up To 2, Add	*3.72*	
		For >2 To 6, Add	*2.17*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.96*	
		For Galvanized, Add	*3.20*	
		For Aluminum, Add	*3.84*	
		For 304 Stainless Steel, Add	*15.36*	
		For 316 Stainless Steel, Add	*17.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	14.43	5.14
		For Up To 2, Add	*4.26*	
		For >2 To 6, Add	*2.47*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.14*	
		For Galvanized, Add	*3.79*	
		For Aluminum, Add	*4.54*	
		For 304 Stainless Steel, Add	*18.17*	
		For 316 Stainless Steel, Add	*20.82*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	16.58	5.75
		For Up To 2, Add	*4.85*	
		For >2 To 6, Add	*2.81*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.34*	
		For Galvanized, Add	*4.46*	
		For Aluminum, Add	*5.35*	
		For 304 Stainless Steel, Add	*21.38*	
		For 316 Stainless Steel, Add	*24.50*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	18.84	6.35
		For Up To 2, Add	*5.46*	
		For >2 To 6, Add	*3.16*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.55*	
		For Galvanized, Add	*5.18*	
		For Aluminum, Add	*6.22*	
		For 304 Stainless Steel, Add	*24.86*	
		For 316 Stainless Steel, Add	*28.49*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	21.07	6.91
		For Up To 2, Add	*6.06*	
		For >2 To 6, Add	*3.49*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.78*	
		For Galvanized, Add	*5.93*	
		For Aluminum, Add	*7.12*	
		For 304 Stainless Steel, Add	*28.46*	
		For 316 Stainless Steel, Add	*32.62*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	23.99	7.64
		For Up To 2, Add	*6.84*	
		For >2 To 6, Add	*3.93*	
		For >15 To 40, Deduct	*-0.69*	
		For >40, Deduct	*-2.07*	
		For Galvanized, Add	*6.90*	
		For Aluminum, Add	*8.28*	
		For 304 Stainless Steel, Add	*33.12*	
		For 316 Stainless Steel, Add	*37.95*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	9.77	3.62
		For Up To 2, Add	*2.92*	
		For >2 To 6, Add	*1.70*	
		For >15 To 40, Deduct	*-0.25*	
		For >40, Deduct	*-0.74*	
		For Galvanized, Add	*2.47*	
		For Aluminum, Add	*2.96*	
		For 304 Stainless Steel, Add	*11.86*	
		For 316 Stainless Steel, Add	*13.59*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.47	4.40
		For Up To 2, Add	*3.47*	
		For >2 To 6, Add	*2.03*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.84*	
		For Galvanized, Add	*2.80*	
		For Aluminum, Add	*3.35*	
		For 304 Stainless Steel, Add	*13.42*	
		For 316 Stainless Steel, Add	*15.37*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	13.84	5.21
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.43*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.03*	
		For Galvanized, Add	*3.45*	
		For Aluminum, Add	*4.13*	
		For 304 Stainless Steel, Add	*16.54*	
		For 316 Stainless Steel, Add	*18.95*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	15.94	5.85
		For Up To 2, Add	*4.75*	
		For >2 To 6, Add	*2.76*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.22*	
		For Galvanized, Add	*4.07*	
		For Aluminum, Add	*4.88*	
		For 304 Stainless Steel, Add	*19.54*	
		For 316 Stainless Steel, Add	*22.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	18.26	6.52
		For Up To 2, Add	*5.39*	
		For >2 To 6, Add	*3.13*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.43*	
		For Galvanized, Add	*4.78*	
		For Aluminum, Add	*5.74*	
		For 304 Stainless Steel, Add	*22.94*	
		For 316 Stainless Steel, Add	*26.29*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	20.91	7.27
		For Up To 2, Add	*6.12*	
		For >2 To 6, Add	*3.55*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.68*	
		For Galvanized, Add	*5.61*	
		For Aluminum, Add	*6.73*	
		For 304 Stainless Steel, Add	*26.90*	
		For 316 Stainless Steel, Add	*30.83*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	23.63	7.99
		For Up To 2, Add	*6.86*	
		For >2 To 6, Add	*3.96*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.95*	
		For Galvanized, Add	*6.49*	
		For Aluminum, Add	*7.78*	
		For 304 Stainless Steel, Add	*31.13*	
		For 316 Stainless Steel, Add	*35.67*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	26.36	8.67
		For Up To 2, Add	*7.58*	
		For >2 To 6, Add	*4.37*	
		For >15 To 40, Deduct	*-0.74*	
		For >40, Deduct	*-2.22*	
		For Galvanized, Add	*7.40*	
		For Aluminum, Add	*8.88*	
		For 304 Stainless Steel, Add	*35.52*	
		For 316 Stainless Steel, Add	*40.70*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	27.51	9.54
		For Up To 2, Add	*8.04*	
		For >2 To 6, Add	*4.66*	
		For >15 To 40, Deduct	*-0.74*	
		For >40, Deduct	*-2.22*	
		For Galvanized, Add	*7.40*	
		For Aluminum, Add	*8.88*	
		For 304 Stainless Steel, Add	*35.52*	
		For 316 Stainless Steel, Add	*40.70*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.

05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*

Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.

05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.27	3.12
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.46*	
		For 304 Stainless Steel, Add	*9.84*	
		For 316 Stainless Steel, Add	*11.28*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	10.36	3.42
		For Galvanized, Add	*2.90*	
		For Aluminum, Add	*3.48*	
		For 304 Stainless Steel, Add	*13.92*	
		For 316 Stainless Steel, Add	*15.95*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	5.97	2.42
		For Galvanized, Add	*1.38*	
		For Aluminum, Add	*1.65*	
		For 304 Stainless Steel, Add	*6.60*	
		For 316 Stainless Steel, Add	*7.56*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	6.52	2.63
		For Galvanized, Add	*1.51*	
		For Aluminum, Add	*1.81*	
		For 304 Stainless Steel, Add	*7.25*	
		For 316 Stainless Steel, Add	*8.31*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.39	3.12
		For Galvanized, Add	*1.61*	
		For Aluminum, Add	*1.93*	
		For 304 Stainless Steel, Add	*7.73*	
		For 316 Stainless Steel, Add	*8.86*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	9.46	4.03
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.45*	
		For 304 Stainless Steel, Add	*9.82*	
		For 316 Stainless Steel, Add	*11.25*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.22	2.38
		For Galvanized, Add	*1.03*	
		For Aluminum, Add	*1.24*	
		For 304 Stainless Steel, Add	*4.94*	
		For 316 Stainless Steel, Add	*5.67*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	5.84	2.55
			For Galvanized, Add	*1.23*	
			For Aluminum, Add	*1.47*	
			For 304 Stainless Steel, Add	*5.88*	
			For 316 Stainless Steel, Add	*6.74*	
	05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	6.67	2.85
			For Galvanized, Add	*1.43*	
			For Aluminum, Add	*1.72*	
			For 304 Stainless Steel, Add	*6.86*	
			For 316 Stainless Steel, Add	*7.87*	
	05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	10.52	4.72
			For Galvanized, Add	*2.12*	
			For Aluminum, Add	*2.54*	
			For 304 Stainless Steel, Add	*10.15*	
			For 316 Stainless Steel, Add	*11.63*	
	05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	5.86	2.89
			For Galvanized, Add	*1.00*	
			For Aluminum, Add	*1.19*	
			For 304 Stainless Steel, Add	*4.78*	
			For 316 Stainless Steel, Add	*5.47*	
	05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.04	2.28
			For Galvanized, Add	*1.00*	
			For Aluminum, Add	*1.20*	
			For 304 Stainless Steel, Add	*4.80*	
			For 316 Stainless Steel, Add	*5.50*	
	05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	5.81	2.68
			For Galvanized, Add	*1.13*	
			For Aluminum, Add	*1.35*	
			For 304 Stainless Steel, Add	*5.40*	
			For 316 Stainless Steel, Add	*6.19*	
	05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	8.99	3.62
			For Galvanized, Add	*2.08*	
			For Aluminum, Add	*2.50*	
			For 304 Stainless Steel, Add	*9.98*	
			For 316 Stainless Steel, Add	*11.44*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

	05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	267.72	41.37
			For Galvanized, Add	*129.48*	
	05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	303.96	45.51
			For Galvanized, Add	*149.05*	
	05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	335.89	49.65
			For Galvanized, Add	*165.61*	
	05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	360.29	53.79
			For Galvanized, Add	*176.90*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 00 00-0001 Railings; Vertical Square Bars At 6" *(05 73)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

	05 73 00 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	62.93	9.10
			For Rake Or Angle Railings, Add	*8.33*	
			For Curved Railings, Add	*17.84*	
			For 4" On Center Standards, Add	*1.97*	
			For 4-1/2" On Center Standards, Add	*1.58*	
			For 5" On Center Standards, Add	*1.05*	
			For 5-1/2" On Center Standards, Add	*0.53*	
			For Each Field Bending Of Rails, Add	*11.67*	
			For Galvanized, Add	*3.68*	
	05 73 00 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	106.48	12.41
			For Rake Or Angle Railings, Add	*12.78*	
			For Curved Railings, Add	*33.90*	
			For 4" On Center Standards, Add	*4.20*	
			For 4-1/2" On Center Standards, Add	*3.36*	
			For 5" On Center Standards, Add	*2.24*	
			For 5-1/2" On Center Standards, Add	*1.12*	
			For Each Field Bending Of Rails, Add	*15.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 00 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	158.73	20.69
		For Rake Or Angle Railings, Add	*18.78*	
		For Curved Railings, Add	*51.30*	
		For 4" On Center Standards, Add	*6.44*	
		For 4-1/2" On Center Standards, Add	*5.15*	
		For 5" On Center Standards, Add	*3.44*	
		For 5-1/2" On Center Standards, Add	*1.72*	
		For Each Field Bending Of Rails, Add	*20.71*	
05 73 00 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	207.75	16.55
		For Rake Or Angle Railings, Add	*21.37*	
		For Curved Railings, Add	*76.14*	
		For 4" On Center Standards, Add	*10.54*	
		For 4-1/2" On Center Standards, Add	*8.43*	
		For 5" On Center Standards, Add	*5.62*	
		For 5-1/2" On Center Standards, Add	*2.81*	
		For Each Field Bending Of Rails, Add	*19.30*	
05 73 00 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	144.68	25.24
		For Rake Or Angle Railings, Add	*15.30*	
		For Curved Railings, Add	*51.85*	
		For 4" On Center Standards, Add	*7.07*	
		For 4-1/2" On Center Standards, Add	*5.65*	
		For 5" On Center Standards, Add	*3.77*	
		For 5-1/2" On Center Standards, Add	*1.88*	
		For Each Field Bending Of Rails, Add	*15.12*	

05 73 00 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73)*

05 73 00 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	98.90	4.14
		For Rake Or Angle Railings, Add	*8.20*	
		For Curved Railings, Add	*41.78*	
		For 4" On Center Standards, Add	*6.31*	
		For 4-1/2" On Center Standards, Add	*5.05*	
		For 5" On Center Standards, Add	*3.37*	
		For 5-1/2" On Center Standards, Add	*1.68*	
		For Each Field Bending Of Rails, Add	*6.18*	

05 73 00 00-0009 Plain Handrails *(05 73)*

05 73 00 00-0010	LF	2" Brass Handrail	38.34	9.63
05 73 00 00-0011	EA	90 Degree Angle For 2" Brass Handrail	84.14	32.66
05 73 00 00-0012	EA	End Cap For 2" Brass Handrail	39.35	16.37
05 73 00 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	64.26	32.66
05 73 00 00-0014	LF	2" Stainless Steel Handrail	63.81	17.50

05 73 00 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0366 for painting.

05 73 00 00-0016	LF	Refinish Metal Handrail	8.44	
05 73 00 00-0017	LF	Refinish Wrought Iron Balustrade	8.40	

05 73 00 00-0018 Remove And Reinstall Ornamental Railing *(05 73)*

05 73 00 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	76.13	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	19.38	1.94
		For >16 To 200, Deduct	*-1.16*	
		For >200 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.30*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	23.68	2.16
		For >16 To 200, Deduct	*-1.40*	
		For >200 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.98*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	25.86	2.33
		For >16 To 200, Deduct	*-1.53*	
		For >200 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-4.35*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	27.79	2.45
		For >16 To 200, Deduct	*-1.63*	
		For >200 To 500, Deduct	*-3.27*	
		For >500, Deduct	*-4.66*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	31.26	2.56
		For >16 To 200, Deduct	*-1.82*	
		For >200 To 500, Deduct	*-3.64*	
		For >500, Deduct	*-5.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	38.51	2.68
		For >16 To 200, Deduct	*-2.19*	
		For >200 To 500, Deduct	*-4.39*	
		For >500, Deduct	*-6.31*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	44.46	2.80
		For >16 To 200, Deduct	*-2.50*	
		For >200 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-7.23*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	53.14	3.03
		For >16 To 200, Deduct	*-2.96*	
		For >200 To 500, Deduct	*-5.92*	
		For >500, Deduct	*-8.58*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	64.41	3.26
		For >16 To 200, Deduct	*-3.55*	
		For >200 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.32*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	92.08	3.50
		For >16 To 200, Deduct	*-4.95*	
		For >200 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-14.51*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.43	2.77
		For >16 To 200, Deduct	*-1.15*	
		For >200 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.17*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.41	2.99
		For >16 To 200, Deduct	*-1.27*	
		For >200 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.51*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	21.17	3.20
		For >16 To 200, Deduct	*-1.38*	
		For >200 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.82*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.14	3.62
		For >16 To 200, Deduct	*-1.62*	
		For >200 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-4.50*	
05 75 00 00-0018	SF	0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	29.04	4.06
		For >16 To 200, Deduct	*-1.86*	
		For >200 To 500, Deduct	*-3.71*	
		For >500, Deduct	*-5.17*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	34.43	4.69
		For >16 To 200, Deduct	*-2.19*	
		For >200 To 500, Deduct	*-4.38*	
		For >500, Deduct	*-6.10*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	45.08	5.11
		For >16 To 200, Deduct	*-2.77*	
		For >200 To 500, Deduct	*-5.53*	
		For >500, Deduct	*-7.79*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	58.04	5.55
		For >16 To 200, Deduct	*-3.46*	
		For >200 To 500, Deduct	*-6.91*	
		For >500, Deduct	*-9.81*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	74.48	5.97
		For >16 To 200, Deduct	*-4.32*	
		For >200 To 500, Deduct	*-8.64*	
		For >500, Deduct	*-12.37*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	117.01	6.40
		For >16 To 200, Deduct	*-6.49*	
		For >200 To 500, Deduct	*-12.98*	
		For >500, Deduct	*-18.83*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	148.20	7.47
		For >16 To 200, Deduct	*-8.16*	
		For >200 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-23.72*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	10.59	1.94
		For >16 To 200, Deduct	*-0.72*	
		For >200 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.98*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	11.95	2.16
		For >16 To 200, Deduct	*-0.81*	
		For >200 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.22*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	13.22	2.33
		For >16 To 200, Deduct	*-0.89*	
		For >200 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	14.45	2.45
		For >16 To 200, Deduct	*-0.97*	
		For >200 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.66*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	15.68	2.56
		For >16 To 200, Deduct	*-1.04*	
		For >200 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.87*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	17.01	2.68
		For >16 To 200, Deduct	*-1.12*	
		For >200 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.09*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	18.60	2.80
		For >16 To 200, Deduct	*-1.21*	
		For >200 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.35*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	22.03	3.26
		For >16 To 200, Deduct	*-1.43*	
		For >200 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.96*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.75	2.22
		For >16 To 200, Deduct	*-0.81*	
		For >200 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.21*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.52	2.33
		For >16 To 200, Deduct	*-0.86*	
		For >200 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.34*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.06	2.45
		For >16 To 200, Deduct	*-0.90*	
		For >200 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.45*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.82	2.56
		For >16 To 200, Deduct	*-0.95*	
		For >200 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.59*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.81	2.68
		For >16 To 200, Deduct	*-1.01*	
		For >200 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.76*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.87	2.80
		For >16 To 200, Deduct	*-1.07*	
		For >200 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.94*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.99	3.03
		For >16 To 200, Deduct	*-1.20*	
		For >200 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-3.31*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	20.42	3.26
		For >16 To 200, Deduct	*-1.35*	
		For >200 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.72*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	22.46	3.50
		For >16 To 200, Deduct	*-1.47*	
		For >200 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.07*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	8.89	1.72
		For >16 To 200, Deduct	*-0.62*	
		For >200 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.68*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	10.21	1.94
		For >16 To 200, Deduct	*-0.71*	
		For >200 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.92*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	11.50	2.16
		For >16 To 200, Deduct	*-0.79*	
		For >200 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.16*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	12.62	2.33
		For >16 To 200, Deduct	*-0.86*	
		For >200 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 05

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration ***(06 01 20)***

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork	6.81	
		Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.		

06 05 Common Work Results For Wood, Plastics, And Composites *(06)*

06 05 23 Wood, Plastic, And Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	10.45	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.69*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	13.68	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.22*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	15.08	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-4.36*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	29.06	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.86*	
		For >500, Deduct	*-6.81*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

06 05 23 00-0007	EA	10 Gauge Framing Anchor	5.65	2.78
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.69*	

06 05 23 00-0008 Holddown Anchors *(06 05 23)*

06 05 23 00-0009	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B)	38.26	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.32*	
06 05 23 00-0010	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD5B)	52.41	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.47*	
		For >100 To 250, Deduct	*-6.93*	
		For >250 To 500, Deduct	*-11.83*	
		For >500, Deduct	*-16.73*	
06 05 23 00-0011	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD7B)	59.34	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-7.69*	
		For >250 To 500, Deduct	*-13.11*	
		For >500, Deduct	*-18.53*	
06 05 23 00-0012	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs, (Simpson Strong Tie® HD9B)	72.23	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-8.89*	
		For >250 To 500, Deduct	*-15.10*	
		For >500, Deduct	*-21.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0013	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12)	140.75	
		For >10 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-13.71*	
		For >250 To 500, Deduct	*-22.79*	
		For >500, Deduct	*-31.86*	
06 05 23 00-0014	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19)	161.50	
		For >10 To 50, Deduct	*-2.32*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 250, Deduct	*-15.02*	
		For >250 To 500, Deduct	*-24.85*	
		For >500, Deduct	*-34.68*	

06 05 23 00-0015 Joist And Beam Hangers *(06 05 23)*

06 05 23 00-0016	EA	18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	5.66	2.59
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.69*	
06 05 23 00-0017	EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	6.27	2.59
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.87*	
06 05 23 00-0018	EA	16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	7.39	2.59
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.06*	
06 05 23 00-0019	EA	16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	7.48	2.59
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.06*	
06 05 23 00-0020	EA	16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	7.61	2.68
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.15*	
06 05 23 00-0021	EA	16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	7.88	2.68
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.18*	

06 05 23 00-0022 Post Framing *(06 05 23)*

06 05 23 00-0023	EA	16 Gauge Post Framing With 4" x 4" Base	9.73	3.24
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.83*	
06 05 23 00-0024	EA	16 Gauge Post Framing With 4" x 4" Cap	8.71	3.24
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.61*	
		For >500, Deduct	*-3.72*	

06 05 23 00-0025 Rafter Anchors *(06 05 23)*

06 05 23 00-0026	EA	1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	6.57	2.88
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.21*	
06 05 23 00-0027	EA	1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	6.68	2.88
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0028	EA	Galvanized Rigid Rafter Connector, For 2" x 6"	8.26	2.88
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.38*	

06 05 23 00-0029 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0030 Carriage Bolts *(06 05 23 00-0029)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0031 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0030)*

06 05 23 00-0032	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.38	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-6.05*	
06 05 23 00-0033	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.54	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.25*	
		For >500, Deduct	*-6.07*	
06 05 23 00-0034	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.63	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-6.08*	
06 05 23 00-0035	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.76	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-7.04*	
06 05 23 00-0036	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.72	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.60*	
		For >500, Deduct	*-6.56*	
06 05 23 00-0037	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.89	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-4.94*	
		For >500, Deduct	*-7.05*	
06 05 23 00-0038	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.14	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.96*	
		For >500, Deduct	*-7.07*	
06 05 23 00-0039	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.09	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.94*	
		For >500, Deduct	*-8.48*	
06 05 23 00-0040	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.75	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-6.32*	
		For >500, Deduct	*-9.02*	
06 05 23 00-0041	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.31	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-4.03*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-10.01*	
06 05 23 00-0042	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.41	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-7.10*	
06 05 23 00-0043	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.96	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.35*	
		For >500, Deduct	*-7.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0044	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.08	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-5.68*	
		For >500, Deduct	*-8.10*	
06 05 23 00-0045	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.29	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.36*	
		For >500, Deduct	*-9.07*	
06 05 23 00-0046	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.90	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.54*	
06 05 23 00-0047	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.89	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-4.68*	
		For >250 To 500, Deduct	*-8.13*	
		For >500, Deduct	*-11.58*	
06 05 23 00-0048	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.48	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.82*	
06 05 23 00-0049	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.39	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.60*	
		For >500, Deduct	*-9.38*	
06 05 23 00-0050	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.15	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-4.46*	
		For >250 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-10.97*	
06 05 23 00-0051	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.94	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.79*	
		For >250 To 500, Deduct	*-8.26*	
		For >500, Deduct	*-11.72*	
06 05 23 00-0052	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.68	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.73*	
06 05 23 00-0053	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	35.28	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-9.27*	
		For >500, Deduct	*-13.16*	

06 05 23 00-0054 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0030)*

06 05 23 00-0055	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.65	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-6.08*	
06 05 23 00-0056	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.93	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-6.11*	
06 05 23 00-0057	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.25	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.30*	
		For >500, Deduct	*-6.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0058	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.81	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-7.14*	
06 05 23 00-0059	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.10	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.62*	
		For >500, Deduct	*-6.60*	
06 05 23 00-0060	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.49	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-7.11*	
06 05 23 00-0061	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.83	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-7.14*	
06 05 23 00-0062	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.15	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-6.02*	
		For >500, Deduct	*-8.59*	
06 05 23 00-0063	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.93	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.41*	
		For >500, Deduct	*-9.14*	
06 05 23 00-0064	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.41	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.10*	
		For >500, Deduct	*-10.12*	
06 05 23 00-0065	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.29	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.04*	
		For >500, Deduct	*-7.19*	
06 05 23 00-0066	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.65	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.40*	
		For >500, Deduct	*-7.69*	
06 05 23 00-0067	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.90	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 500, Deduct	*-5.75*	
		For >500, Deduct	*-8.19*	
06 05 23 00-0068	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.48	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-9.19*	
06 05 23 00-0069	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.07	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.66*	
06 05 23 00-0070	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.79	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.67*	
06 05 23 00-0071	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.14	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0072	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.24	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.57*	
06 05 23 00-0073	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.46	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-7.81*	
		For >500, Deduct	*-11.10*	
06 05 23 00-0074	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.84	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.79*	
		For >250 To 500, Deduct	*-8.25*	
		For >500, Deduct	*-11.71*	
06 05 23 00-0075	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	36.39	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.10*	
		For >500, Deduct	*-12.90*	
06 05 23 00-0076	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.85	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 500, Deduct	*-9.54*	
		For >500, Deduct	*-13.52*	

06 05 23 00-0077 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0030)*

06 05 23 00-0078	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.91	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-6.11*	
06 05 23 00-0079	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	13.87	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.20*	
06 05 23 00-0080	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.50	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.27*	
06 05 23 00-0081	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.10	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.56*	
		For >500, Deduct	*-7.87*	
06 05 23 00-0082	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.73	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.67*	
		For >500, Deduct	*-6.66*	
06 05 23 00-0083	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.05	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.94*	
		For >250 To 500, Deduct	*-5.10*	
		For >500, Deduct	*-7.27*	
06 05 23 00-0084	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.35	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-5.12*	
		For >500, Deduct	*-7.30*	
06 05 23 00-0085	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.12	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-6.85*	
		For >500, Deduct	*-9.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0086	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	36.03	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.65*	
06 05 23 00-0087	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	40.29	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.81*	
06 05 23 00-0088	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.17	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-2.99*	
		For >250 To 500, Deduct	*-5.19*	
		For >500, Deduct	*-7.38*	
06 05 23 00-0089	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.42	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-7.97*	
06 05 23 00-0090	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	24.25	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.72*	
06 05 23 00-0091	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	36.91	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.74*	
06 05 23 00-0092	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.79	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.74*	
		For >500, Deduct	*-12.33*	
06 05 23 00-0093	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	63.43	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-10.87*	
		For >500, Deduct	*-15.24*	
06 05 23 00-0094	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	49.35	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-5.11*	
		For >250 To 500, Deduct	*-8.54*	
		For >500, Deduct	*-11.98*	
06 05 23 00-0095	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	68.85	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.04*	
06 05 23 00-0096	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	76.01	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-7.00*	
		For >250 To 500, Deduct	*-11.56*	
		For >500, Deduct	*-16.13*	
06 05 23 00-0097	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	110.34	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-14.64*	
		For >500, Deduct	*-20.30*	
06 05 23 00-0098	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	116.01	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-4.71*	
		For >100 To 250, Deduct	*-9.41*	
		For >250 To 500, Deduct	*-15.33*	
		For >500, Deduct	*-21.24*	

06 05 23 00-0099 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0030)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0100	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	17.34	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-4.61*	
		For >500, Deduct	*-6.55*	
06 05 23 00-0101	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	19.02	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.74*	
		For >500, Deduct	*-6.72*	
06 05 23 00-0102	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	20.52	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.11*	
		For >500, Deduct	*-7.24*	
06 05 23 00-0103	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	23.78	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-7.94*	
06 05 23 00-0104	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	31.26	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.69*	
06 05 23 00-0105	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	33.99	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.33*	
06 05 23 00-0106	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	36.58	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-9.95*	

06 05 23 00-0107 Hex Lag Bolts *(06 05 23 00-0029)*

Note: Includes drilling of holes in any material.

06 05 23 00-0108 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0107)*

06 05 23 00-0109	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	11.79	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.81*	
06 05 23 00-0110	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	11.92	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.08*	
		For >500, Deduct	*-5.82*	
06 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	12.19	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.10*	
		For >500, Deduct	*-5.85*	
06 05 23 00-0112	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	13.02	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.35*	
06 05 23 00-0113	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	14.17	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.83*	
06 05 23 00-0114	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	14.47	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0115	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	17.78	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.80*	
		For >500, Deduct	*-8.27*	
06 05 23 00-0116	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	18.84	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.51*	
		For >250 To 500, Deduct	*-6.12*	
		For >500, Deduct	*-8.73*	
06 05 23 00-0117	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	14.46	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.83*	
		For >500, Deduct	*-6.89*	
06 05 23 00-0118	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	15.80	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.39*	
06 05 23 00-0119	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.25	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 250, Deduct	*-3.18*	
		For >250 To 500, Deduct	*-5.54*	
		For >500, Deduct	*-7.90*	
06 05 23 00-0120	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	19.69	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.87*	
06 05 23 00-0121	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	23.26	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-7.24*	
		For >500, Deduct	*-10.32*	
06 05 23 00-0122	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	25.39	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-7.90*	
		For >500, Deduct	*-11.26*	
06 05 23 00-0123	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.47	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-9.05*	
06 05 23 00-0124	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	25.73	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-10.57*	
06 05 23 00-0125	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	28.66	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.89*	
		For >500, Deduct	*-11.22*	
06 05 23 00-0126	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	32.32	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-12.31*	
06 05 23 00-0127	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	36.50	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.37*	
		For >250 To 500, Deduct	*-9.23*	
		For >500, Deduct	*-13.10*	

06 05 23 00-0128 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0107)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0129	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	11.85	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.82*	
06 05 23 00-0130	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.05	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-4.09*	
		For >500, Deduct	*-5.84*	
06 05 23 00-0131	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.26	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.10*	
		For >500, Deduct	*-5.86*	
06 05 23 00-0132	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	13.13	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.36*	
06 05 23 00-0133	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.35	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.79*	
		For >500, Deduct	*-6.84*	
06 05 23 00-0134	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.68	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.82*	
		For >500, Deduct	*-6.88*	
06 05 23 00-0135	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.17	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.34*	
		For >250 To 500, Deduct	*-5.83*	
		For >500, Deduct	*-8.31*	
06 05 23 00-0136	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.50	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.80*	
06 05 23 00-0137	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.76	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.85*	
		For >500, Deduct	*-6.92*	
06 05 23 00-0138	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	15.96	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.19*	
		For >500, Deduct	*-7.41*	
06 05 23 00-0139	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.55	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 500, Deduct	*-5.56*	
		For >500, Deduct	*-7.93*	
06 05 23 00-0140	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.59	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.29*	
		For >500, Deduct	*-8.96*	
06 05 23 00-0141	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.70	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.18*	
		For >250 To 500, Deduct	*-7.27*	
		For >500, Deduct	*-10.36*	
06 05 23 00-0142	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.47	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.98*	
		For >500, Deduct	*-11.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0143	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.13	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.11*	
06 05 23 00-0144	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.33	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.47*	
		For >500, Deduct	*-10.63*	
06 05 23 00-0145	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.67	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.97*	
		For >500, Deduct	*-11.32*	
06 05 23 00-0146	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	34.70	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-8.85*	
		For >500, Deduct	*-12.55*	
06 05 23 00-0147	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.05	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-9.42*	
		For >500, Deduct	*-13.35*	

06 05 23 00-0148 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0107)*

06 05 23 00-0149	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	12.18	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.10*	
		For >500, Deduct	*-5.85*	
06 05 23 00-0150	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	12.63	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.90*	
06 05 23 00-0151	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	13.85	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.22*	
		For >500, Deduct	*-6.02*	
06 05 23 00-0152	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.16	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.53*	
		For >500, Deduct	*-6.46*	
06 05 23 00-0153	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	15.74	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.90*	
		For >500, Deduct	*-6.98*	
06 05 23 00-0154	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	16.52	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.96*	
		For >500, Deduct	*-7.06*	
06 05 23 00-0155	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	30.08	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-9.50*	
06 05 23 00-0156	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	40.47	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.74*	
		For >500, Deduct	*-10.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0157	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	16.64	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-4.99*	
		For >500, Deduct	*-7.11*	
06 05 23 00-0158	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	19.18	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-5.43*	
		For >500, Deduct	*-7.73*	
06 05 23 00-0159	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.90	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.96*	
		For >500, Deduct	*-8.47*	
06 05 23 00-0160	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	42.80	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.95*	
		For >500, Deduct	*-11.18*	
06 05 23 00-0161	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	57.16	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 250, Deduct	*-5.86*	
		For >250 To 500, Deduct	*-9.78*	
		For >500, Deduct	*-13.71*	
06 05 23 00-0162	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	66.29	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-6.58*	
		For >250 To 500, Deduct	*-10.97*	
		For >500, Deduct	*-15.35*	
06 05 23 00-0163	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	60.56	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-5.62*	
		For >250 To 500, Deduct	*-9.29*	
		For >500, Deduct	*-12.96*	
06 05 23 00-0164	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	69.30	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 500, Deduct	*-10.69*	
		For >500, Deduct	*-14.92*	
06 05 23 00-0165	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	72.15	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-11.16*	
		For >500, Deduct	*-15.57*	
06 05 23 00-0166	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	98.00	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-8.31*	
		For >250 To 500, Deduct	*-13.59*	
		For >500, Deduct	*-18.88*	
06 05 23 00-0167	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	106.58	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-8.87*	
		For >250 To 500, Deduct	*-14.49*	
		For >500, Deduct	*-20.11*	

06 05 23 00-0168 Supports *(06 05 23)*

06 05 23 00-0169 Shear Plates *(06 05 23 00-0168)*

06 05 23 00-0170	EA	2-5/8" Diameter, Shear Plate	8.90	3.43
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.79*	
		For >500, Deduct	*-3.98*	
06 05 23 00-0171	EA	4" Diameter, Shear Plate	10.78	3.61
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-4.30*	

06 05 23 00-0172 Sill Anchors *(06 05 23 00-0168)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0173	EA	Sill Anchor Embedded In Concrete	8.37	3.61
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-4.06*	
06 05 23 00-0174		**Spike Grids** *(06 05 23 00-0168)*		
06 05 23 00-0175	EA	4" x 4" Flat Or Curved Spike Grid	8.14	3.43
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.90*	
06 05 23 00-0176		**Split Rings** *(06 05 23 00-0168)*		
06 05 23 00-0177	EA	2-1/2" Diameter Split Ring	8.40	3.43
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.93*	
06 05 23 00-0178	EA	4" Diameter Split Ring	9.57	3.80
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-3.04*	
		For >500, Deduct	*-4.33*	
06 05 23 00-0179		**Toothed Rings** *(06 05 23 00-0168)*		
06 05 23 00-0180	EA	2-5/8" Or 4" Toothed Ring	9.39	3.43
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.03*	
06 05 23 00-0181		**Straps And Shields** *(06 05 23)*		
06 05 23 00-0182		**Shield Plate** *(06 05 23 00-0181)*		
06 05 23 00-0183	EA	5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	5.71	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.10*	
06 05 23 00-0184	EA	5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	8.52	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.49*	
06 05 23 00-0185		**Strap Ties** *(06 05 23 00-0181)*		
06 05 23 00-0186	EA	1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9)	2.42	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0187	EA	1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12)	2.47	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0188	EA	1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15)	3.24	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.86*	
06 05 23 00-0189	EA	1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18)	3.40	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0190	EA	1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21)	3.54	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.89*	
06 05 23 00-0191	EA	1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24)	4.15	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0192	EA	1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30)	4.53	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0193	EA	1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36)	5.38	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.28*	
06 05 23 00-0194	EA	1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9)	2.47	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0195	EA	1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12)	2.65	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.69*	
06 05 23 00-0196	EA	1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15)	3.36	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0197	EA	1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18)	3.57	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.89*	
06 05 23 00-0198	EA	1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21)	3.77	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.91*	
06 05 23 00-0199	EA	1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24)	4.45	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0200	EA	1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30)	4.76	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0201	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36)	5.74	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.32*	
06 05 23 00-0202	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49)	7.37	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.59*	
06 05 23 00-0203	EA	1-1/4"" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9)	2.72	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.70*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0204	EA	1-1/4"" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	2.94	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.72*	
06 05 23 00-0205	EA	1-1/4"" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	3.93	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.92*	
06 05 23 00-0206	EA	1-1/4"" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22)	5.07	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.15*	
06 05 23 00-0207	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	3.36	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0208	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	3.54	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.78*	
06 05 23 00-0209	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	4.77	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.01*	
06 05 23 00-0210	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	8.29	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0211	EA	2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	11.11	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.86*	
06 05 23 00-0212	EA	2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	14.60	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.31*	
06 05 23 00-0213	EA	2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	20.94	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-3.05*	
06 05 23 00-0214	EA	2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	26.85	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.75*	
06 05 23 00-0215	EA	3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	8.85	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0216	EA	3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	11.93	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.94*	
06 05 23 00-0217	EA	3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	14.83	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0218	EA	3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	21.38	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-3.10*	

06 05 23 00-0219 Twist Strap Ties *(06 05 23 00-0181)*

06 05 23 00-0220	EA	1-1/4"" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	3.02	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.73*	
06 05 23 00-0221	EA	1-1/4"" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12)	3.43	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.77*	
06 05 23 00-0222	EA	1-1/4"" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18)	4.60	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.99*	
06 05 23 00-0223	EA	1-1/4"" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22)	5.47	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.19*	

06 05 23 00-0224 Retrofit Plate Strap *(06 05 23 00-0181)*

06 05 23 00-0225	EA	1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	4.14	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.95*	
06 05 23 00-0226	EA	1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	4.53	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.98*	
06 05 23 00-0227	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28)	5.13	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.04*	

06 05 23 00-0228 Stud Shoe *(06 05 23 00-0181)*

06 05 23 00-0229	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5)	7.36	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.38*	
06 05 23 00-0230	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5)	10.84	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.72*	
06 05 23 00-0231	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3)	10.75	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0232	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5)	15.15	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-2.15*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0233	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5)	16.95	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.33*	
06 05 23 00-0234	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	20.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.72*	
06 05 23 00-0235	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3)	20.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.72*	
06 05 23 00-0236	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3)	20.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.72*	

06 05 23 00-0237 Nail Stops *(06 05 23 00-0181)*

06 05 23 00-0238	EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1)	2.28	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.65*	
06 05 23 00-0239	EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2)	2.58	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.68*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	422.76	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	119.17	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	3.88	1.59
		For Each Additional 2" x_" In The Built Up Member, Add	*0.73*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	4.87	1.86
		For Each Additional 2" x_" In The Built Up Member, Add	*1.04*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	6.25	2.24
		For Each Additional 2" x_" In The Built Up Member, Add	*1.45*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	3.88	1.59
		For Each Additional 2" x_" In The Built Up Member, Add	*0.73*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	4.87	1.86
		For Each Additional 2" x_" In The Built Up Member, Add	*1.04*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	6.25	2.24
		For Each Additional 2" x_" In The Built Up Member, Add	*1.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16		**Mechanically Graded Lumber** *(06 11)*		
06 11 16 00-0001		Rafters And Joists *(06 11 16)*		
06 11 16 00-0002		Rafters *(06 11 16 00-0001)*		
		Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF	2" x 6" Wood Rafter	2.22	1.12
06 11 16 00-0004	LF	2" x 8" Wood Rafter	2.63	1.22
06 11 16 00-0005	LF	2" x 10" Wood Rafter	3.77	1.77
06 11 16 00-0006	LF	2" x 12" Wood Rafter	4.36	1.96
06 11 16 00-0007	LF	2" x 14" Wood Rafter	4.74	2.15
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	2.65	1.12
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.22	1.22
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	4.35	1.77
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	5.24	1.96
06 11 16 00-0012		Joists *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	1.95	0.93
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.44	1.02
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	3.12	1.31
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	3.71	1.49
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	4.09	1.59
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.38	0.93
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.03	1.02
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	3.70	1.31
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	4.59	1.49
06 11 16 00-0022		Purlins *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.56	0.56
06 11 16 00-0024	LF	2" x 6" Wood Purlin	1.97	0.62
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.40	0.68
06 11 16 00-0026	LF	2" x 10" Wood Purlin	2.93	0.75
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	1.82	0.56
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.40	0.62
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	2.99	0.68
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.51	0.75
06 11 16 00-0031		Exposed Rafters Or Joists *(06 11 16 00-0001)*		
06 11 16 00-0032		Redwood Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.03	0.93
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.69	1.02
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.61	1.31
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	5.59	1.49
06 11 16 00-0037		Cedar Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	1.96	0.93
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	2.19	1.02
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.52	1.31
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	2.84	1.49
06 11 16 00-0042		Oak Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.40	0.93
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	3.30	1.02
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	4.29	1.31
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	5.29	1.49
06 11 16 00-0047		Framing *(06 11 16)*		
06 11 16 00-0048		Partition Framing *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.51	0.75
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	1.85	0.79
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.21	0.84
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	1.77	0.75
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.28	0.79
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	2.80	0.84
06 11 16 00-0055		Wall Framing Assemblies By The SF *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" Wood Wall Framing At 12" On Center	1.96	0.90
		For Up To 200, Add	*0.66*	
		For >200 To 500, Add	*0.33*	
06 11 16 00-0058	SF	2" x 6" Wood Wall Framing At 12" On Center	2.64	1.16
		For Up To 200, Add	*0.87*	
		For >200 To 500, Add	*0.43*	
06 11 16 00-0059	SF	2" x 8" Wood Wall Framing At 12" On Center	3.54	1.54
		For Up To 200, Add	*1.16*	
		For >200 To 500, Add	*0.58*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" Wood Wall Framing At 16" On Center	1.59	0.73
		For Up To 200, Add	*0.53*	
		For >200 To 500, Add	*0.27*	
06 11 16 00-0062	SF	2" x 6" Wood Wall Framing At 16" On Center	2.20	0.96
		For Up To 200, Add	*0.72*	
		For >200 To 500, Add	*0.36*	
06 11 16 00-0063	SF	2" x 8" Wood Wall Framing At 16" On Center	2.94	1.29
		For Up To 200, Add	*0.97*	
		For >200 To 500, Add	*0.48*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" Wood Wall Framing At 24" On Center	1.25	0.57
		For Up To 200, Add	*0.42*	
		For >200 To 500, Add	*0.21*	
06 11 16 00-0066	SF	2" x 6" Wood Wall Framing At 24" On Center	1.72	0.75
		For Up To 200, Add	*0.56*	
		For >200 To 500, Add	*0.28*	
06 11 16 00-0067	SF	2" x 8" Wood Wall Framing At 24" On Center	2.31	1.00
		For Up To 200, Add	*0.76*	
		For >200 To 500, Add	*0.38*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	2.54	1.40
06 11 16 00-0071	LF	2" x 6" Wood Sill	3.06	1.59
06 11 16 00-0072	LF	2" x 8" Wood Sill	3.67	1.77
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	2.80	1.40
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	3.49	1.59
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	4.26	1.77
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	2.54	1.40
06 11 16 00-0078	LF	2" x 6" Wood Plate	3.06	1.59
06 11 16 00-0079	LF	2" x 8" Wood Plate	3.65	1.77
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	2.80	1.40
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	3.49	1.59
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	4.24	1.77
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	4.11	1.59
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	5.35	1.77
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	6.49	1.96
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	7.84	2.15
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	4.87	1.59
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	6.49	1.77
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	8.42	1.96
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	10.13	2.15
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	2.06	1.22
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	2.26	1.31
06 11 16 00-0097	LF	2" x 2" Wood Suspended Ceiling Framing	2.46	1.40
06 11 16 00-0098	LF	2" x 4" Wood Suspended Ceiling Framing	2.90	1.59
06 11 16 00-0099	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.28	1.22

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0100	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.25	1.31
06 11 16 00-0101	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.69	1.40
06 11 16 00-0102	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.12	1.59
06 11 16 00-0103		Posts And Girts *(06 11 16)*		
06 11 16 00-0104		Posts *(06 11 16 00-0103)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0105	LF	4" x 4" Wood Post	3.56	1.77
06 11 16 00-0106	LF	4" x 5" Wood Post	4.06	2.06
06 11 16 00-0107	LF	4" x 6" Wood Post	4.48	2.24
06 11 16 00-0108	LF	6" x 6" Wood Post	4.98	2.42
06 11 16 00-0109	LF	8" x 8" Wood Post	5.48	2.52
06 11 16 00-0110	LF	10" x 10" Wood Post	5.98	2.90
06 11 16 00-0111	LF	4" x 4" Pressure Treated Wood Post	4.47	1.77
06 11 16 00-0112	LF	4" x 6" Pressure Treated Wood Post	5.78	2.24
06 11 16 00-0113	LF	6" x 6" Pressure Treated Wood Post	7.33	2.42
06 11 16 00-0114		Girts *(06 11 16 00-0103)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0115	LF	2" x 4" Wood Girt	1.79	0.67
06 11 16 00-0116	LF	2" x 6" Wood Girt	2.21	0.74
06 11 16 00-0117	LF	2" x 8" Wood Girt	2.66	0.81
06 11 16 00-0118	LF	2" x 10" Wood Girt	3.23	0.89
06 11 16 00-0119	LF	4" x 4" Wood Girt	3.46	1.35
06 11 16 00-0120	LF	4" x 5" Wood Girt	3.96	1.51
06 11 16 00-0121	LF	4" x 6" Wood Girt	4.46	1.68
06 11 16 00-0122	LF	6" x 6" Wood Girt	4.96	1.84
06 11 16 00-0123	LF	8" x 8" Wood Girt	5.47	2.02
06 11 16 00-0124	LF	10" x 10" Wood Girt	5.97	2.19
06 11 16 00-0125	LF	2" x 4" Pressure Treated Wood Girt	2.05	0.67
06 11 16 00-0126	LF	2" x 6" Pressure Treated Wood Girt	2.64	0.74
06 11 16 00-0127	LF	2" x 8" Pressure Treated Wood Girt	3.25	0.81
06 11 16 00-0128	LF	2" x 10" Pressure Treated Wood Girt	3.81	0.89
06 11 16 00-0129	LF	4" x 4" Pressure Treated Wood Girt	4.47	1.35
06 11 16 00-0130	LF	4" x 6" Pressure Treated Wood Girt	5.78	1.68
06 11 16 00-0131	LF	6" x 6" Pressure Treated Wood Girt	7.33	1.84
06 11 16 00-0132		Construction Grade/Rough Redwood Posts *(06 11 16 00-0103)*		
06 11 16 00-0133	LF	4" x 4" Redwood, Construction Grade/Rough Post	6.12	1.77
		For Smooth "Clear", Add	*0.69*	
06 11 16 00-0134	LF	4" x 5" Redwood, Construction Grade/Rough Post	7.31	2.06
		For Smooth "Clear", Add	*0.86*	
06 11 16 00-0135	LF	4" x 6" Redwood, Construction Grade/Rough Post	8.53	2.24
		For Smooth "Clear", Add	*1.03*	
06 11 16 00-0136	LF	4" x 8" Redwood, Construction Grade/Rough Post	10.39	2.30
		For Smooth "Clear", Add	*1.38*	
06 11 16 00-0137	LF	4" x 10" Redwood, Construction Grade/Rough Post	12.33	2.45
		For Smooth "Clear", Add	*1.72*	
06 11 16 00-0138	LF	6" x 6" Redwood, Construction Grade/Rough Post	11.45	2.42
		For Smooth "Clear", Add	*1.55*	
06 11 16 00-0139	LF	6" x 8" Redwood, Construction Grade/Rough Post	14.18	2.52
		For Smooth "Clear", Add	*2.07*	
06 11 16 00-0140	LF	6" x 10" Redwood, Construction Grade/Rough Post	16.86	2.36
		For Smooth "Clear", Add	*2.58*	
06 11 16 00-0141	LF	8" x 8" Redwood, Construction Grade/Rough Post	17.82	2.52
		For Smooth "Clear", Add	*2.76*	
06 11 16 00-0142		Stair Stringers *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0143	LF	2" x 10" Wood Stair Stringer	7.01	3.73
06 11 16 00-0144	LF	2" x 12" Wood Stair Stringer	8.31	4.39
06 11 16 00-0145	LF	2" x 10" Pressure Treated Wood Stair Stringer	7.62	3.73
06 11 16 00-0146	LF	2" x 12" Pressure Treated Wood Stair Stringer	9.17	4.39
06 11 16 00-0147		Blocking *(06 11 16)*		
06 11 16 00-0148		Blocking *(06 11 16 00-0147)*		
06 11 16 00-0149		Blocking To Wood *(06 11 16 00-0148)*		
06 11 16 00-0150	LF	2" x 4" Pressure Treated Wood Blocking To Wood	5.48	2.24
06 11 16 00-0151	LF	2" x 6" Pressure Treated Wood Blocking To Wood	6.61	2.46
06 11 16 00-0152	LF	2" x 8" Pressure Treated Wood Blocking To Wood	7.58	2.70
06 11 16 00-0153	LF	4" x 4" Pressure Treated Wood Blocking To Wood	8.87	2.98
06 11 16 00-0154	LF	4" x 6" Pressure Treated Wood Blocking To Wood	9.52	3.27
06 11 16 00-0155	LF	2" x 4" Wood Blocking To Wood	4.92	2.24
06 11 16 00-0156	LF	2" x 6" Wood Blocking To Wood	5.66	2.46

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0157	LF	2" x 8" Wood Blocking To Wood	6.46	2.70
06 11 16 00-0158	LF	4" x 4" Wood Blocking To Wood	6.85	2.98
06 11 16 00-0159	LF	4" x 6" Wood Blocking To Wood	7.68	3.27
06 11 16 00-0160		Blocking To Steel *(06 11 16 00-0148)*		
06 11 16 00-0161	LF	2" x 4" Pressure Treated Wood Blocking To Steel	6.27	2.57
06 11 16 00-0162	LF	2" x 6" Pressure Treated Wood Blocking To Steel	7.50	2.84
06 11 16 00-0163	LF	2" x 8" Pressure Treated Wood Blocking To Steel	8.62	3.12
06 11 16 00-0164	LF	2" x 4" Wood Blocking To Steel	5.64	2.57
06 11 16 00-0165	LF	2" x 6" Wood Blocking To Steel	6.46	2.84
06 11 16 00-0166	LF	2" x 8" Wood Blocking To Steel	7.38	3.12
06 11 16 00-0167		Blocking To Concrete *(06 11 16 00-0148)*		
06 11 16 00-0168	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	6.27	2.57
06 11 16 00-0169	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	7.50	2.84
06 11 16 00-0170	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	8.62	3.12
06 11 16 00-0171	LF	2" x 4" Wood Blocking To Concrete	5.64	2.57
06 11 16 00-0172	LF	2" x 6" Wood Blocking To Concrete	6.46	2.84
06 11 16 00-0173	LF	2" x 8" Wood Blocking To Concrete	7.38	3.12
06 11 16 00-0174		Pressure Treated Lattice *(06 11 16 00-0147)*		
06 11 16 00-0175	SF	3/4" Thick Pressure Treated Wood Lattice	5.85	1.96
06 11 16 00-0176		Roofing Nailers *(06 11 16)*		
06 11 16 00-0177	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	2.85	0.75
06 11 16 00-0178	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	3.40	0.79
06 11 16 00-0179	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	3.96	0.84
06 11 16 00-0180		Roofing Sleepers *(06 11 16)*		
06 11 16 00-0181	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.40	
06 11 16 00-0182	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	3.15	
06 11 16 00-0183	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	4.10	
06 11 16 00-0184	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	5.49	
06 11 16 00-0185		Canopy Framing, Bridging, And Furring *(06 11 16)*		
06 11 16 00-0186		Wood And Steel Bridging *(06 11 16 00-0185)*		
06 11 16 00-0187		Wood Bridging *(06 11 16 00-0186)*		
06 11 16 00-0188	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	7.56	3.26
06 11 16 00-0189	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	7.80	3.26
06 11 16 00-0190		Steel Bridging *(06 11 16 00-0186)*		
06 11 16 00-0191	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	8.55	3.26
06 11 16 00-0192	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	8.53	3.26
06 11 16 00-0193		Light Framing, Trim And Furring *(06 11 16 00-0185)*		
06 11 16 00-0194		Pine/Spruce/Fir Light Framing, Trim And Furring *(06 11 16 00-0193)*		
06 11 16 00-0195	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.67	0.77
06 11 16 00-0196	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.88	0.84
06 11 16 00-0197	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.16	0.92
06 11 16 00-0198	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.42	1.01
06 11 16 00-0199	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.68	1.12
06 11 16 00-0200	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.97	1.24
06 11 16 00-0201	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.44	1.01
06 11 16 00-0202	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.72	1.12
06 11 16 00-0203	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.19	1.24
06 11 16 00-0204	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.75	1.36
06 11 16 00-0205	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.42	1.49
06 11 16 00-0206		Cedar Light Framing, Trim And Furring *(06 11 16 00-0193)*		
06 11 16 00-0207	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.69	0.77
06 11 16 00-0208	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.00	0.84
06 11 16 00-0209	LF	1" x 4" Cedar Light Framing, Trim And Furring	2.63	0.92
06 11 16 00-0210	LF	1" x 6" Cedar Light Framing, Trim And Furring	3.22	1.01
06 11 16 00-0211	LF	1" x 8" Cedar Light Framing, Trim And Furring	4.79	1.12
06 11 16 00-0212	LF	1" x 10" Cedar Light Framing, Trim And Furring	5.65	1.24
06 11 16 00-0213	LF	2" x 2" Cedar Light Framing, Trim And Furring	2.74	1.01

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0214	LF	2" x 4" Cedar Light Framing, Trim And Furring	3.17	1.12
06 11 16 00-0215		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0216	LF	1" x 1" Oak Light Framing, Trim And Furring	1.70	0.77
06 11 16 00-0217	LF	1" x 2" Oak Light Framing, Trim And Furring	2.02	0.84
06 11 16 00-0218	LF	1" x 4" Oak Light Framing, Trim And Furring	2.51	0.92
06 11 16 00-0219	LF	1" x 6" Oak Light Framing, Trim And Furring	3.05	1.01
06 11 16 00-0220	LF	1" x 8" Oak Light Framing, Trim And Furring	3.58	1.12
06 11 16 00-0221	LF	1" x 10" Oak Light Framing, Trim And Furring	4.14	1.24
06 11 16 00-0222	LF	2" x 2" Oak Light Framing, Trim And Furring	2.71	1.01
06 11 16 00-0223	LF	2" x 4" Oak Light Framing, Trim And Furring	3.59	1.12
06 11 16 00-0224		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0225	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.65	0.77
06 11 16 00-0226	LF	1" x 2" Redwood Light Framing, Trim And Furring	1.93	0.84
06 11 16 00-0227	LF	1" x 4" Redwood Light Framing, Trim And Furring	2.35	0.92
06 11 16 00-0228	LF	1" x 6" Redwood Light Framing, Trim And Furring	2.85	1.01
06 11 16 00-0229	LF	1" x 8" Redwood Light Framing, Trim And Furring	3.37	1.12
06 11 16 00-0230	LF	1" x 10" Redwood Light Framing, Trim And Furring	3.95	1.24
06 11 16 00-0231	LF	2" x 2" Redwood Light Framing, Trim And Furring	2.86	1.01
06 11 16 00-0232	LF	2" x 4" Redwood Light Framing, Trim And Furring	3.39	1.12
06 11 16 00-0233		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0234	LF	1" x 1" Poplar Light Framing, Trim And Furring	1.93	0.77
06 11 16 00-0235	LF	1" x 2" Poplar Light Framing, Trim And Furring	2.37	0.84
06 11 16 00-0236	LF	1" x 4" Poplar Light Framing, Trim And Furring	2.98	0.92
06 11 16 00-0237	LF	1" x 6" Poplar Light Framing, Trim And Furring	3.82	1.01
06 11 16 00-0238	LF	1" x 8" Poplar Light Framing, Trim And Furring	4.44	1.12
06 11 16 00-0239	LF	1" x 10" Poplar Light Framing, Trim And Furring	5.86	1.24
06 11 16 00-0240	LF	1" x 12" Poplar Light Framing, Trim And Furring	6.34	1.24
06 11 16 00-0241	LF	2" x 2" Poplar Light Framing, Trim And Furring	5.03	1.01
06 11 16 00-0242	LF	2" x 4" Poplar Light Framing, Trim And Furring	5.63	1.12
06 11 16 00-0243	LF	2" x 6" Poplar Light Framing, Trim And Furring	7.54	1.24
06 11 16 00-0244		**Maple Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0245	LF	1" x 4" Maple Light Framing, Trim And Furring	4.21	0.92
06 11 16 00-0246	LF	1" x 6" Maple Light Framing, Trim And Furring	5.72	1.01
06 11 16 00-0247	LF	1" x 8" Maple Light Framing, Trim And Furring	7.26	1.12
06 11 16 00-0248		**Platform Edging** *(06 11 16)* Note: Includes bolting to concrete surface.		
06 11 16 00-0249	LF	1" Wood Platform Edging, Including Bolts	16.05	5.73
06 11 16 00-0250	LF	2" Wood Platform Edging, Including Bolts	22.57	6.68

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	4.70	1.65
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	5.54	1.72
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	6.38	1.79
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	8.05	1.92
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	9.42	2.03
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	6.83	1.86
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	8.03	1.96
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	10.53	2.10
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	12.34	2.15
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	9.62	2.03
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	12.64	2.10
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	15.10	2.15
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	14.93	2.15
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	18.07	2.33
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	21.22	2.56

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	4.84	1.65
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	5.75	1.72
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	6.66	1.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	8.47	1.92
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	9.95	2.03
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	7.14	1.86
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	8.44	1.96
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	11.16	2.10
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	13.15	2.15
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	10.17	2.03
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	13.48	2.10
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	16.17	2.15
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	15.98	2.15
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	19.39	2.33
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	22.82	2.56
06 13 23 00-0035		**Pressure Treated, Heavy Timber Beams** *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	4.64	1.65
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	5.57	1.72
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	6.38	1.79
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	8.05	1.92
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	9.42	2.03
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	6.82	1.86
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	7.18	1.96
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	10.17	2.10
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	12.14	2.15
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	12.14	2.03
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	13.89	2.10
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	16.13	2.15
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	16.19	2.15
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	20.97	2.33
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	24.72	2.56
06 13 23 00-0051		**Heavy Timber Columns** *(06 13 23 00-0001)*		
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	3.13	0.87
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	3.92	0.92
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	4.68	0.94
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	6.24	1.00
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	7.50	1.06
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	5.08	0.97
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	6.21	1.01
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	8.54	1.10
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	10.30	1.13
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	7.70	1.06
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	10.65	1.10
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	13.02	1.16
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	12.85	1.16
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	15.86	1.23
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	18.79	1.35
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	3.27	0.87
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	4.13	0.92
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	4.96	0.94
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	6.66	1.00
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	8.03	1.06
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	5.39	0.97
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	6.62	1.01
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	9.17	1.10
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	11.11	1.13
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	8.25	1.06
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	11.49	1.10
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	14.09	1.16
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	13.90	1.16
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	17.18	1.23
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	20.39	1.35
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	3.07	0.87
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	3.95	0.92
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	4.68	0.94
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	6.24	1.00
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	7.50	1.06
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	5.07	0.97
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	5.36	1.01
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	8.18	1.10
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	10.10	1.13
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	10.22	1.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	11.90	1.10
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	14.05	1.16
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	14.11	1.16
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	18.76	1.23
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	22.29	1.35

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	33.31	5.84
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	32.50	5.55
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	34.71	5.99
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	33.96	5.69

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	34.55	5.99
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	33.72	5.69
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	35.99	6.14
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	35.20	5.82

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	33.31	5.84
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	32.50	5.55
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	34.71	5.99
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	33.96	5.69

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	36.55	5.84
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	35.90	5.68
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.78	5.99
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	37.79	5.69

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	39.64	5.99
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	38.97	5.69
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.08	6.14
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.09	5.82

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	37.86	5.84
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	37.20	5.55
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.16	5.99
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.22	5.69

06 15 13 00-0034 Wood Ramp Systems *(06 15 13)*
Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.

06 15 13 00-0035 Pressure Treated Wood Ramp System *(06 15 13 00-0034)*

06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*

06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	37.97	5.69
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.88	5.41
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	39.48	5.84
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.42	5.55

06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*

06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.29	5.84
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	38.19	5.55
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	40.86	5.99
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.79	5.69

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.66	5.98
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	39.55	5.69
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	42.28	6.14
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.18	5.82
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	41.02	5.69
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	40.07	5.41
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	43.31	5.84
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	42.02	5.55
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	42.53	5.84
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	41.59	5.55
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	44.93	5.99
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	43.62	5.69
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	45.77	5.98
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	44.80	5.69
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.38	6.14
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.74	5.82
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	39.05	5.69
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.01	5.41
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	40.65	5.84
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	39.65	5.55
06 15 13 00-0073		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	40.44	5.84
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.39	5.55
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	42.11	5.99
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	41.09	5.69
06 15 13 00-0078		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.91	5.98
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.83	5.69
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	43.60	6.14
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	42.57	5.82
06 15 13 00-0083		Wood Stair Systems *(06 15 13)* Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084		Pressure Treated Wood Stair System *(06 15 13 00-0083)*		
06 15 13 00-0085		2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	107.79	14.01
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	106.29	13.32
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	111.36	14.38
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	109.16	13.66
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	113.17	14.71
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	111.62	13.98
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	116.93	15.09
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	114.62	14.34
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	118.65	15.45
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	117.00	14.68
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	122.57	15.85
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	120.15	15.06
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.57	16.22
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	124.93	15.41
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.78	16.64
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.31	15.81

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0102		**2" x 12" Joists, Pressure Treated Wood Stair System** *(06 15 13 00-0084)*		
06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	109.94	14.37
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	107.79	13.65
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	113.75	14.73
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	111.58	13.99
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	115.44	15.09
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	113.18	14.34
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	119.44	15.47
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	117.15	14.69
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	121.03	15.84
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	118.65	15.05
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	125.21	16.24
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	122.81	15.43
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.07	16.63
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	126.66	15.81
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.57	17.06
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.13	16.20
06 15 13 00-0119		**Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0083)*		
06 15 13 00-0120		**2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0119)*		
06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	125.84	14.01
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	124.17	13.32
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.53	14.38
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.90	13.66
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.12	14.71
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.39	13.98
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.06	15.09
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	135.35	14.34
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.45	15.45
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.62	14.68
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.61	15.85
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.80	15.06
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.35	16.22
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.52	15.41
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.92	16.64
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.12	15.81
06 15 13 00-0137		**2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0119)*		
06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	122.67	14.37
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	120.97	13.65
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	127.00	14.73
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	125.44	13.99
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	128.80	15.09
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	127.02	14.34
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.34	15.47
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.71	14.69
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.99	15.84
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.10	15.05
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.74	16.24
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.03	15.43
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.44	16.63
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.56	15.81
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.56	17.06
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.87	16.20
06 15 13 00-0154		**Wood Deck And Ramp Systems Repairs** *(06 15 13)* Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155		**Deck Joist Or Girt** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156		**Deck Boards** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	1.82	0.72
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.02	0.85
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	1.92	0.85
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	2.56	0.98
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	3.31	1.18
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	4.08	1.44
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	5.05	1.70
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	2.15	0.85
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	2.80	0.98
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	2.37	0.85
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	3.13	0.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0168		**Deck Posts** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169		**Deck Railing And Pickets** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	1.92	0.85
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.33	0.65
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	2.15	0.85
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	1.63	0.65
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	2.37	0.85
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	1.79	0.65

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001		**Board Type Subflooring** *(06 16 23)*		
06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	2.34	0.75
		For Water Resistant Coating Or Treatment, Add	*0.04*	
		For Foil Backing, Add	*0.07*	
		For Tongue And Groove, Add	*0.05*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	2.65	0.93
		For Water Resistant Coating Or Treatment, Add	*0.04*	
		For Foil Backing, Add	*0.07*	
		For Tongue And Groove, Add	*0.05*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	2.22	0.65
		For Water Resistant Coating Or Treatment, Add	*0.04*	
		For Foil Backing, Add	*0.07*	
		For Tongue And Groove, Add	*0.05*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	2.44	0.75
		For Water Resistant Coating Or Treatment, Add	*0.04*	
		For Foil Backing, Add	*0.07*	
		For Tongue And Groove, Add	*0.05*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001		**Plywood** *(06 16 33)*		
06 16 33 00-0002		**Roof Decking** *(06 16 33 00-0001)*		
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.67	0.47
		For Shear Wall Construction, Add	*0.22*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.22*	
		For ACQ Preservative Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.64*	
		For Fire Retardant Treatment, Add	*0.46*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.90	0.56
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For ACQ Preservative Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.80*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.16	0.56
		For Shear Wall Construction, Add	*0.26*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For ACQ Preservative Treatment, Add	*0.42*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.94*	
		For Fire Retardant Treatment, Add	*0.69*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	2.40	0.65
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For ACQ Preservative Treatment, Add	*0.48*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.80*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.19*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking	2.88	0.75
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.30*	
		For Exterior CC Grade Plywood, Add	*0.20*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.30*	
		For ACQ Preservative Treatment, Add	*0.65*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.28*	
		For Fire Retardant Treatment, Add	*1.07*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.24*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	1.96	0.65
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For Ceiling Installation, Add	*0.14*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.45*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	1.99	0.65
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For Ceiling Installation, Add	*0.14*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.47*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.04	0.75
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For Ceiling Installation, Add	*0.14*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	2.31	0.75
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.30*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.30*	
		For Ceiling Installation, Add	*0.15*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.24*	
		For Fire Retardant Treatment, Add	*0.65*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.59	0.84
		For Shear Wall Construction, Add	*0.32*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.32*	
		For Ceiling Installation, Add	*0.16*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.40*	
		For Fire Retardant Treatment, Add	*0.78*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.85	0.93
		For Shear Wall Construction, Add	*0.34*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.34*	
		For Ceiling Installation, Add	*0.17*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.58*	
		For Fire Retardant Treatment, Add	*0.89*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0015		Floor Decking *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.48	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.58*	
		For Fire Retardant Treatment, Add	*0.34*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.10*	
		For ACQ Preservative Treatment, Add	*0.21*	
		For Fir Plywood, Add	*0.08*	
		For BC Grade Plywood, Add	*0.06*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.34*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.57	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.65*	
		For Fire Retardant Treatment, Add	*0.37*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For ACQ Preservative Treatment, Add	*0.23*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.37*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.79	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.76*	
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.30*	
		For Fir Plywood, Add	*0.11*	
		For BC Grade Plywood, Add	*0.09*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.49*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.04	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.92*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Fir Plywood, Add	*0.14*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.32	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.03*	
		For Fire Retardant Treatment, Add	*0.77*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.47*	
		For Fir Plywood, Add	*0.18*	
		For BC Grade Plywood, Add	*0.14*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.76*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.43	0.84
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.40*	
		For Fire Retardant Treatment, Add	*1.45*	
		For >1,696 To 3,200, Deduct	*-0.11*	
		For >3,200 To 6,400, Deduct	*-0.16*	
		For >6,400 To 12,800, Deduct	*-0.24*	
		For >12,800, Deduct	*-0.30*	
		For ACQ Preservative Treatment, Add	*0.88*	
		For Fir Plywood, Add	*0.34*	
		For BC Grade Plywood, Add	*0.27*	
		For Exterior Glue, Add	*0.17*	
		For Marine Grade, Add	*1.43*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.17	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.76*	
		For Fire Retardant Treatment, Add	*0.79*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.48*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.78*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.46	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.92*	
		For Fire Retardant Treatment, Add	*0.93*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.57*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.92*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.62	0.56
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.03*	
		For Fire Retardant Treatment, Add	*1.00*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.22*	
		For ACQ Preservative Treatment, Add	*0.61*	
		For Exterior Glue, Add	*0.12*	
		For Marine Grade, Add	*0.99*	
		For Tongue And Groove, Add	*0.09*	

06 16 33 00-0025 Underlayment Grade Subfloor *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade Subfloor	1.58	0.56
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.11*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade Subfloor	1.70	0.56
		For Fire Retardant Treatment, Add	*0.44*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade Subfloor	1.77	0.65
		For Fire Retardant Treatment, Add	*0.48*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade Subfloor	2.01	0.65
		For Fire Retardant Treatment, Add	*0.57*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade Subfloor	2.16	0.65
		For Fire Retardant Treatment, Add	*0.69*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade Subfloor	2.78	0.75
		For Fire Retardant Treatment, Add	*1.05*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0032	SF	3/8" Thick Plywood CDX Grade Subfloor	1.82	0.56
		For Fire Retardant Treatment, Add	*0.54*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0033	SF	5/8" Thick Plywood CDX Grade Subfloor	2.31	0.65
		For Fire Retardant Treatment, Add	*0.81*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0034		Oriented Strand Board *(06 16 33)*		
06 16 33 00-0035		On Roof *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board On Roof	1.55	0.56
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.64*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board On Roof	1.74	0.56
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
		For Fire Retardant Treatment, Add	*0.43*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.80*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board On Roof	2.07	0.65
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.62*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.94*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board On Roof	2.43	0.65
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.82*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.09*	
06 16 33 00-0040		On Walls *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board On Walls	1.85	0.65
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.09*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board On Walls	2.03	0.75
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.43*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board On Walls	2.38	0.84
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.62*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.40*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board On Walls	2.76	0.84
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.82*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.58*	
06 16 33 00-0045		On Floors *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board On Floors	1.58	0.56
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.68*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board On Floors	1.89	0.65
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.43*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.03*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board On Floors	2.24	0.75
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.62*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.19*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board On Floors	2.64	0.84
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.82*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.40*	
06 16 33 00-0050		Particle Board *(06 16 33)*		
06 16 33 00-0051		Particle Board Floor Decking *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	1.42	0.47
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.25*	
		For >1,536 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For Tongue And Groove, Add	*0.02*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	1.61	0.47
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.35*	
		For >1,536 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Tongue And Groove, Add	*0.03*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	1.78	0.56
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.43*	
		For >1,536 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	1.95	0.56
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 43		**Gypsum Sheathing** *(06 16)*			
06 16 43 00-0001		Exterior Gypsum Sheathing *(06 16 43)*			
		Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.			
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)		2.31	0.75
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.30*		
		For Ceiling Installation, Add	*0.15*		
		For >1,696 To 3,200, Deduct	*-0.05*		
		For >3,200 To 6,400, Deduct	*-0.07*		
		For >6,400 To 12,800, Deduct	*-0.13*		
		For >12,800, Deduct	*-0.17*		
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.24*		
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)		2.49	0.93
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.32*		
		For Ceiling Installation, Add	*0.16*		
		For >1,696 To 3,200, Deduct	*-0.05*		
		For >3,200 To 6,400, Deduct	*-0.08*		
		For >6,400 To 12,800, Deduct	*-0.14*		
		For >12,800, Deduct	*-0.19*		
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.40*		
06 17		Shop-Fabricated Structural Wood *(06 10)*			
06 17 13		**Laminated Veneer Lumber** *(06 17)*			
06 17 13 00-0001		Laminated Veneer Lumber (LVL) *(06 17 13)*			
06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)		6.41	1.61
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)		7.03	1.64
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)		7.74	1.66
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)		8.64	1.69
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)		9.33	1.72
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)		10.28	1.78
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)		11.64	1.81
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)		15.92	2.06
06 17 23		**Parallel Strand Lumber** *(06 17)*			
06 17 23 00-0001		Laminated Strand Lumber (LSL) *(06 17 23)*			
06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)		2.21	0.75
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)		2.99	0.79
06 17 33		**Wood I-Joists** *(06 17)*			
06 17 33 00-0001		Prefabricated Wood I-Joists *(06 17 33)*			
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length		3.92	1.02
		For I-Joists 30' To 40' In Length, Add	*0.45*		
		For I-Joists >40' In Length, Add	*1.10*		
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length		4.22	1.14
		For I-Joists 30' To 40' In Length, Add	*0.50*		
		For I-Joists >40' In Length, Add	*1.23*		
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length		4.95	1.28
		For I-Joists 30' To 40' In Length, Add	*0.56*		
		For I-Joists >40' In Length, Add	*1.38*		
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length		5.58	1.42
		For I-Joists 30' To 40' In Length, Add	*0.63*		
		For I-Joists >40' In Length, Add	*1.54*		
06 17 43		**Rim Boards** *(06 17)*			
06 17 43 00-0001		Oriented Strand Board (OSB) Rim Board *(06 17 43)*			
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board		5.21	1.66
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board		5.69	1.69
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board		6.28	1.72
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*			
06 17 53 00-0001		Pre-Assembled Wood Roof Trusses *(06 17 53)*			
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.			
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope		154.23	59.80
		For Up To 15, Add	*2.60*		
		For >35, Deduct	*-1.73*		
		For 3 In 12 Slope, Add	*1.04*		
		For 5 In 12 Slope, Add	*2.77*		
		For 6 In 12 Slope, Add	*5.19*		
		For 7 In 12 Slope, Add	*6.92*		
		For 8 In 12 Slope, Add	*8.31*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	171.42	65.50
		For Up To 15, Add	*3.03*	
		For >35, Deduct	*-2.02*	
		For 3 In 12 Slope, Add	*1.21*	
		For 5 In 12 Slope, Add	*3.23*	
		For 6 In 12 Slope, Add	*6.06*	
		For 7 In 12 Slope, Add	*8.08*	
		For 8 In 12 Slope, Add	*9.70*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	191.03	71.20
		For Up To 15, Add	*3.65*	
		For >35, Deduct	*-2.43*	
		For 3 In 12 Slope, Add	*1.46*	
		For 5 In 12 Slope, Add	*3.89*	
		For 6 In 12 Slope, Add	*7.30*	
		For 7 In 12 Slope, Add	*9.73*	
		For 8 In 12 Slope, Add	*11.67*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	217.00	76.89
		For Up To 15, Add	*4.74*	
		For >35, Deduct	*-3.16*	
		For 3 In 12 Slope, Add	*1.90*	
		For 5 In 12 Slope, Add	*5.06*	
		For 6 In 12 Slope, Add	*9.48*	
		For 7 In 12 Slope, Add	*12.64*	
		For 8 In 12 Slope, Add	*15.17*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	239.31	82.59
		For Up To 15, Add	*5.56*	
		For >35, Deduct	*-3.71*	
		For 3 In 12 Slope, Add	*2.22*	
		For 5 In 12 Slope, Add	*5.93*	
		For 6 In 12 Slope, Add	*11.12*	
		For 7 In 12 Slope, Add	*14.83*	
		For 8 In 12 Slope, Add	*17.79*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	251.49	91.14
		For Up To 15, Add	*5.19*	
		For >35, Deduct	*-3.46*	
		For 3 In 12 Slope, Add	*2.08*	
		For 5 In 12 Slope, Add	*5.54*	
		For 6 In 12 Slope, Add	*10.38*	
		For 7 In 12 Slope, Add	*13.84*	
		For 8 In 12 Slope, Add	*16.61*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	264.89	145.24
		For Up To 15, Add	*5.34*	
		For >35, Deduct	*-3.56*	
		For 3 In 12 Slope, Add	*2.14*	
		For 5 In 12 Slope, Add	*5.70*	
		For 6 In 12 Slope, Add	*10.69*	
		For 7 In 12 Slope, Add	*14.25*	
		For 8 In 12 Slope, Add	*17.10*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	282.33	102.53
		For Up To 15, Add	*5.80*	
		For >35, Deduct	*-3.86*	
		For 3 In 12 Slope, Add	*2.32*	
		For 5 In 12 Slope, Add	*6.18*	
		For 6 In 12 Slope, Add	*11.59*	
		For 7 In 12 Slope, Add	*15.46*	
		For 8 In 12 Slope, Add	*18.55*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	300.41	162.33
		For Up To 15, Add	*6.30*	
		For >35, Deduct	*-4.20*	
		For 3 In 12 Slope, Add	*2.52*	
		For 5 In 12 Slope, Add	*6.72*	
		For 6 In 12 Slope, Add	*12.60*	
		For 7 In 12 Slope, Add	*16.79*	
		For 8 In 12 Slope, Add	*20.15*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	319.37	113.91
		For Up To 15, Add	*6.87*	
		For >35, Deduct	*-4.58*	
		For 3 In 12 Slope, Add	*2.75*	
		For 5 In 12 Slope, Add	*7.32*	
		For 6 In 12 Slope, Add	*13.73*	
		For 7 In 12 Slope, Add	*18.31*	
		For 8 In 12 Slope, Add	*21.97*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	333.67	179.42
		For Up To 15, Add	*7.08*	
		For >35, Deduct	*-4.72*	
		For 3 In 12 Slope, Add	*2.83*	
		For 5 In 12 Slope, Add	*7.56*	
		For 6 In 12 Slope, Add	*14.17*	
		For 7 In 12 Slope, Add	*18.89*	
		For 8 In 12 Slope, Add	*22.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	348.80	122.46
		For Up To 15, Add	*7.79*	
		For >35, Deduct	*-5.19*	
		For 3 In 12 Slope, Add	*3.12*	
		For 5 In 12 Slope, Add	*8.31*	
		For 6 In 12 Slope, Add	*15.58*	
		For 7 In 12 Slope, Add	*20.78*	
		For 8 In 12 Slope, Add	*24.93*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	380.88	192.29
		For Up To 15, Add	*9.34*	
		For >35, Deduct	*-6.23*	
		For 3 In 12 Slope, Add	*3.74*	
		For 5 In 12 Slope, Add	*9.96*	
		For 6 In 12 Slope, Add	*18.68*	
		For 7 In 12 Slope, Add	*24.91*	
		For 8 In 12 Slope, Add	*29.89*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	396.37	131.00
		For Up To 15, Add	*10.08*	
		For >35, Deduct	*-6.72*	
		For 3 In 12 Slope, Add	*4.03*	
		For 5 In 12 Slope, Add	*10.75*	
		For 6 In 12 Slope, Add	*20.15*	
		For 7 In 12 Slope, Add	*26.87*	
		For 8 In 12 Slope, Add	*32.25*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	416.94	205.05
		For Up To 15, Add	*10.77*	
		For >35, Deduct	*-7.18*	
		For 3 In 12 Slope, Add	*4.31*	
		For 5 In 12 Slope, Add	*11.48*	
		For 6 In 12 Slope, Add	*21.53*	
		For 7 In 12 Slope, Add	*28.71*	
		For 8 In 12 Slope, Add	*34.45*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	431.40	142.39
		For Up To 15, Add	*11.00*	
		For >35, Deduct	*-7.33*	
		For 3 In 12 Slope, Add	*4.40*	
		For 5 In 12 Slope, Add	*11.73*	
		For 6 In 12 Slope, Add	*21.99*	
		For 7 In 12 Slope, Add	*29.32*	
		For 8 In 12 Slope, Add	*35.19*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	473.79	222.14
		For Up To 15, Add	*13.32*	
		For >35, Deduct	*-8.88*	
		For 3 In 12 Slope, Add	*5.33*	
		For 5 In 12 Slope, Add	*14.21*	
		For 6 In 12 Slope, Add	*26.64*	
		For 7 In 12 Slope, Add	*35.52*	
		For 8 In 12 Slope, Add	*42.63*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	515.35	153.79
		For Up To 15, Add	*15.58*	
		For >35, Deduct	*-10.39*	
		For 3 In 12 Slope, Add	*6.23*	
		For 5 In 12 Slope, Add	*16.62*	
		For 6 In 12 Slope, Add	*31.17*	
		For 7 In 12 Slope, Add	*41.55*	
		For 8 In 12 Slope, Add	*49.86*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	533.44	159.48
		For Up To 15, Add	*16.09*	
		For >35, Deduct	*-10.72*	
		For 3 In 12 Slope, Add	*6.43*	
		For 5 In 12 Slope, Add	*17.16*	
		For 6 In 12 Slope, Add	*32.17*	
		For 7 In 12 Slope, Add	*42.89*	
		For 8 In 12 Slope, Add	*51.47*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	559.61	165.18
		For Up To 15, Add	*17.19*	
		For >35, Deduct	*-11.46*	
		For 3 In 12 Slope, Add	*6.88*	
		For 5 In 12 Slope, Add	*18.34*	
		For 6 In 12 Slope, Add	*34.39*	
		For 7 In 12 Slope, Add	*45.85*	
		For 8 In 12 Slope, Add	*55.02*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	635.20	170.88
		For Up To 15, Add	*22.01*	
		For >35, Deduct	*-14.67*	
		For 3 In 12 Slope, Add	*8.80*	
		For 5 In 12 Slope, Add	*23.48*	
		For 6 In 12 Slope, Add	*44.02*	
		For 7 In 12 Slope, Add	*58.69*	
		For 8 In 12 Slope, Add	*70.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	604.22	153.68
		For Up To 15, Add	*19.69*	
		For >35, Deduct	*-13.12*	
		For 3 In 12 Slope, Add	*7.87*	
		For 5 In 12 Slope, Add	*21.00*	
		For 6 In 12 Slope, Add	*39.37*	
		For 7 In 12 Slope, Add	*52.49*	
		For 8 In 12 Slope, Add	*62.99*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	633.97	179.42
		For Up To 15, Add	*20.64*	
		For >35, Deduct	*-13.76*	
		For 3 In 12 Slope, Add	*8.25*	
		For 5 In 12 Slope, Add	*22.01*	
		For 6 In 12 Slope, Add	*41.27*	
		For 7 In 12 Slope, Add	*55.03*	
		For 8 In 12 Slope, Add	*66.03*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	658.90	166.31
		For Up To 15, Add	*21.65*	
		For >35, Deduct	*-14.43*	
		For 3 In 12 Slope, Add	*8.66*	
		For 5 In 12 Slope, Add	*23.09*	
		For 6 In 12 Slope, Add	*43.30*	
		For 7 In 12 Slope, Add	*57.73*	
		For 8 In 12 Slope, Add	*69.28*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	680.61	187.97
		For Up To 15, Add	*22.85*	
		For >35, Deduct	*-15.23*	
		For 3 In 12 Slope, Add	*9.14*	
		For 5 In 12 Slope, Add	*24.38*	
		For 6 In 12 Slope, Add	*45.70*	
		For 7 In 12 Slope, Add	*60.94*	
		For 8 In 12 Slope, Add	*73.13*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	694.57	190.81
		For Up To 15, Add	*23.47*	
		For >35, Deduct	*-15.65*	
		For 3 In 12 Slope, Add	*9.39*	
		For 5 In 12 Slope, Add	*25.04*	
		For 6 In 12 Slope, Add	*46.94*	
		For 7 In 12 Slope, Add	*62.59*	
		For 8 In 12 Slope, Add	*75.11*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	158.62	59.80
		For 3 In 12 Slope, Add	*1.17*	
		For 5 In 12 Slope, Add	*3.12*	
		For 6 In 12 Slope, Add	*5.85*	
		For 7 In 12 Slope, Add	*7.80*	
		For 8 In 12 Slope, Add	*9.36*	
		For 16" On Center Gable Studs, Add	*7.80*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	176.57	65.50
		For 3 In 12 Slope, Add	*1.37*	
		For 5 In 12 Slope, Add	*3.65*	
		For 6 In 12 Slope, Add	*6.84*	
		For 7 In 12 Slope, Add	*9.11*	
		For 8 In 12 Slope, Add	*10.94*	
		For 16" On Center Gable Studs, Add	*9.11*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	197.22	71.20
		For 3 In 12 Slope, Add	*1.64*	
		For 5 In 12 Slope, Add	*4.39*	
		For 6 In 12 Slope, Add	*8.22*	
		For 7 In 12 Slope, Add	*10.97*	
		For 8 In 12 Slope, Add	*13.16*	
		For 16" On Center Gable Studs, Add	*10.97*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	225.04	76.89
		For 3 In 12 Slope, Add	*2.14*	
		For 5 In 12 Slope, Add	*5.70*	
		For 6 In 12 Slope, Add	*10.69*	
		For 7 In 12 Slope, Add	*14.25*	
		For 8 In 12 Slope, Add	*17.10*	
		For 16" On Center Gable Studs, Add	*14.25*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	248.74	82.59
		For 3 In 12 Slope, Add	*2.51*	
		For 5 In 12 Slope, Add	*6.68*	
		For 6 In 12 Slope, Add	*12.53*	
		For 7 In 12 Slope, Add	*16.71*	
		For 8 In 12 Slope, Add	*20.05*	
		For 16" On Center Gable Studs, Add	*16.71*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	270.19	91.14
		For 3 In 12 Slope, Add	*2.64*	
		For 5 In 12 Slope, Add	*7.03*	
		For 6 In 12 Slope, Add	*13.19*	
		For 7 In 12 Slope, Add	*17.58*	
		For 8 In 12 Slope, Add	*21.10*	
		For 16" On Center Gable Studs, Add	*17.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	284.13	96.83
		For 3 In 12 Slope, Add	*2.71*	
		For 5 In 12 Slope, Add	*7.24*	
		For 6 In 12 Slope, Add	*13.57*	
		For 7 In 12 Slope, Add	*18.10*	
		For 8 In 12 Slope, Add	*21.72*	
		For 16" On Center Gable Studs, Add	*18.10*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	303.20	102.53
		For 3 In 12 Slope, Add	*2.94*	
		For 5 In 12 Slope, Add	*7.85*	
		For 6 In 12 Slope, Add	*14.72*	
		For 7 In 12 Slope, Add	*19.63*	
		For 8 In 12 Slope, Add	*23.56*	
		For 16" On Center Gable Studs, Add	*19.63*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	323.09	108.23
		For 3 In 12 Slope, Add	*3.20*	
		For 5 In 12 Slope, Add	*8.53*	
		For 6 In 12 Slope, Add	*16.00*	
		For 7 In 12 Slope, Add	*21.33*	
		For 8 In 12 Slope, Add	*25.60*	
		For 16" On Center Gable Studs, Add	*21.33*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	344.10	113.91
		For 3 In 12 Slope, Add	*3.49*	
		For 5 In 12 Slope, Add	*9.30*	
		For 6 In 12 Slope, Add	*17.44*	
		For 7 In 12 Slope, Add	*23.25*	
		For 8 In 12 Slope, Add	*27.90*	
		For 16" On Center Gable Studs, Add	*23.25*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	360.21	119.61
		For 3 In 12 Slope, Add	*3.63*	
		For 5 In 12 Slope, Add	*9.68*	
		For 6 In 12 Slope, Add	*18.15*	
		For 7 In 12 Slope, Add	*24.20*	
		For 8 In 12 Slope, Add	*29.04*	
		For 16" On Center Gable Studs, Add	*24.20*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	378.00	122.46
		For 3 In 12 Slope, Add	*3.99*	
		For 5 In 12 Slope, Add	*10.65*	
		For 6 In 12 Slope, Add	*19.96*	
		For 7 In 12 Slope, Add	*26.62*	
		For 8 In 12 Slope, Add	*31.94*	
		For 16" On Center Gable Studs, Add	*26.62*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	415.87	128.15
		For 3 In 12 Slope, Add	*4.79*	
		For 5 In 12 Slope, Add	*12.76*	
		For 6 In 12 Slope, Add	*23.93*	
		For 7 In 12 Slope, Add	*31.91*	
		For 8 In 12 Slope, Add	*38.29*	
		For 16" On Center Gable Studs, Add	*31.91*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	434.13	131.00
		For 3 In 12 Slope, Add	*5.16*	
		For 5 In 12 Slope, Add	*13.77*	
		For 6 In 12 Slope, Add	*25.82*	
		For 7 In 12 Slope, Add	*34.42*	
		For 8 In 12 Slope, Add	*41.31*	
		For 16" On Center Gable Studs, Add	*34.42*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	457.27	136.70
		For 3 In 12 Slope, Add	*5.52*	
		For 5 In 12 Slope, Add	*14.71*	
		For 6 In 12 Slope, Add	*27.58*	
		For 7 In 12 Slope, Add	*36.77*	
		For 8 In 12 Slope, Add	*44.13*	
		For 16" On Center Gable Studs, Add	*36.77*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	484.43	142.39
		For 3 In 12 Slope, Add	*5.99*	
		For 5 In 12 Slope, Add	*15.97*	
		For 6 In 12 Slope, Add	*29.95*	
		For 7 In 12 Slope, Add	*39.93*	
		For 8 In 12 Slope, Add	*47.91*	
		For 16" On Center Gable Studs, Add	*39.93*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	538.04	148.09
		For 3 In 12 Slope, Add	*7.26*	
		For 5 In 12 Slope, Add	*19.35*	
		For 6 In 12 Slope, Add	*36.28*	
		For 7 In 12 Slope, Add	*48.37*	
		For 8 In 12 Slope, Add	*58.05*	
		For 16" On Center Gable Studs, Add	*48.37*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	590.51	153.79
		For 3 In 12 Slope, Add	*8.49*	
		For 5 In 12 Slope, Add	*22.63*	
		For 6 In 12 Slope, Add	*42.44*	
		For 7 In 12 Slope, Add	*56.59*	
		For 8 In 12 Slope, Add	*67.90*	
		For 16" On Center Gable Studs, Add	*56.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	611.01	159.48
		For 3 In 12 Slope, Add	*8.76*	
		For 5 In 12 Slope, Add	*23.36*	
		For 6 In 12 Slope, Add	*43.81*	
		For 7 In 12 Slope, Add	*58.41*	
		For 8 In 12 Slope, Add	*70.09*	
		For 16" On Center Gable Studs, Add	*58.41*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	642.53	165.18
		For 3 In 12 Slope, Add	*9.37*	
		For 5 In 12 Slope, Add	*24.97*	
		For 6 In 12 Slope, Add	*46.83*	
		For 7 In 12 Slope, Add	*62.43*	
		For 8 In 12 Slope, Add	*74.92*	
		For 16" On Center Gable Studs, Add	*62.43*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	699.96	170.88
		For 3 In 12 Slope, Add	*10.75*	
		For 5 In 12 Slope, Add	*28.66*	
		For 6 In 12 Slope, Add	*53.73*	
		For 7 In 12 Slope, Add	*71.64*	
		For 8 In 12 Slope, Add	*85.97*	
		For 16" On Center Gable Studs, Add	*71.64*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	716.12	176.57
		For 3 In 12 Slope, Add	*10.89*	
		For 5 In 12 Slope, Add	*29.04*	
		For 6 In 12 Slope, Add	*54.45*	
		For 7 In 12 Slope, Add	*72.60*	
		For 8 In 12 Slope, Add	*87.12*	
		For 16" On Center Gable Studs, Add	*72.60*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	739.36	179.42
		For 3 In 12 Slope, Add	*11.42*	
		For 5 In 12 Slope, Add	*30.44*	
		For 6 In 12 Slope, Add	*57.08*	
		For 7 In 12 Slope, Add	*76.11*	
		For 8 In 12 Slope, Add	*91.33*	
		For 16" On Center Gable Studs, Add	*76.11*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	769.45	185.12
		For 3 In 12 Slope, Add	*11.98*	
		For 5 In 12 Slope, Add	*31.94*	
		For 6 In 12 Slope, Add	*59.88*	
		For 7 In 12 Slope, Add	*79.84*	
		For 8 In 12 Slope, Add	*95.81*	
		For 16" On Center Gable Studs, Add	*79.84*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	797.30	187.97
		For 3 In 12 Slope, Add	*12.64*	
		For 5 In 12 Slope, Add	*33.71*	
		For 6 In 12 Slope, Add	*63.21*	
		For 7 In 12 Slope, Add	*84.28*	
		For 8 In 12 Slope, Add	*101.13*	
		For 16" On Center Gable Studs, Add	*84.28*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	814.42	190.81
		For 3 In 12 Slope, Add	*12.98*	
		For 5 In 12 Slope, Add	*34.62*	
		For 6 In 12 Slope, Add	*64.92*	
		For 7 In 12 Slope, Add	*86.56*	
		For 8 In 12 Slope, Add	*103.87*	
		For 16" On Center Gable Studs, Add	*86.56*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	8.12	2.46
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	10.14	3.07
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	12.17	3.69
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	12.84	3.89
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	14.19	4.30
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	16.22	4.92
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	18.26	5.53
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	18.92	5.74
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	20.29	6.15
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	21.62	6.57
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	22.30	6.77
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	24.32	7.39
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	26.35	8.00
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	28.38	8.62
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	30.41	9.23
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	12.75	3.87
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	15.94	4.84
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	19.12	5.80
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	20.18	6.13
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	22.30	6.77
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	25.48	7.73

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	28.67	8.70
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	29.74	9.03
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	31.86	9.67
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	33.98	10.31
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	35.05	10.64
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	38.23	11.60
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	41.42	12.57
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	44.61	13.53
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	47.80	14.50
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	50.99	15.47
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	23.47	7.12
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	24.75	7.51
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	27.37	8.30
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	31.28	9.49
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	35.20	10.67
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	36.49	11.07
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	39.10	11.87
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	41.71	12.65
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	43.01	13.04
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	46.92	14.24
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	50.83	15.42
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	54.75	16.61
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	58.64	17.79
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	62.55	18.99
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	30.41	9.23
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	32.10	9.74
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	35.47	10.76
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	40.54	12.30
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	45.62	13.84
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	47.30	14.35
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	50.68	15.38
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	54.06	16.41
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	55.76	16.91
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	60.82	18.45
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	65.89	19.98
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	70.96	21.53
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	76.03	23.06
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	81.09	24.61

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	4.19	1.60
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	4.31	1.60
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	4.41	1.51

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	12.36	3.26
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	13.93	3.63
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	26.16	7.74
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	28.75	8.12

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	2.15	0.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	2.23	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	2.65	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	2.89	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0007 White Pine *(06 22 13 00-0006)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	9.02	3.24
		For Birch, Add	*1.58*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.44*	
		For Poplar, Add	*0.88*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
		For Stain Grade Material (No Finger Joints), Add	*0.57*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	11.83	3.89
		For Birch, Add	*2.26*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.38*	
		For Poplar, Add	*1.25*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
		For Stain Grade Material (No Finger Joints), Add	*0.82*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	5.02	2.22
		For Birch, Add	*0.47*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.96*	
		For Poplar, Add	*0.26*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	5.49	2.22
		For Birch, Add	*0.64*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.17*	
		For Poplar, Add	*0.36*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
		For Stain Grade Material (No Finger Joints), Add	*0.23*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	7.10	2.78
		For Birch, Add	*0.89*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.57*	
		For Poplar, Add	*0.49*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
		For Stain Grade Material (No Finger Joints), Add	*0.32*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	7.89	2.78
		For Birch, Add	*1.17*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.93*	
		For Poplar, Add	*0.65*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	9.72	3.34
		For Birch, Add	*1.50*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.43*	
		For Poplar, Add	*0.83*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
		For Stain Grade Material (No Finger Joints), Add	*0.54*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	5.14	2.59
		For Birch, Add	*0.51*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.01*	
		For Poplar, Add	*0.29*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
		For Stain Grade Material (No Finger Joints), Add	*0.19*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	4.19	1.95
		For Birch, Add	*0.51*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.91*	
		For Poplar, Add	*0.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.18*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	5.69	1.95
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.59*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	2.60	1.12
		For Birch, Add	*0.24*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.49*	
		For Poplar, Add	*0.13*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Stain Grade Material (No Finger Joints), Add	*0.09*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	2.76	1.12
		For Birch, Add	*0.30*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.57*	
		For Poplar, Add	*0.17*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Stain Grade Material (No Finger Joints), Add	*0.11*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	3.57	1.39
		For Birch, Add	*0.45*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.80*	
		For Poplar, Add	*0.25*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.16*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	3.57	1.39
		For Birch, Add	*0.45*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.80*	
		For Poplar, Add	*0.25*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	4.33	1.39
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.14*	
		For Poplar, Add	*0.40*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.26*	
06 22 13 00-0023	LF	7-1/2" Wide Mullion Covers	23.15	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
06 22 13 00-0024	LF	Three Piece Mullion Trim, 2 Cove Moldings	28.93	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	

06 22 13 00-0025 Cedar Trim *(06 22 13 00-0006)*

06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	8.87	4.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	

06 22 13 00-0027 Oak Trim *(06 22 13 00-0006)*

06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	8.89	4.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	

06 22 13 00-0029 Closet Poles *(06 22 13)*

06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	6.58	2.41
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	8.63	2.41
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	10.95	2.68

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*

Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	4.39	1.68
		For Waterproof Glue, Add	*0.04*	
		For Ceiling Installation, Add	*1.15*	
		For Glue Laminated Installation, Add	*0.22*	
		For 1/8" Thick Paneling, Deduct	*-0.36*	
		For 1/2" Thick Paneling, Add	*0.77*	
		For 5/8" Thick Paneling, Add	*0.89*	
		For 3/4" Thick Paneling, Add	*1.04*	
		For Fire Retardant Treatment (Class I), Add	*0.45*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	5.00	2.06
		For Waterproof Glue, Add	*0.04*	
		For Ceiling Installation, Add	*1.34*	
		For Glue Laminated Installation, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.40*	
		For 1/2" Thick Paneling, Add	*0.82*	
		For 5/8" Thick Paneling, Add	*0.93*	
		For 3/4" Thick Paneling, Add	*1.07*	
		For Fire Retardant Treatment (Class I), Add	*0.41*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	4.77	1.68
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.15*	
		For Glue Laminated Installation, Add	*0.24*	
		For 1/8" Thick Paneling, Deduct	*-0.43*	
		For 1/2" Thick Paneling, Add	*0.97*	
		For 5/8" Thick Paneling, Add	*1.17*	
		For 3/4" Thick Paneling, Add	*1.43*	
		For Fire Retardant Treatment (Class I), Add	*0.75*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	5.12	2.06
		For Waterproof Glue, Add	*0.04*	
		For Ceiling Installation, Add	*1.34*	
		For Glue Laminated Installation, Add	*0.26*	
		For 1/8" Thick Paneling, Deduct	*-0.42*	
		For 1/2" Thick Paneling, Add	*0.88*	
		For 5/8" Thick Paneling, Add	*1.02*	
		For 3/4" Thick Paneling, Add	*1.19*	
		For Fire Retardant Treatment (Class I), Add	*0.51*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	4.27	1.68
		For Waterproof Glue, Add	*0.03*	
		For Glue Laminated Installation, Add	*0.21*	
		For Lumber Core, Add	*0.05*	
		For Fire Retardant Treatment (Class I), Add	*0.36*	

06 40 Architectural Woodwork *(06)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Wood-Veneer Faced Cabinets *(06 41 13)*

Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.

06 41 13 00-0002 Base Cabinets *(06 41 13 00-0001)*

Note: Excludes tops or finish.

06 41 13 00-0003 Base Cabinets, Single Drawer And Single Door *(06 41 13 00-0002)*

06 41 13 00-0004 Base Cabinets 34-1/2" High x 24" Deep *(06 41 13 00-0003)*

06 41 13 00-0005	EA	Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet	272.28	52.82
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*39.39*	
		For 3 Drawer Unit, Add	*78.78*	
		For 4 Drawer Unit, Add	*98.48*	
		For Plastic Laminate On Particle Board, Deduct	*-39.39*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.70*	
		For Economy Grade, Deduct	*-78.78*	
		For Premium Grade, Add	*98.48*	
		For Laboratory Grade, Add	*128.02*	
		For Unfinished (Natural, Wood), Deduct	*-29.54*	
06 41 13 00-0006	EA	>15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet	302.92	64.87
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*42.11*	
		For 3 Drawer Unit, Add	*84.22*	
		For 4 Drawer Unit, Add	*105.27*	
		For Plastic Laminate On Particle Board, Deduct	*-42.11*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.05*	
		For Economy Grade, Deduct	*-84.22*	
		For Premium Grade, Add	*105.27*	
		For Laboratory Grade, Add	*136.85*	
		For Unfinished (Natural, Wood), Deduct	*-31.58*	
06 41 13 00-0007	EA	>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet	326.38	74.14
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*44.15*	
		For 3 Drawer Unit, Add	*88.29*	
		For 4 Drawer Unit, Add	*110.37*	
		For Plastic Laminate On Particle Board, Deduct	*-44.15*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.07*	
		For Economy Grade, Deduct	*-88.29*	
		For Premium Grade, Add	*110.37*	
		For Laboratory Grade, Add	*143.47*	
		For Unfinished (Natural, Wood), Deduct	*-33.11*	
06 41 13 00-0008	EA	>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet	374.33	86.19
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*50.31*	
		For 3 Drawer Unit, Add	*100.62*	
		For 4 Drawer Unit, Add	*125.77*	
		For Plastic Laminate On Particle Board, Deduct	*-50.31*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-25.15*	
		For Economy Grade, Deduct	*-100.62*	
		For Premium Grade, Add	*125.77*	
		For Laboratory Grade, Add	*163.50*	
		For Unfinished (Natural, Wood), Deduct	*-37.73*	

06 41 13 00-0009 Base Cabinets 30" High x 24" Deep *(06 41 13 00-0003)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0010	EA	Up To 15" Width, 30" High x 24" Deep Base Cabinet	242.73	52.82
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*33.48*	
		For 3 Drawer Unit, Add	*66.96*	
		For 4 Drawer Unit, Add	*83.71*	
		For Plastic Laminate On Particle Board, Deduct	*-33.48*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.74*	
		For Economy Grade, Deduct	*-66.96*	
		For Premium Grade, Add	*83.71*	
		For Laboratory Grade, Add	*108.82*	
		For Unfinished (Natural, Wood), Deduct	*-25.11*	
06 41 13 00-0011	EA	>15" To 18" Width, 30" High x 24" Deep Base Cabinet	271.34	64.87
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*35.79*	
		For 3 Drawer Unit, Add	*71.58*	
		For 4 Drawer Unit, Add	*89.48*	
		For Plastic Laminate On Particle Board, Deduct	*-35.79*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.90*	
		For Economy Grade, Deduct	*-71.58*	
		For Premium Grade, Add	*89.48*	
		For Laboratory Grade, Add	*116.32*	
		For Unfinished (Natural, Wood), Deduct	*-26.84*	
06 41 13 00-0012	EA	>18" To 21" Width, 30" High x 24" Deep Base Cabinet	293.27	74.14
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*37.52*	
		For 3 Drawer Unit, Add	*75.05*	
		For 4 Drawer Unit, Add	*93.81*	
		For Plastic Laminate On Particle Board, Deduct	*-37.52*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.76*	
		For Economy Grade, Deduct	*-75.05*	
		For Premium Grade, Add	*93.81*	
		For Laboratory Grade, Add	*121.95*	
		For Unfinished (Natural, Wood), Deduct	*-28.14*	
06 41 13 00-0013	EA	>21" To 24" Width, 30" High x 24" Deep Base Cabinet	336.60	85.26
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*42.76*	
		For 3 Drawer Unit, Add	*85.52*	
		For 4 Drawer Unit, Add	*106.91*	
		For Plastic Laminate On Particle Board, Deduct	*-42.76*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.38*	
		For Economy Grade, Deduct	*-85.52*	
		For Premium Grade, Add	*106.91*	
		For Laboratory Grade, Add	*138.98*	
		For Unfinished (Natural, Wood), Deduct	*-32.07*	

06 41 13 00-0014 Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place *(06 41 13 00-0003)*

06 41 13 00-0015	LF	Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	252.09	65.80
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*31.51*	
		For 3 Drawer Unit, Add	*63.02*	
		For 4 Drawer Unit, Add	*78.78*	
		For Plastic Laminate On Particle Board, Deduct	*-31.51*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.76*	
		For Economy Grade, Deduct	*-63.02*	
		For Premium Grade, Add	*78.78*	
		For Laboratory Grade, Add	*102.41*	
		For Unfinished (Natural, Wood), Deduct	*-23.63*	
06 41 13 00-0016	LF	>15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	232.11	63.95
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*28.07*	
		For 3 Drawer Unit, Add	*56.14*	
		For 4 Drawer Unit, Add	*70.18*	
		For Plastic Laminate On Particle Board, Deduct	*-28.07*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-14.04*	
		For Economy Grade, Deduct	*-56.14*	
		For Premium Grade, Add	*70.18*	
		For Laboratory Grade, Add	*91.23*	
		For Unfinished (Natural, Wood), Deduct	*-21.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0017	LF	>18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	215.10	62.10
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*25.23*	
		For 3 Drawer Unit, Add	*50.45*	
		For 4 Drawer Unit, Add	*63.07*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-25.23*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.61*	
		For Economy Grade, Deduct	*-50.45*	
		For Premium Grade, Add	*63.07*	
		For Laboratory Grade, Add	*81.98*	
		For Unfinished (Natural, Wood), Deduct	*-18.92*	
06 41 13 00-0018	LF	>24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	198.89	59.31
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*22.73*	
		For 3 Drawer Unit, Add	*45.45*	
		For 4 Drawer Unit, Add	*56.82*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-22.73*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.36*	
		For Economy Grade, Deduct	*-45.45*	
		For Premium Grade, Add	*56.82*	
		For Laboratory Grade, Add	*73.86*	
		For Unfinished (Natural, Wood), Deduct	*-17.04*	
06 41 13 00-0019		Base Cabinets, Double Drawer And Double Door *(06 41 13 00-0002)*		
06 41 13 00-0020		34-1/2" High x 24" Deep *(06 41 13 00-0019)*		
06 41 13 00-0021	EA	24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	438.36	70.90
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*59.31*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-59.31*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-29.66*	
		For Economy Grade, Deduct	*-118.63*	
		For Premium Grade, Add	*148.29*	
		For Laboratory Grade, Add	*192.77*	
		For Unfinished (Natural, Wood), Deduct	*-44.49*	
		For 3 Drawer Unit, Add	*29.66*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-44.49*	
06 41 13 00-0022	EA	>27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	467.66	76.00
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*63.14*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-63.14*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-31.57*	
		For Economy Grade, Deduct	*-126.27*	
		For Premium Grade, Add	*157.84*	
		For Laboratory Grade, Add	*205.19*	
		For Unfinished (Natural, Wood), Deduct	*-47.35*	
		For 3 Drawer Unit, Add	*31.57*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-47.35*	
06 41 13 00-0023	EA	>30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	486.21	77.85
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*66.10*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-66.10*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-33.05*	
		For Economy Grade, Deduct	*-132.21*	
		For Premium Grade, Add	*165.26*	
		For Laboratory Grade, Add	*214.84*	
		For Unfinished (Natural, Wood), Deduct	*-49.58*	
		For 3 Drawer Unit, Add	*33.05*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-49.58*	
06 41 13 00-0024	EA	>33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	498.98	79.70
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*67.92*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-67.92*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-33.96*	
		For Economy Grade, Deduct	*-135.83*	
		For Premium Grade, Add	*169.79*	
		For Laboratory Grade, Add	*220.73*	
		For Unfinished (Natural, Wood), Deduct	*-50.94*	
		For 3 Drawer Unit, Add	*33.96*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-50.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0025	EA	>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet	534.59	86.19
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*72.44*	
		For Plastic Laminate On Particle Board, Deduct	*-72.44*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-36.22*	
		For Economy Grade, Deduct	*-144.89*	
		For Premium Grade, Add	*181.11*	
		For Laboratory Grade, Add	*235.44*	
		For Unfinished (Natural, Wood), Deduct	*-54.33*	
		For 3 Drawer Unit, Add	*36.22*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-54.33*	
06 41 13 00-0026	EA	>42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet	573.83	97.31
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*75.84*	
		For Plastic Laminate On Particle Board, Deduct	*-75.84*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-37.92*	
		For Economy Grade, Deduct	*-151.68*	
		For Premium Grade, Add	*189.60*	
		For Laboratory Grade, Add	*246.48*	
		For Unfinished (Natural, Wood), Deduct	*-56.88*	
		For 3 Drawer Unit, Add	*37.92*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-56.88*	
06 41 13 00-0027		30" High x 24" Deep *(06 41 13 00-0019)*		
06 41 13 00-0028	EA	24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet	312.64	96.01
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*34.96*	
		For Plastic Laminate On Particle Board, Deduct	*-34.96*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.48*	
		For Economy Grade, Deduct	*-69.92*	
		For Premium Grade, Add	*87.41*	
		For Laboratory Grade, Add	*113.63*	
		For Unfinished (Natural, Wood), Deduct	*-26.22*	
		For 3 Drawer Unit, Add	*17.48*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-26.22*	
06 41 13 00-0029	EA	30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet	432.96	107.03
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*56.21*	
		For Plastic Laminate On Particle Board, Deduct	*-56.21*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-28.10*	
		For Economy Grade, Deduct	*-112.42*	
		For Premium Grade, Add	*140.52*	
		For Laboratory Grade, Add	*182.68*	
		For Unfinished (Natural, Wood), Deduct	*-42.16*	
		For 3 Drawer Unit, Add	*28.10*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-42.16*	
06 41 13 00-0030	EA	36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet	496.63	110.93
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*67.37*	
		For Plastic Laminate On Particle Board, Deduct	*-67.37*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-33.68*	
		For Economy Grade, Deduct	*-134.74*	
		For Premium Grade, Add	*168.42*	
		For Laboratory Grade, Add	*218.95*	
		For Unfinished (Natural, Wood), Deduct	*-50.53*	
		For 3 Drawer Unit, Add	*33.68*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-50.53*	
06 41 13 00-0031	EA	42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet	588.75	120.66
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*83.27*	
		For Plastic Laminate On Particle Board, Deduct	*-83.27*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-41.64*	
		For Economy Grade, Deduct	*-166.54*	
		For Premium Grade, Add	*208.18*	
		For Laboratory Grade, Add	*270.63*	
		For Unfinished (Natural, Wood), Deduct	*-62.45*	
		For 3 Drawer Unit, Add	*41.64*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-62.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0032	EA	48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	667.81	136.23
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*94.64*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-94.64*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-47.32*	
		For Economy Grade, Deduct	*-189.28*	
		For Premium Grade, Add	*236.60*	
		For Laboratory Grade, Add	*307.57*	
		For Unfinished (Natural, Wood), Deduct	*-70.98*	
		For 3 Drawer Unit, Add	*47.32*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-70.98*	
06 41 13 00-0033		34-1/2" High x 24" Deep, Custom Built In Place *(06 41 13 00-0019)*		
06 41 13 00-0034	LF	24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	217.09	63.95
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*25.25*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-25.25*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.63*	
		For Economy Grade, Deduct	*-50.51*	
		For Premium Grade, Add	*63.14*	
		For Laboratory Grade, Add	*82.08*	
		For Unfinished (Natural, Wood), Deduct	*-18.94*	
		For 3 Drawer Unit, Add	*12.63*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-18.94*	
06 41 13 00-0035	LF	>30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	196.73	58.39
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*22.66*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-22.66*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.33*	
		For Economy Grade, Deduct	*-45.33*	
		For Premium Grade, Add	*56.66*	
		For Laboratory Grade, Add	*73.66*	
		For Unfinished (Natural, Wood), Deduct	*-17.00*	
		For 3 Drawer Unit, Add	*11.33*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-17.00*	
06 41 13 00-0036	LF	>36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	181.36	54.67
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*20.70*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-20.70*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.35*	
		For Economy Grade, Deduct	*-41.40*	
		For Premium Grade, Add	*51.76*	
		For Laboratory Grade, Add	*67.28*	
		For Unfinished (Natural, Wood), Deduct	*-15.53*	
		For 3 Drawer Unit, Add	*10.35*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-15.53*	
06 41 13 00-0037	LF	>42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	168.97	51.90
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*18.97*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-18.97*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.48*	
		For Economy Grade, Deduct	*-37.93*	
		For Premium Grade, Add	*47.42*	
		For Laboratory Grade, Add	*61.64*	
		For Unfinished (Natural, Wood), Deduct	*-14.22*	
		For 3 Drawer Unit, Add	*9.48*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-14.22*	
06 41 13 00-0038		Vanity Bases *(06 41 13 00-0002)*		
06 41 13 00-0039	EA	30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	347.87	68.95
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*42.01*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-42.01*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.00*	
		For Economy Grade, Deduct	*-84.02*	
		For Premium Grade, Add	*105.02*	
		For Laboratory Grade, Add	*136.53*	
		For Unfinished (Natural, Wood), Deduct	*-31.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0040	EA	30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	393.40	76.73
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*48.30*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-48.30*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-24.15*	
		For Economy Grade, Deduct	*-96.59*	
		For Premium Grade, Add	*120.74*	
		For Laboratory Grade, Add	*156.96*	
		For Unfinished (Natural, Wood), Deduct	*-36.22*	
06 41 13 00-0041	EA	30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	483.02	79.89
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*64.65*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-64.65*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-32.32*	
		For Economy Grade, Deduct	*-129.29*	
		For Premium Grade, Add	*161.62*	
		For Laboratory Grade, Add	*210.10*	
		For Unfinished (Natural, Wood), Deduct	*-48.48*	
06 41 13 00-0042	EA	30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	578.13	97.31
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*76.72*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-76.72*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-38.36*	
		For Economy Grade, Deduct	*-153.44*	
		For Premium Grade, Add	*191.80*	
		For Laboratory Grade, Add	*249.34*	
		For Unfinished (Natural, Wood), Deduct	*-57.54*	

06 41 13 00-0043 Wall Cabinets *(06 41 13 00-0001)*

06 41 13 00-0044 Wall Cabinets 36" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0045 Single Door Type Units *(06 41 13 00-0044)*

06 41 13 00-0046	EA	Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	236.39	66.72
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-30.60*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.30*	
		For Economy Grade, Deduct	*-61.20*	
		For Premium Grade, Add	*76.50*	
		For Laboratory Grade, Add	*99.44*	
		For Unfinished (Natural, Wood), Deduct	*-22.95*	
06 41 13 00-0047	EA	>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	263.53	68.11
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-35.67*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.83*	
		For Economy Grade, Deduct	*-71.34*	
		For Premium Grade, Add	*89.17*	
		For Laboratory Grade, Add	*115.92*	
		For Unfinished (Natural, Wood), Deduct	*-26.75*	
06 41 13 00-0048	EA	>18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	291.96	70.43
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-40.75*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.38*	
		For Economy Grade, Deduct	*-81.50*	
		For Premium Grade, Add	*101.88*	
		For Laboratory Grade, Add	*132.44*	
		For Unfinished (Natural, Wood), Deduct	*-30.56*	
06 41 13 00-0049	EA	>24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	340.19	76.00
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-48.90*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-24.45*	
		For Economy Grade, Deduct	*-97.80*	
		For Premium Grade, Add	*122.25*	
		For Laboratory Grade, Add	*158.93*	
		For Unfinished (Natural, Wood), Deduct	*-36.68*	

06 41 13 00-0050 Double Door Type Units *(06 41 13 00-0044)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0051	EA	Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet	302.44	77.85
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-40.81*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.41*	
		For Economy Grade, Deduct	*-81.62*	
		For Premium Grade, Add	*102.03*	
		For Laboratory Grade, Add	*132.63*	
		For Unfinished (Natural, Wood), Deduct	*-30.61*	
06 41 13 00-0052	EA	>24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet	353.30	85.26
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-49.44*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-24.72*	
		For Economy Grade, Deduct	*-98.88*	
		For Premium Grade, Add	*123.61*	
		For Laboratory Grade, Add	*160.69*	
		For Unfinished (Natural, Wood), Deduct	*-37.08*	
06 41 13 00-0053	EA	>30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet	391.29	87.11
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-56.51*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-28.25*	
		For Economy Grade, Deduct	*-113.01*	
		For Premium Grade, Add	*141.27*	
		For Laboratory Grade, Add	*183.64*	
		For Unfinished (Natural, Wood), Deduct	*-42.38*	
06 41 13 00-0054	EA	>36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet	422.86	90.36
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-61.94*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-30.97*	
		For Economy Grade, Deduct	*-123.88*	
		For Premium Grade, Add	*154.85*	
		For Laboratory Grade, Add	*201.31*	
		For Unfinished (Natural, Wood), Deduct	*-46.46*	
06 41 13 00-0055	EA	>42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet	467.91	94.53
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-69.82*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-34.91*	
		For Economy Grade, Deduct	*-139.64*	
		For Premium Grade, Add	*174.55*	
		For Laboratory Grade, Add	*226.91*	
		For Unfinished (Natural, Wood), Deduct	*-52.36*	

06 41 13 00-0056 Wall Cabinets 30" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0057 Single Door Type Units *(06 41 13 00-0056)*

06 41 13 00-0058	EA	Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet	186.65	52.70
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-24.00*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.00*	
		For Economy Grade, Deduct	*-47.99*	
		For Premium Grade, Add	*59.99*	
		For Laboratory Grade, Add	*77.99*	
		For Unfinished (Natural, Wood), Deduct	*-18.00*	
06 41 13 00-0059	EA	>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet	209.86	54.98
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-28.07*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-14.04*	
		For Economy Grade, Deduct	*-56.14*	
		For Premium Grade, Add	*70.18*	
		For Laboratory Grade, Add	*91.23*	
		For Unfinished (Natural, Wood), Deduct	*-21.05*	
06 41 13 00-0060	EA	>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet	226.08	56.14
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-31.01*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.51*	
		For Economy Grade, Deduct	*-62.03*	
		For Premium Grade, Add	*77.54*	
		For Laboratory Grade, Add	*100.80*	
		For Unfinished (Natural, Wood), Deduct	*-23.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0061	EA	>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet	243.30	58.13
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.96*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.98*	
		For Economy Grade, Deduct	*-67.92*	
		For Premium Grade, Add	*84.90*	
		For Laboratory Grade, Add	*110.36*	
		For Unfinished (Natural, Wood), Deduct	*-25.47*	
06 41 13 00-0062		Double Door Type Units *(06 41 13 00-0056)*		
06 41 13 00-0063	EA	Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet	266.36	59.37
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-38.26*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.13*	
		For Economy Grade, Deduct	*-76.52*	
		For Premium Grade, Add	*95.65*	
		For Laboratory Grade, Add	*124.35*	
		For Unfinished (Natural, Wood), Deduct	*-28.70*	
06 41 13 00-0064	EA	>27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet	282.93	60.84
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-41.20*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.60*	
		For Economy Grade, Deduct	*-82.40*	
		For Premium Grade, Add	*103.01*	
		For Laboratory Grade, Add	*133.91*	
		For Unfinished (Natural, Wood), Deduct	*-30.90*	
06 41 13 00-0065	EA	>30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet	314.21	62.31
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-47.09*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-23.54*	
		For Economy Grade, Deduct	*-94.18*	
		For Premium Grade, Add	*117.72*	
		For Laboratory Grade, Add	*153.04*	
		For Unfinished (Natural, Wood), Deduct	*-35.32*	
06 41 13 00-0066	EA	>36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet	338.70	63.76
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-51.62*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-25.81*	
		For Economy Grade, Deduct	*-103.23*	
		For Premium Grade, Add	*129.04*	
		For Laboratory Grade, Add	*167.75*	
		For Unfinished (Natural, Wood), Deduct	*-38.71*	
06 41 13 00-0067	EA	>42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet	372.46	64.50
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-58.18*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-29.09*	
		For Economy Grade, Deduct	*-116.36*	
		For Premium Grade, Add	*145.46*	
		For Laboratory Grade, Add	*189.09*	
		For Unfinished (Natural, Wood), Deduct	*-43.64*	
06 41 13 00-0068		Wall Cabinets 24" High x 13" Deep *(06 41 13 00-0043)*		
06 41 13 00-0069		Double Door Type Units *(06 41 13 00-0068)*		
06 41 13 00-0070	EA	Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet	232.98	48.19
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-34.41*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.21*	
		For Economy Grade, Deduct	*-68.82*	
		For Premium Grade, Add	*86.03*	
		For Laboratory Grade, Add	*111.83*	
		For Unfinished (Natural, Wood), Deduct	*-25.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0071	EA	>24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet	248.45	50.51
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-36.90*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.45*	
		For Economy Grade, Deduct	*-73.80*	
		For Premium Grade, Add	*92.25*	
		For Laboratory Grade, Add	*119.93*	
		For Unfinished (Natural, Wood), Deduct	*-27.68*	
06 41 13 00-0072	EA	>30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet	269.48	51.99
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-40.75*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.38*	
		For Economy Grade, Deduct	*-81.50*	
		For Premium Grade, Add	*101.88*	
		For Laboratory Grade, Add	*132.44*	
		For Unfinished (Natural, Wood), Deduct	*-30.56*	
06 41 13 00-0073	EA	>36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet	291.97	52.82
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-45.05*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.53*	
		For Economy Grade, Deduct	*-90.10*	
		For Premium Grade, Add	*112.63*	
		For Laboratory Grade, Add	*146.41*	
		For Unfinished (Natural, Wood), Deduct	*-33.79*	

06 41 13 00-0074 Wall Cabinets 15" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0075 Double Door Type Units *(06 41 13 00-0074)*

06 41 13 00-0076	EA	Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet	206.36	42.35
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.56*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.28*	
		For Economy Grade, Deduct	*-61.12*	
		For Premium Grade, Add	*76.41*	
		For Laboratory Grade, Add	*99.33*	
		For Unfinished (Natural, Wood), Deduct	*-22.92*	
06 41 13 00-0077	EA	>24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet	218.19	45.41
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-32.15*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.07*	
		For Economy Grade, Deduct	*-64.29*	
		For Premium Grade, Add	*80.37*	
		For Laboratory Grade, Add	*104.47*	
		For Unfinished (Natural, Wood), Deduct	*-24.11*	
06 41 13 00-0078	EA	>30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet	241.18	51.99
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-35.09*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.55*	
		For Economy Grade, Deduct	*-70.18*	
		For Premium Grade, Add	*87.73*	
		For Laboratory Grade, Add	*114.04*	
		For Unfinished (Natural, Wood), Deduct	*-26.32*	
06 41 13 00-0079	EA	>36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet	259.35	51.99
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-38.71*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.36*	
		For Economy Grade, Deduct	*-77.42*	
		For Premium Grade, Add	*96.78*	
		For Laboratory Grade, Add	*125.81*	
		For Unfinished (Natural, Wood), Deduct	*-29.03*	

06 41 13 00-0080 Wall Cabinets 12" High x 13" Deep *(06 41 13 00-0043)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0081	EA	18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet	194.84	28.54
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-27.39*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.70*	
		For Economy Grade, Deduct	*-54.78*	
		For Premium Grade, Add	*68.48*	
		For Laboratory Grade, Add	*89.02*	
		For Unfinished (Natural, Wood), Deduct	*-20.54*	
06 41 13 00-0082	EA	>30" Wide, 12" High x 13" Deep Double Door Wall Cabinet	226.89	21.40
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-32.15*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.07*	
		For Economy Grade, Deduct	*-64.29*	
		For Premium Grade, Add	*80.37*	
		For Laboratory Grade, Add	*104.47*	
		For Unfinished (Natural, Wood), Deduct	*-24.11*	

06 41 13 00-0083 Wall Cabinets 36" High x 13" Deep, Custom Built In Place *(06 41 13 00-0043)*

06 41 13 00-0084 Single Door Type Units *(06 41 13 00-0083)*

06 41 13 00-0085	LF	Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	222.45	70.43
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-24.47*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.24*	
		For Economy Grade, Deduct	*-48.95*	
		For Premium Grade, Add	*61.19*	
		For Laboratory Grade, Add	*79.54*	
		For Unfinished (Natural, Wood), Deduct	*-18.36*	
06 41 13 00-0086	LF	>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	204.15	59.31
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-23.78*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.89*	
		For Economy Grade, Deduct	*-47.56*	
		For Premium Grade, Add	*59.45*	
		For Laboratory Grade, Add	*77.28*	
		For Unfinished (Natural, Wood), Deduct	*-17.83*	
06 41 13 00-0087	LF	>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	167.67	46.34
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-20.37*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.19*	
		For Economy Grade, Deduct	*-40.75*	
		For Premium Grade, Add	*50.94*	
		For Laboratory Grade, Add	*66.22*	
		For Unfinished (Natural, Wood), Deduct	*-15.28*	
06 41 13 00-0088	LF	>24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	155.31	39.85
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-19.57*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.79*	
		For Economy Grade, Deduct	*-39.14*	
		For Premium Grade, Add	*48.93*	
		For Laboratory Grade, Add	*63.60*	
		For Unfinished (Natural, Wood), Deduct	*-14.68*	

06 41 13 00-0089 Double Door Type Units *(06 41 13 00-0083)*

06 41 13 00-0090	LF	Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	176.14	51.90
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-20.40*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.20*	
		For Economy Grade, Deduct	*-40.80*	
		For Premium Grade, Add	*51.00*	
		For Laboratory Grade, Add	*66.30*	
		For Unfinished (Natural, Wood), Deduct	*-15.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0091	LF	>24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	161.88	44.49
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-19.77*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.89*	
		For Economy Grade, Deduct	*-39.54*	
		For Premium Grade, Add	*49.43*	
		For Laboratory Grade, Add	*64.26*	
		For Unfinished (Natural, Wood), Deduct	*-14.83*	
06 41 13 00-0092	LF	>30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	148.85	38.00
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-18.84*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.42*	
		For Economy Grade, Deduct	*-37.67*	
		For Premium Grade, Add	*47.09*	
		For Laboratory Grade, Add	*61.22*	
		For Unfinished (Natural, Wood), Deduct	*-14.13*	
06 41 13 00-0093	LF	>36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	136.67	33.36
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-17.70*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-8.85*	
		For Economy Grade, Deduct	*-35.39*	
		For Premium Grade, Add	*44.24*	
		For Laboratory Grade, Add	*57.51*	
		For Unfinished (Natural, Wood), Deduct	*-13.27*	
06 41 13 00-0094	LF	>42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	131.77	31.51
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-17.46*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-8.73*	
		For Economy Grade, Deduct	*-34.91*	
		For Premium Grade, Add	*43.64*	
		For Laboratory Grade, Add	*56.73*	
		For Unfinished (Natural, Wood), Deduct	*-13.09*	
06 41 13 00-0095		Accessories *(06 41 13 00-0001)* See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.		
06 41 13 00-0096	EA	Wall Corner Cabinet With Shelving Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	333.18	104.22
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-20.31*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.16*	
		For Economy Grade, Deduct	*-40.63*	
		For Premium Grade, Add	*50.79*	
		For Laboratory Grade, Add	*66.02*	
		For Unfinished (Natural, Wood), Deduct	*-15.24*	
06 41 13 00-0097	EA	Wall Lazy Susan With Cabinet Enclosure Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	441.71	83.38
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-51.28*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-25.64*	
		For Economy Grade, Deduct	*-102.57*	
		For Premium Grade, Add	*128.21*	
		For Laboratory Grade, Add	*166.67*	
		For Unfinished (Natural, Wood), Deduct	*-38.46*	
06 41 13 00-0098	EA	Base Lazy Susan With Cabinet Enclosure Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	511.52	69.49
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-71.42*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-35.71*	
		For Economy Grade, Deduct	*-142.85*	
		For Premium Grade, Add	*178.56*	
		For Laboratory Grade, Add	*232.13*	
		For Unfinished (Natural, Wood), Deduct	*-53.57*	
06 41 13 00-0099	EA	Broom Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	539.70	59.57
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-81.47*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-40.74*	
		For Economy Grade, Deduct	*-162.94*	
		For Premium Grade, Add	*203.68*	
		For Laboratory Grade, Add	*264.78*	
		For Unfinished (Natural, Wood), Deduct	*-61.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0100	EA	Base Corner Cabinet	236.98	41.68
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.72*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.36*	
		For Economy Grade, Deduct	*-61.44*	
		For Premium Grade, Add	*76.80*	
		For Laboratory Grade, Add	*99.84*	
		For Unfinished (Natural, Wood), Deduct	*-23.04*	
06 41 13 00-0101	EA	Base Range Cabinet	221.89	34.74
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.48*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.24*	
		For Economy Grade, Deduct	*-60.96*	
		For Premium Grade, Add	*76.20*	
		For Laboratory Grade, Add	*99.06*	
		For Unfinished (Natural, Wood), Deduct	*-22.86*	
06 41 13 00-0102	EA	Double Oven Cabinet	290.22	41.68
		Note: Prefinished with solid hardwood face frames, hardwood door frames.		
		For Plastic Laminate On Particle Board, Deduct	*-41.37*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.68*	
		For Economy Grade, Deduct	*-82.74*	
		For Premium Grade, Add	*103.42*	
		For Laboratory Grade, Add	*134.45*	
		For Unfinished (Natural, Wood), Deduct	*-31.03*	
06 41 13 00-0103	EA	Microwave Cabinet	197.12	27.79
		Note: Prefinished with solid hardwood face frames, hardwood door frames.		
		For Plastic Laminate On Particle Board, Deduct	*-28.31*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-14.15*	
		For Economy Grade, Deduct	*-56.61*	
		For Premium Grade, Add	*70.77*	
		For Laboratory Grade, Add	*91.99*	
		For Unfinished (Natural, Wood), Deduct	*-21.23*	
06 41 13 00-0104	EA	30" Flipper Door And Cabinet	260.52	53.27
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.80*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.40*	
		For Economy Grade, Deduct	*-61.59*	
		For Premium Grade, Add	*76.99*	
		For Laboratory Grade, Add	*100.09*	
		For Unfinished (Natural, Wood), Deduct	*-23.10*	
06 41 13 00-0105	EA	36" Flipper Door And Cabinet	276.04	53.27
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.90*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.95*	
		For Economy Grade, Deduct	*-67.80*	
		For Premium Grade, Add	*84.75*	
		For Laboratory Grade, Add	*110.18*	
		For Unfinished (Natural, Wood), Deduct	*-25.43*	
06 41 13 00-0106	EA	48" Flipper Door And Cabinet	301.77	53.27
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-39.05*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.52*	
		For Economy Grade, Deduct	*-78.09*	
		For Premium Grade, Add	*97.62*	
		For Laboratory Grade, Add	*126.90*	
		For Unfinished (Natural, Wood), Deduct	*-29.28*	
06 41 13 00-0107	EA	For Keyed Lock In Door Or Drawer	41.64	
06 41 13 00-0108	SET	Tamper-Proof Screw Sets Per Panel	8.78	
06 41 13 00-0109		Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*		
		Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0110	LF	Removal And Reinstallation Of Wood Base Cabinets	70.91	
06 41 13 00-0111	LF	Remove And Reinstall Wall Cabinets	61.65	
06 41 13 00-0112	LF	Remove And Reinstall Plastic Laminated Countertops	14.30	
06 41 93		**Cabinet And Drawer Hardware** *(06 41)*		
06 41 93 00-0001		Cabinet Hardware *(06 41 93)*		
		Note: Includes all mounting screws.		
06 41 93 00-0002	EA	Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing	24.53	9.26
06 41 93 00-0003	EA	Hinges, Semi Concealed, Brass	27.28	9.26
06 41 93 00-0004	EA	Pull Handles, Solid Brass	19.61	7.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 93 00-0005	EA	Pull Knobs, Solid Brass	18.18	6.02
06 41 93 00-0006	EA	Cabinet Ball And Catch	29.98	9.26
06 41 93 00-0007	EA	Cabinet Drawer Lock Square Style, Surface Mount	64.61	9.26
06 41 93 00-0008	EA	Cabinet Drawer Lock Square Style, Mortise Mount	121.19	13.90
06 41 93 00-0009	EA	Cabinet Drawer Lock For Hollow Metal Drawers	37.51	7.88
06 41 93 00-0010	EA	Door Catch	26.80	7.88
06 41 93 00-0011	EA	Surface Bolt, Solid Brass	39.65	7.88

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	7.29	1.95
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	7.62	1.95

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	7.95	1.85
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	7.48	1.85

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	8.28	1.95

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	5.55	1.67

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Veneer Paneling (Mapes)	4.71	1.68
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*1.15*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	4.57	1.49
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.01*	
		For Installation On Metal Studs Or Furring, Add	*0.37*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.06*	
		For 5/8" Thick Paneling, Add	*1.31*	
		For 3/4" Thick Paneling, Add	*1.64*	
		For Fire Retardant Treatment (Class I), Add	*0.96*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	4.66	1.49
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.01*	
		For Installation On Metal Studs Or Furring, Add	*0.37*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.45*	
		For 1/2" Thick Paneling, Add	*1.11*	
		For 5/8" Thick Paneling, Add	*1.38*	
		For 3/4" Thick Paneling, Add	*1.73*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	

06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	5.32	1.68
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.53*	
		For 1/2" Thick Paneling, Add	*1.31*	
		For 5/8" Thick Paneling, Add	*1.64*	
		For 3/4" Thick Paneling, Add	*2.07*	
		For Fire Retardant Treatment (Class I), Add	*1.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	5.26	1.68
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.26*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.52*	
		For 1/2" Thick Paneling, Add	*1.27*	
		For 5/8" Thick Paneling, Add	*1.60*	
		For 3/4" Thick Paneling, Add	*2.01*	
		For Fire Retardant Treatment (Class I), Add	*1.21*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	5.22	1.86
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.26*	
		For Installation On Metal Studs Or Furring, Add	*0.46*	
		For Glue Laminated Installation, Add	*0.26*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.46*	
		For 1/2" Thick Paneling, Add	*1.05*	
		For 5/8" Thick Paneling, Add	*1.27*	
		For 3/4" Thick Paneling, Add	*1.54*	
		For Fire Retardant Treatment (Class I), Add	*0.81*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	4.77	1.86
		For Waterproof Glue, Add	*0.04*	
		For Ceiling Installation, Add	*1.26*	
		For Installation On Metal Studs Or Furring, Add	*0.46*	
		For Glue Laminated Installation, Add	*0.24*	
		For Lumber Core, Add	*0.06*	
		For 1/8" Thick Paneling, Deduct	*-0.39*	
		For 1/2" Thick Paneling, Add	*0.81*	
		For 5/8" Thick Paneling, Add	*0.93*	
		For 3/4" Thick Paneling, Add	*1.09*	
		For Fire Retardant Treatment (Class I), Add	*0.45*	
06 42 16 00-0013		Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	5.08	1.68
		For Flitch Matched Veneer, Add	*0.68*	
		For Second Grade Veneer, Deduct	*-0.14*	
		For Third Grade Veneer, Deduct	*-0.20*	
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.25*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.49*	
		For 1/2" Thick Paneling, Add	*1.18*	
		For 5/8" Thick Paneling, Add	*1.46*	
		For 3/4" Thick Paneling, Add	*1.82*	
		For Fire Retardant Treatment (Class I), Add	*1.07*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	5.68	1.68
		For Flitch Matched Veneer, Add	*0.98*	
		For Second Grade Veneer, Deduct	*-0.20*	
		For Third Grade Veneer, Deduct	*-0.29*	
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.28*	
		For Lumber Core, Add	*0.21*	
		For 1/8" Thick Paneling, Deduct	*-0.59*	
		For 1/2" Thick Paneling, Add	*1.50*	
		For 5/8" Thick Paneling, Add	*1.91*	
		For 3/4" Thick Paneling, Add	*2.44*	
		For Fire Retardant Treatment (Class I), Add	*1.54*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	8.67	1.68
		For Flitch Matched Veneer, Add	*2.10*	
		For Second Grade Veneer, Deduct	*-0.42*	
		For Third Grade Veneer, Deduct	*-0.63*	
		For Waterproof Glue, Add	*0.29*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.46*	
		For 1/8" Thick Paneling, Deduct	*-1.01*	
		For 1/2" Thick Paneling, Add	*2.80*	
		For 5/8" Thick Paneling, Add	*3.69*	
		For 3/4" Thick Paneling, Add	*4.82*	
		For Fire Retardant Treatment (Class I), Add	*3.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	4.24	1.68
		For Flitch Matched Veneer, Add	*0.45*	
		For Second Grade Veneer, Deduct	*-0.09*	
		For Third Grade Veneer, Deduct	*-0.13*	
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*1.01*	
		For Installation On Metal Studs Or Furring, Add	*0.37*	
		For Glue Laminated Installation, Add	*0.21*	
		For Lumber Core, Add	*0.10*	
		For 1/8" Thick Paneling, Deduct	*-0.38*	
		For 1/2" Thick Paneling, Add	*0.88*	
		For 5/8" Thick Paneling, Add	*1.07*	
		For 3/4" Thick Paneling, Add	*1.31*	
		For Fire Retardant Treatment (Class I), Add	*0.70*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	7.58	1.68
		For Flitch Matched Veneer, Add	*1.69*	
		For Second Grade Veneer, Deduct	*-0.34*	
		For Third Grade Veneer, Deduct	*-0.51*	
		For Waterproof Glue, Add	*0.24*	
		For Ceiling Installation, Add	*1.26*	
		For Installation On Metal Studs Or Furring, Add	*0.46*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.86*	
		For 1/2" Thick Paneling, Add	*2.33*	
		For 5/8" Thick Paneling, Add	*3.04*	
		For 3/4" Thick Paneling, Add	*3.95*	
		For Fire Retardant Treatment (Class I), Add	*2.67*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	5.23	1.68
		For Flitch Matched Veneer, Add	*0.75*	
		For Second Grade Veneer, Deduct	*-0.15*	
		For Third Grade Veneer, Deduct	*-0.23*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.26*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.51*	
		For 1/2" Thick Paneling, Add	*1.26*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.98*	
		For Fire Retardant Treatment (Class I), Add	*1.19*	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	6.18	1.68
		For Flitch Matched Veneer, Add	*0.99*	
		For Second Grade Veneer, Deduct	*-0.20*	
		For Third Grade Veneer, Deduct	*-0.30*	
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.26*	
		For Installation On Metal Studs Or Furring, Add	*0.46*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.22*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.57*	
		For 5/8" Thick Paneling, Add	*1.99*	
		For 3/4" Thick Paneling, Add	*2.52*	
		For Fire Retardant Treatment (Class I), Add	*1.56*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	10.03	1.68
		For Flitch Matched Veneer, Add	*2.39*	
		For Second Grade Veneer, Deduct	*-0.48*	
		For Third Grade Veneer, Deduct	*-0.72*	
		For Waterproof Glue, Add	*0.33*	
		For Ceiling Installation, Add	*1.58*	
		For Installation On Metal Studs Or Furring, Add	*0.58*	
		For Glue Laminated Installation, Add	*0.50*	
		For Lumber Core, Add	*0.53*	
		For 1/8" Thick Paneling, Deduct	*-1.17*	
		For 1/2" Thick Paneling, Add	*3.21*	
		For 5/8" Thick Paneling, Add	*4.22*	
		For 3/4" Thick Paneling, Add	*5.51*	
		For Fire Retardant Treatment (Class I), Add	*3.78*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	7.57	1.68
		For Flitch Matched Veneer, Add	*1.69*	
		For Second Grade Veneer, Deduct	*-0.34*	
		For Third Grade Veneer, Deduct	*-0.51*	
		For Waterproof Glue, Add	*0.24*	
		For Ceiling Installation, Add	*1.26*	
		For Installation On Metal Studs Or Furring, Add	*0.46*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.86*	
		For 1/2" Thick Paneling, Add	*2.32*	
		For 5/8" Thick Paneling, Add	*3.03*	
		For 3/4" Thick Paneling, Add	*3.94*	
		For Fire Retardant Treatment (Class I), Add	*2.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	6.60	1.68
		For Flitch Matched Veneer, Add	*1.44*	
		For Second Grade Veneer, Deduct	*-0.29*	
		For Third Grade Veneer, Deduct	*-0.43*	
		For Waterproof Glue, Add	*0.20*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.32*	
		For 1/8" Thick Paneling, Deduct	*-0.74*	
		For 1/2" Thick Paneling, Add	*2.00*	
		For 5/8" Thick Paneling, Add	*2.60*	
		For 3/4" Thick Paneling, Add	*3.38*	
		For Fire Retardant Treatment (Class I), Add	*2.27*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	5.26	1.68
		For Flitch Matched Veneer, Add	*0.77*	
		For Second Grade Veneer, Deduct	*-0.15*	
		For Third Grade Veneer, Deduct	*-0.23*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.12*	
		For Installation On Metal Studs Or Furring, Add	*0.41*	
		For Glue Laminated Installation, Add	*0.26*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.52*	
		For 1/2" Thick Paneling, Add	*1.27*	
		For 5/8" Thick Paneling, Add	*1.60*	
		For 3/4" Thick Paneling, Add	*2.01*	
		For Fire Retardant Treatment (Class I), Add	*1.21*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	23.88	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	7.50	3.24

06 43 Wood Stairs And Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	38.18	18.80
06 43 13 00-0003	EA	30" Baluster, Birch	43.03	18.80
06 43 13 00-0004	EA	42" Baluster, Pine	42.02	19.45
06 43 13 00-0005	EA	42" Baluster, Birch	47.20	19.45
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	202.64	73.93
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	293.77	103.76
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	134.46	64.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*21.29*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	154.57	71.24
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.40*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	25.16	9.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.19*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	29.63	5.47
		For Beech, Add	*5.63*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.50*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	34.97	5.47
		For Beech, Add	*7.23*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.50*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	18.44	5.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.50*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	23.63	5.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.61*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	22.50	5.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.61*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	15.22	5.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.61*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	14.87	5.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.61*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	32.15	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)* Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	172.47	56.42
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*18.54*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*68.18*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.07*	
		For Oak Or Maple Treads, Add	*41.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	181.54	57.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*18.96*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*68.73*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.30*	
		For Oak Or Maple Treads, Add	*44.60*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	189.73	58.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*19.18*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*69.01*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.42*	
		For Oak Or Maple Treads, Add	*47.86*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	199.12	59.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*19.38*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*69.28*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.54*	
		For Oak Or Maple Treads, Add	*51.68*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	204.85	59.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*19.60*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*69.56*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.65*	
		For Oak Or Maple Treads, Add	*53.84*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	211.50	60.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*20.03*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*70.12*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*22.88*	
		For Oak Or Maple Treads, Add	*55.99*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	217.23	61.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*20.24*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*70.40*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*23.00*	
		For Oak Or Maple Treads, Add	*58.15*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	222.97	62.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*20.46*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*70.68*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*23.12*	
		For Oak Or Maple Treads, Add	*60.31*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	228.65	62.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*20.66*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*70.95*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*23.23*	
		For Oak Or Maple Treads, Add	*62.47*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	236.20	64.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*21.31*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*71.79*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*23.58*	
		For Oak Or Maple Treads, Add	*64.60*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	13.43	4.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.13*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	14.26	4.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.13*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	17.07	4.63
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	17.77	4.63
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	20.29	4.63
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	28.06	4.63

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts And Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	38.72	5.38
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	49.27	7.86
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	59.82	9.10
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	70.57	9.51
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	150.06	10.76
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	173.59	11.59
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	207.80	12.41
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	246.91	13.24
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	43.95	5.38
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	53.46	7.86
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	65.61	9.10
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	76.76	9.51
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	162.64	10.76
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	218.73	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	235.77	12.41
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	264.89	13.24
06 44 39 00-0019		Pine Colonial Columns, Round Non Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	45.75	5.38
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	57.26	7.86
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	70.21	9.10
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	83.55	9.51
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	182.64	10.76
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	211.74	11.59
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	254.20	12.41
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	302.81	13.24
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	52.30	5.38
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	62.99	7.86
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	77.72	9.10
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	91.50	9.51
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	198.40	10.76
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	268.33	11.59
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	289.26	12.41
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	325.36	13.24
06 44 39 00-0036		Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	41.20	5.38
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	52.26	7.86
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	63.58	9.10
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	75.23	9.51
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	46.91	5.38
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	56.83	7.86
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	69.90	9.10
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	81.97	9.51
06 44 39 00-0045		Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	62.13	5.38
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	75.64	7.86
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	93.58	9.10
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	113.32	9.51
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	70.92	5.38
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	85.03	7.86
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	104.57	9.10
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	127.70	9.51
06 44 39 00-0054		Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	190.15	11.17
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	284.51	12.41
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	394.52	14.48
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	502.54	16.55
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	170.17	11.17
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	234.57	12.41
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	290.64	14.48
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	378.68	16.55
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	178.98	11.59
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	234.57	12.41
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	290.64	14.48
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	368.70	16.55
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	180.98	11.59
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	254.54	12.41
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	300.63	14.48
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	410.65	16.55
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	180.98	11.59
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	276.52	12.41
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	364.56	14.48
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	450.60	16.55
06 44 39 00-0075		Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	375.92	11.17
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	422.34	12.41
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	536.35	14.48
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	590.43	16.55
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	252.07	11.17
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	292.50	12.41
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	360.56	14.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	452.60	16.55
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	242.91	11.59
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	316.47	12.41
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	382.53	14.48
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	452.60	16.55
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	286.85	11.59
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	378.39	12.41
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	426.48	14.48
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	540.49	16.55
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	242.91	11.59
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	312.47	12.41
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	406.51	14.48
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	518.52	16.55
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	272.87	11.59
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	332.45	12.41
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	404.51	14.48
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	452.60	16.55

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	3.91	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	3.94	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	4.59	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	

06 46 19 Wood Base And Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	4.23	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	4.42	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	4.90	1.12
		For Clear Birch, Add	*0.38*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*0.91*	
		For Stain Grade Material (No Finger Joints), Add	*0.21*	
		For Clear Poplar, Add	*0.24*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	6.00	1.39
		For Clear Birch, Add	*0.44*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.08*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
		For Clear Poplar, Add	*0.27*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	7.22	1.58
		For Clear Birch, Add	*0.68*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.46*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
		For Clear Poplar, Add	*0.42*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	4.90	1.76
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	4.79	1.76
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	4.55	1.76

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	5.66	1.67
		For Birch, Add	*0.62*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.25*	
		For Poplar, Add	*0.39*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	6.65	1.67
		For Birch, Add	*0.94*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.69*	
		For Poplar, Add	*0.59*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	4.21	1.67
		For Birch, Add	*0.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.92*	
		For Poplar, Add	*0.29*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	4.60	1.67
		For Birch, Add	*0.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*0.77*	
		For Poplar, Add	*0.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	5.46	1.76
		For Birch, Add	*0.58*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.11*	
		For Poplar, Add	*0.72*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	7.09	1.85
		For Birch, Add	*1.10*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.78*	
		For Poplar, Add	*1.38*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	8.01	1.85
		For Birch, Add	*1.37*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.13*	
		For Poplar, Add	*1.71*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	9.08	1.95
		For Birch, Add	*1.68*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.54*	
		For Poplar, Add	*2.10*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	11.27	2.13
		For Birch, Add	*2.39*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.45*	
		For Poplar, Add	*2.99*	

06 46 29 Wood Fasciae And Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	4.39	1.85
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	5.02	2.06
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	5.44	2.16
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	6.42	2.41
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	4.34	1.85
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	4.95	2.06
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	5.54	2.16
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	6.73	2.41
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	5.11	1.85
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	5.96	2.06
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	6.66	2.16
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	8.39	2.41

06 46 29 00-0015 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	4.72	1.85
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	5.53	2.06
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	6.42	2.16
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	7.80	2.41

06 46 29 00-0020 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	4.20	1.85
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	4.77	2.06
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	5.83	2.41

06 46 29 00-0024 Soffit *(06 46 29)*

06 46 29 00-0025 Sanded Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	3.80	1.40
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	4.17	1.48
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	4.38	1.54
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	4.86	1.62

06 46 29 00-0030 MDO Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	4.25	1.40
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	4.75	1.48
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	5.98	1.62

06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0024)*

06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	2.87	1.23
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	3.08	1.29

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001 Ash *(06 46 36)*

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	5.26	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	6.37	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	7.47	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	8.57	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	9.77	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	10.98	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	12.07	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	13.20	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	14.25	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	15.48	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	16.62	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	6.05	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	7.48	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	8.91	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	10.35	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	11.92	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	13.45	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	14.88	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	16.33	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	17.75	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	19.30	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	20.78	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	7.02	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	8.90	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	10.79	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	12.68	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	14.67	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	16.66	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	18.54	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	20.44	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	22.29	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	24.30	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	26.23	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	8.39	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	10.92	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	13.45	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	15.98	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	18.52	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	21.25	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	23.81	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	26.32	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	28.80	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	31.69	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	34.03	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0046		Basswood *(06 46 36)*		
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	4.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	5.37	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	6.13	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	6.91	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	7.78	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	8.65	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	9.41	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	10.20	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	10.92	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	11.81	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	12.62	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	5.10	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	6.05	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	7.01	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	7.97	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	9.06	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	10.12	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	11.08	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	12.05	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	12.99	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	14.07	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	15.07	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	6.49	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	8.12	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	9.75	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	11.37	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	13.10	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	14.83	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	16.45	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	18.09	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	19.67	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	21.42	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	23.09	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	21.49	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	26.04	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	30.51	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	35.16	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	39.64	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	44.25	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	48.67	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	53.14	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	57.80	1.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0089		**Birch** *(06 46 36)*		
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	4.83	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	5.72	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	6.61	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	7.50	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	8.49	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	9.48	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	10.36	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	11.27	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	12.11	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	13.12	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	14.05	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	5.45	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	6.58	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	7.72	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	8.88	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	10.13	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	11.36	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	12.50	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	13.67	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	14.78	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	16.02	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	17.21	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	6.16	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	7.62	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	9.08	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	10.54	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	12.10	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	13.67	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	15.11	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	16.59	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	18.01	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	19.59	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	21.10	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	7.25	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	9.20	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	11.17	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	13.12	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	15.10	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	17.25	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	19.20	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	21.18	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	23.09	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	25.41	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	27.18	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	4.83	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	5.72	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	6.61	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	7.50	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	8.49	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	9.48	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	5.50	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	6.67	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	7.84	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	9.02	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	10.30	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	11.57	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	6.78	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	8.54	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	10.32	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	12.08	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	13.96	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	15.83	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	6.96	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	8.78	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	10.60	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	12.41	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	14.24	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	16.26	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	19.21	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	23.18	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	27.09	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	31.16	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	35.07	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	39.06	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	42.96	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	46.86	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	50.95	1.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	

06 46 36 00-0168 Cherry *(06 46 36)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	5.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	6.87	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	8.13	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	9.41	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	10.77	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	12.15	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	13.40	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	14.70	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	15.91	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	17.31	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	18.61	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	6.45	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	8.10	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	9.74	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	11.40	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	13.15	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	14.90	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	16.55	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	18.24	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	19.82	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	21.58	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	23.28	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	7.37	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	9.45	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	11.51	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	13.58	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	15.74	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	17.93	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	19.97	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	22.06	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	24.07	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	26.27	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	28.37	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	9.06	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	11.92	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	14.78	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	17.64	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	20.52	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	23.58	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	26.43	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	29.32	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	32.13	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	35.16	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	38.02	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0213		Cypress *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	4.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	5.37	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	6.13	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	6.91	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	7.78	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	8.65	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	9.60	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	10.42	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	11.87	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	12.86	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	5.69	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	6.93	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	8.20	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	9.47	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	10.85	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	12.19	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	13.45	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	14.74	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	15.97	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	17.37	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	18.64	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	6.49	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	8.06	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	9.65	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	11.22	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	12.82	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	14.59	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	16.16	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	17.76	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	20.71	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	22.51	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0245		Fir *(06 46 36)*		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	4.97	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	5.94	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	6.89	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	7.86	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	8.92	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	9.98	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	10.93	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	11.91	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	12.82	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	13.91	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	5.69	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	6.93	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	8.20	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	9.47	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	10.85	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	12.19	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	13.45	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	14.74	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	15.97	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	17.37	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	18.64	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	6.23	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	7.74	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	9.22	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	10.73	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	12.32	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	13.93	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	15.40	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	16.92	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	18.36	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	19.99	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	21.52	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	6.96	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	8.78	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	10.60	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	12.41	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	14.24	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	16.26	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	18.06	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	19.90	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	21.66	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	23.60	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	25.47	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	10.56	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	14.07	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	17.59	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	21.19	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	24.72	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	28.41	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	31.93	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	35.60	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	39.06	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	42.58	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	21.54	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	26.04	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	30.51	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	35.16	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	39.64	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	44.20	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	48.67	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	53.14	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	5.88	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	7.29	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	8.70	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	10.12	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	11.63	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	13.15	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	14.54	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	15.98	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	17.34	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	18.88	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	20.33	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	6.88	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	8.72	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	10.58	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	12.45	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	14.41	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	16.35	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	18.21	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	20.09	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	21.91	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	23.87	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	26.01	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	7.66	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	9.88	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	12.08	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	14.29	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	16.60	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	18.92	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	21.11	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	23.34	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	25.02	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	27.84	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	30.09	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	9.15	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	12.06	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.84*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	14.97	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	17.88	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	20.81	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	23.91	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	26.81	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	29.75	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	32.60	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	35.64	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	38.64	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	10.63	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	14.24	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	17.83	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	21.53	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	25.13	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	28.92	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	32.50	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	36.20	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	39.80	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	43.42	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	47.19	1.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	12.75	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	16.64	1.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	21.01	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	25.47	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	29.85	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	34.40	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	38.77	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	43.26	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	47.63	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	52.00	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	56.56	1.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	27.96	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	34.12	1.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	40.22	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	46.48	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	52.57	1.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	58.76	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	64.84	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	70.93	1.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	77.20	1.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	4.78	1.02
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	5.65	1.02
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	6.51	1.02
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	7.38	1.12
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	8.35	1.12
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	9.32	1.21
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	10.17	1.21
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	11.06	1.21
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	11.87	1.30
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	12.86	1.39
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	13.76	1.39
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	5.45	1.02
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	6.58	1.02
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	7.72	1.12
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	8.88	1.12
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	10.13	1.21
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	11.36	1.21
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	12.50	1.21
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	13.67	1.30
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	14.78	1.30
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	15.54	1.39
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	17.21	1.39
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	6.02	1.02
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	7.40	1.02
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	8.80	1.12
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	10.18	1.12
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	11.67	1.21
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	13.17	1.21
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	14.54	1.30
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	15.95	1.30
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	17.29	1.30
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	18.81	1.39
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	20.24	1.48
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	7.15	1.02
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	9.06	1.12
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	10.98	1.12
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	12.89	1.21
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	14.81	1.21
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	16.92	1.30
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	18.82	1.30
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	20.99	1.39
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	22.61	1.39
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	24.70	1.48
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	26.61	1.48
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	8.96	1.12
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	11.75	1.12
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	14.50	1.12
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	17.37	1.21
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	20.13	1.21
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	23.09	1.30
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	25.84	1.30
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	28.71	1.39
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	31.47	1.39
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	34.26	1.48
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	37.44	1.58
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	29.86	1.21
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	36.50	1.21
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	43.07	1.30
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	49.81	1.39
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	56.38	1.39
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	63.04	1.48
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	69.59	1.48
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	76.16	1.48
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	82.91	1.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0448		**Appl Soft Maple** *(06 46 36)*		
06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	4.83	1.02
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	5.72	1.02
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	6.61	1.02
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	7.50	1.12
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	8.49	1.12
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	9.48	1.21
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	10.36	1.21
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	11.27	1.21
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	12.11	1.30
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	13.12	1.39
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	14.05	1.39
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	5.33	1.02
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	6.41	1.02
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	7.48	1.12
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	8.55	1.12
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	9.78	1.21
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	10.95	1.21
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	12.03	1.21
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	13.12	1.30
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	14.18	1.30
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	15.38	1.39
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	16.50	1.39
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	5.80	1.02
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	7.09	1.02
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	8.37	1.12
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	9.66	1.12
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	11.03	1.21
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	12.43	1.21
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	13.69	1.30
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	15.00	1.30
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	16.22	1.30
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	17.64	1.39
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	18.96	1.48
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	6.68	1.02
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	8.35	1.12
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	10.03	1.12
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	11.70	1.21
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	13.39	1.21
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	15.26	1.30
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	16.92	1.30
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	18.62	1.39
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	20.24	1.39
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	22.03	1.48
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	23.75	1.48
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	5.07	1.02
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	6.08	1.02
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	7.08	1.02
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	8.10	1.12
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	9.20	1.12
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	10.32	1.21
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	11.31	1.21
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	12.34	1.21
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	13.30	1.30
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	14.43	1.39
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	15.47	1.39
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	5.86	1.02
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	7.22	1.02
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	8.55	1.12
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	10.40	1.12
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	11.37	1.21
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	12.83	1.21
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	14.17	1.21
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	15.52	1.30
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	16.84	1.30
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	18.33	1.39
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	19.71	1.39
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	6.95	1.02
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	8.81	1.02
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	10.65	1.12
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	12.51	1.12
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	14.46	1.21
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	16.43	1.21
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	18.25	1.30
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	20.13	1.30
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	21.93	1.30
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	23.92	1.39

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	25.80	1.48
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	9.15	1.02
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	12.06	1.12
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	14.97	1.12
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	17.88	1.12
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	20.81	1.21
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	23.96	1.30
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	26.81	1.30
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	30.22	1.39
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	32.60	1.39
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	35.64	1.39
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	38.59	1.48
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	13.24	1.12
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	18.17	1.12
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	23.06	1.12
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	28.07	1.21
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	32.97	1.21
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	38.07	1.30
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	42.97	1.30
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	47.97	1.39
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	52.88	1.39
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	57.80	1.48
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	62.89	1.58
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	5.11	1.02
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	6.15	1.02
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	7.18	1.02
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	8.22	1.12
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	9.34	1.12
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	10.48	1.21
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	11.50	1.21
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	12.56	1.21
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	13.53	1.30
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	14.69	1.39
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	15.76	1.39
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	5.86	1.02
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	7.22	1.02
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	8.55	1.12
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	10.40	1.12
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	11.37	1.21
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	12.83	1.21
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	14.17	1.21
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	15.52	1.30
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	16.84	1.30
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	18.33	1.39
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	19.71	1.39
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	7.02	1.02
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	8.90	1.02
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	10.79	1.12
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	12.68	1.12
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	14.67	1.21
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	16.66	1.21
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	18.54	1.30
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	20.44	1.30
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	22.29	1.30
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	24.30	1.39
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	26.23	1.48
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	10.58	1.02
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	14.20	1.12
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	17.83	1.12
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	21.45	1.21
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	25.09	1.21
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	28.91	1.30
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	32.52	1.30
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	36.17	1.39
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	39.26	1.39
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	43.49	1.48
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	47.15	1.48
06 46 36 00-0594		**White Pine** *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	5.54	1.02
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	6.79	1.02
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	8.04	1.02
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	9.29	1.12
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	10.63	1.12
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	11.98	1.21
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	13.21	1.21
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	14.48	1.21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	16.39	1.30
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	17.83	1.39
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	6.09	1.02
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	7.57	1.02
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	9.03	1.12
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	10.52	1.12
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	12.08	1.21
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	13.66	1.21
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	15.12	1.21
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	16.62	1.30
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	18.03	1.30
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	19.63	1.39
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	21.14	1.39
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	6.73	1.02
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	8.47	1.02
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	10.27	1.12
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	11.96	1.12
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	13.82	1.21
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	15.67	1.21
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	17.40	1.30
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	19.16	1.30
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	20.86	1.30
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	22.73	1.39
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	24.52	1.48
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	8.11	1.02
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	10.49	1.12
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	12.88	1.12
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	15.26	1.21
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	17.67	1.21
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	20.25	1.30
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	22.62	1.30
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	25.04	1.39
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	27.85	1.39
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	29.88	1.48
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	32.32	1.48
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	11.70	1.12
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	15.84	1.12
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	19.97	1.12
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	24.19	1.21
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	28.34	1.21
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	32.65	1.30
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	36.78	1.30
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	41.00	1.39
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	45.15	1.39
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	49.29	1.48
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	53.61	1.58
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	13.70	1.12
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	18.78	1.12
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	23.87	1.21
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	29.04	1.21
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	34.13	1.21
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	39.40	1.30
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	44.48	1.39
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	49.68	1.39
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	54.76	1.48
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	59.84	1.48
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	65.12	1.58
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	32.53	1.21
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	39.83	1.21
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	47.07	1.30
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	54.47	1.39
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	61.70	1.39
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	69.03	1.48
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	76.25	1.48
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	83.49	1.48
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	90.90	1.58

06 46 36 00-0669 Clear Yellow Pine *(06 46 36)*

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	4.21	1.02
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.80	1.02
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	5.37	1.02
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	5.96	1.12
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	6.63	1.12
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	7.32	1.21
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	7.88	1.21
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	8.49	1.21
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	4.67	1.02
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	5.43	1.02
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	6.18	1.12
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	6.95	1.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	7.80	1.21
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	8.67	1.21
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	9.65	1.21
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	10.46	1.30
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	5.25	1.02
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	6.21	1.12
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	7.17	1.12
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	8.13	1.21
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	9.11	1.21
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	10.26	1.30
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	11.21	1.30
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	12.19	1.39
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	13.81	1.39
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	14.28	1.48
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	4.35	1.02
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	5.01	1.02
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	5.66	1.02
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	6.31	1.12
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	7.06	1.12
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	7.82	1.21
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	8.46	1.21
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	9.13	1.21
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	9.73	1.30
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	10.51	1.39
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	11.24	1.39
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.86	1.02
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	5.70	1.02
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	6.53	1.12
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	7.38	1.12
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	8.35	1.21
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	9.29	1.21
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	10.13	1.21
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	10.98	1.30
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	11.80	1.30
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	12.76	1.39
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	13.65	1.39
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	5.30	1.02
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	6.33	1.02
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	7.37	1.12
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	8.40	1.12
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	9.53	1.21
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	10.67	1.21
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	11.69	1.30
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	12.74	1.30
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	13.72	1.30
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	14.88	1.39
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	15.96	1.48
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	6.30	1.02
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	7.78	1.12
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	9.27	1.12
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	10.75	1.21
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	12.25	1.21
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	13.93	1.30
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	15.39	1.30
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	16.90	1.39
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	18.33	1.39
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	19.94	1.48
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	21.47	1.48
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	7.77	1.12
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	9.96	1.12
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	12.12	1.12
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	14.40	1.21
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	16.56	1.21
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	18.93	1.30
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	21.09	1.30
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	23.36	1.39
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	25.53	1.39
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	27.72	1.48
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	30.07	1.58
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	9.27	1.12
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	12.15	1.12
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	15.02	1.21
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	17.98	1.21
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	20.86	1.21
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	23.92	1.30
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	26.79	1.39
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	29.77	1.39
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	32.64	1.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	35.52	1.48
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	38.58	1.58
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	19.97	1.21
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	24.14	1.21
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	28.23	1.30
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	32.54	1.39
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	36.59	1.39
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	40.78	1.48
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	44.86	1.48
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	48.96	1.48
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	53.23	1.58
06 46 36 00-0772		**Clear Heart Redwood** *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	5.02	1.02
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	6.01	1.02
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	6.99	1.02
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	7.98	1.12
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	9.06	1.12
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	10.15	1.21
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	12.07	1.21
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	13.20	1.21
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	13.27	1.30
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	14.17	1.39
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	5.81	1.02
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	7.12	1.02
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	8.44	1.12
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	9.76	1.12
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	11.20	1.21
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	12.62	1.21
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	15.59	1.21
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	17.14	1.30
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	18.63	1.30
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	20.28	1.39
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	7.25	1.02
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	9.20	1.12
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	11.17	1.12
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	13.12	1.21
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	15.10	1.21
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	17.30	1.30
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	22.62	1.30
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	25.04	1.39
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	29.27	1.39
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	31.98	1.48
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	30.62	1.21
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	37.45	1.21
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	44.21	1.30
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	51.14	1.39
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	57.90	1.39
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	64.75	1.48
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	71.50	1.48
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	78.26	1.48
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	85.19	1.58
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	11.39	1.02
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	15.57	1.02
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	19.74	1.02
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	23.91	1.12
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	28.18	1.12
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	32.46	1.21
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	36.61	1.21
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	40.81	1.21
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	44.93	1.30
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	49.22	1.39
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	53.43	1.39
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	24.56	1.02
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	28.04	1.12
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	36.28	1.12
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	44.52	1.21
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	52.77	1.21
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	60.96	1.30
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	69.42	1.30
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	77.69	1.39
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	85.87	1.39
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	94.23	1.48
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	102.52	1.48
06 46 36 00-0835		**Walnut** *(06 46 36)*		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	6.87	1.02
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	8.79	1.02
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	10.70	1.02
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	12.62	1.12
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	14.62	1.12
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	16.64	1.21
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	18.54	1.21
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	20.48	1.21
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	22.33	1.30
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	24.37	1.39
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	26.32	1.39
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	8.00	1.02
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	10.43	1.02
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	12.83	1.12
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	15.28	1.12
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	17.79	1.21
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	20.32	1.21
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	22.73	1.21
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	25.18	1.30
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	27.55	1.30
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	30.10	1.39
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	32.55	1.39
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	9.51	1.02
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	12.66	1.02
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	15.79	1.12
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	18.93	1.12
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	22.16	1.21
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	25.42	1.21
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	28.53	1.30
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	31.69	1.30
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	34.77	1.30
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	38.04	1.39
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	41.21	1.48
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	12.39	1.02
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	16.91	1.12
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	21.44	1.12
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	25.97	1.21
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	30.51	1.21
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	35.23	1.30
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	39.75	1.30
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	44.30	1.39
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	49.25	1.39
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	53.43	1.48
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	58.00	1.48
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	19.78	1.12
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	27.97	1.12
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	36.14	1.12
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	44.41	1.21
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	52.59	1.21
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	60.95	1.30
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	69.12	1.30
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	77.39	1.39
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	85.58	1.39
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	93.76	1.48
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	102.13	1.58
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	24.40	1.12
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	34.83	1.12
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	45.27	1.21
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	55.79	1.21
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	66.24	1.21
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	76.85	1.30
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	87.29	1.39
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	97.83	1.39
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	108.27	1.48
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	118.70	1.48
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	129.33	1.58

06 48 Wood Frames *(06 40)*

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	267.19	52.55
		For Birch, Add	*56.77*	
		For Mahogany, Add	*137.86*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	281.01	55.07
		For Birch, Add	*59.98*	
		For Mahogany, Add	*145.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	294.85	57.22
		For Birch, Add	*63.19*	
		For Mahogany, Add	*153.45*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	321.37	61.23
		For Birch, Add	*69.60*	
		For Mahogany, Add	*169.02*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	348.44	65.62
		For Birch, Add	*76.02*	
		For Mahogany, Add	*184.61*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	403.37	52.74
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	410.50	55.07
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	417.59	57.40
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	430.02	61.13
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	444.37	65.80
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	314.15	52.74
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	329.33	55.07
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	344.59	57.40
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	373.11	61.13
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	403.47	65.80

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	133.94	25.01
		For Oak Or Maple, Add	*26.02*	
		For Birch, Add	*29.38*	
		For Mahogany, Add	*71.35*	
		For Walnut Frame, Add	*37.77*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	134.89	25.10
		For Oak Or Maple, Add	*26.24*	
		For Birch, Add	*29.63*	
		For Mahogany, Add	*71.95*	
		For Walnut Frame, Add	*38.09*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	136.51	25.57
		For Oak Or Maple, Add	*26.44*	
		For Birch, Add	*29.85*	
		For Mahogany, Add	*72.50*	
		For Walnut Frame, Add	*38.38*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	138.64	26.23
		For Oak Or Maple, Add	*26.70*	
		For Birch, Add	*30.15*	
		For Mahogany, Add	*73.21*	
		For Walnut Frame, Add	*38.76*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	141.79	26.88
		For Oak Or Maple, Add	*27.26*	
		For Birch, Add	*30.78*	
		For Mahogany, Add	*74.76*	
		For Walnut Frame, Add	*39.58*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	149.77	28.56
		For Oak Or Maple, Add	*28.71*	
		For Birch, Add	*32.41*	
		For Mahogany, Add	*78.71*	
		For Walnut Frame, Add	*41.67*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	159.11	30.89
		For Oak Or Maple, Add	*30.15*	
		For Birch, Add	*34.04*	
		For Mahogany, Add	*82.68*	
		For Walnut Frame, Add	*43.77*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	167.55	32.86
		For Oak Or Maple, Add	*31.60*	
		For Birch, Add	*35.67*	
		For Mahogany, Add	*86.63*	
		For Walnut Frame, Add	*45.86*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	6.02	2.24
		For Oak Or Maple, Add	*0.48*	
		For Birch, Add	*0.54*	
		For Mahogany, Add	*1.31*	
		For Walnut Frame, Add	*0.69*	

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes And Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	9.10	1.50
		For Reinforced Structural Plastic Lumber, Add	*2.57*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*2.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	11.58	1.63
		For Reinforced Structural Plastic Lumber, Add	*3.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.83*	
		For White Color, Add	*3.93*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.33*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	13.83	1.76
		For Reinforced Structural Plastic Lumber, Add	*4.19*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.02*	
		For White Color, Add	*4.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.08*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	20.14	2.09
		For Reinforced Structural Plastic Lumber, Add	*6.35*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.54*	
		For White Color, Add	*7.29*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.18*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	24.10	2.35
		For Reinforced Structural Plastic Lumber, Add	*7.67*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.87*	
		For White Color, Add	*8.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.47*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	13.11	2.03
		For Reinforced Structural Plastic Lumber, Add	*3.78*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.92*	
		For White Color, Add	*4.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.68*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	17.58	2.16
		For Reinforced Structural Plastic Lumber, Add	*5.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.31*	
		For White Color, Add	*6.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.22*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	18.29	2.22
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.36*	
		For White Color, Add	*6.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.44*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	25.16	2.42
		For Reinforced Structural Plastic Lumber, Add	*8.03*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.95*	
		For White Color, Add	*9.22*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.81*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	34.22	2.54
		For Reinforced Structural Plastic Lumber, Add	*11.31*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.75*	
		For White Color, Add	*12.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.01*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	5.91	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.74*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.69*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	8.17	0.88
		For Reinforced Structural Plastic Lumber, Add	*2.57*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*2.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.50*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	10.64	0.98
		For Reinforced Structural Plastic Lumber, Add	*3.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.83*	
		For White Color, Add	*3.93*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.33*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	13.00	1.18
		For Reinforced Structural Plastic Lumber, Add	*4.19*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.02*	
		For White Color, Add	*4.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	19.12	1.37
		For Reinforced Structural Plastic Lumber, Add	*6.35*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.54*	
		For White Color, Add	*7.29*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.18*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	23.26	1.76
		For Reinforced Structural Plastic Lumber, Add	*7.67*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.87*	
		For White Color, Add	*8.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.47*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	11.98	1.24
		For Reinforced Structural Plastic Lumber, Add	*3.78*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.92*	
		For White Color, Add	*4.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.68*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	16.36	1.31
		For Reinforced Structural Plastic Lumber, Add	*5.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.31*	
		For White Color, Add	*6.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.22*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	17.17	1.44
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.36*	
		For White Color, Add	*6.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.44*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	24.03	1.63
		For Reinforced Structural Plastic Lumber, Add	*8.03*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.95*	
		For White Color, Add	*9.22*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.81*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	33.09	1.76
		For Reinforced Structural Plastic Lumber, Add	*11.31*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.75*	
		For White Color, Add	*12.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.01*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	14.04	2.68
		For Reinforced Structural Plastic Lumber, Add	*3.78*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.92*	
		For White Color, Add	*4.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.68*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	19.91	3.79
		For Reinforced Structural Plastic Lumber, Add	*5.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.31*	
		For White Color, Add	*6.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.22*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	21.19	4.25
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.36*	
		For White Color, Add	*6.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.44*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	28.60	4.83
		For Reinforced Structural Plastic Lumber, Add	*8.03*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.95*	
		For White Color, Add	*9.22*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.81*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	39.06	5.95
		For Reinforced Structural Plastic Lumber, Add	*11.31*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.75*	
		For White Color, Add	*12.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.01*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	5.32	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.37*	
		For White Color, Add	*1.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	6.09	0.98
		For Reinforced Structural Plastic Lumber, Add	*1.74*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.69*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	8.44	1.04
		For Reinforced Structural Plastic Lumber, Add	*2.57*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*2.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.50*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	10.82	1.11
		For Reinforced Structural Plastic Lumber, Add	*3.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.83*	
		For White Color, Add	*3.93*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.33*	

06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	5.19	0.75
		For Reinforced Structural Plastic Lumber, Add	*1.49*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.36*	
		For White Color, Add	*1.72*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.45*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	6.57	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.48*	
		For White Color, Add	*2.27*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.93*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	8.57	0.84
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.66*	
		For White Color, Add	*3.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.65*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	5.22	0.75
		For Reinforced Structural Plastic Lumber, Add	*1.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.37*	
		For White Color, Add	*1.73*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.47*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	5.76	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.41*	
		For White Color, Add	*1.93*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	5.86	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.97*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.67*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	3.62	0.72
		For Reinforced Structural Plastic Lumber, Add	*0.96*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.23*	
		For White Color, Add	*1.10*	
		For All Other Colors (Except Black, Brown Or White), Add	*0.93*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	5.32	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.37*	
		For White Color, Add	*1.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.48*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	6.09	0.98
		For Reinforced Structural Plastic Lumber, Add	*1.74*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.69*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	8.44	1.04
		For Reinforced Structural Plastic Lumber, Add	*2.57*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*2.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	10.82	1.11
		For Reinforced Structural Plastic Lumber, Add	*3.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.83*	
		For White Color, Add	*3.93*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.33*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	13.00	1.18
		For Reinforced Structural Plastic Lumber, Add	*4.19*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.02*	
		For White Color, Add	*4.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.08*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	15.68	1.24
		For Reinforced Structural Plastic Lumber, Add	*5.15*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.25*	
		For White Color, Add	*5.92*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.01*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	8.70	1.15
		For Reinforced Structural Plastic Lumber, Add	*2.61*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.64*	
		For White Color, Add	*3.00*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.54*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	12.69	1.23
		For Reinforced Structural Plastic Lumber, Add	*4.05*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.99*	
		For White Color, Add	*4.65*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.94*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	16.48	1.31
		For Reinforced Structural Plastic Lumber, Add	*5.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.32*	
		For White Color, Add	*6.22*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.27*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	19.12	1.37
		For Reinforced Structural Plastic Lumber, Add	*6.35*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.54*	
		For White Color, Add	*7.29*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.18*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	23.26	1.76
		For Reinforced Structural Plastic Lumber, Add	*7.67*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.87*	
		For White Color, Add	*8.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.47*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	11.98	1.24
		For Reinforced Structural Plastic Lumber, Add	*3.78*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.92*	
		For White Color, Add	*4.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.68*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	16.36	1.31
		For Reinforced Structural Plastic Lumber, Add	*5.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.31*	
		For White Color, Add	*6.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.22*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	21.96	1.42
		For Reinforced Structural Plastic Lumber, Add	*7.38*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.79*	
		For White Color, Add	*8.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.18*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	17.17	1.44
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.36*	
		For White Color, Add	*6.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.44*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	24.03	1.63
		For Reinforced Structural Plastic Lumber, Add	*8.03*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.95*	
		For White Color, Add	*9.22*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.81*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	33.09	1.76
		For Reinforced Structural Plastic Lumber, Add	*11.31*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.75*	
		For White Color, Add	*12.99*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	46.67	1.96
		For Reinforced Structural Plastic Lumber, Add	*16.23*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.95*	
		For White Color, Add	*18.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*15.79*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	41.53	1.88
		For Reinforced Structural Plastic Lumber, Add	*14.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.49*	
		For White Color, Add	*16.50*	
		For All Other Colors (Except Black, Brown Or White), Add	*13.98*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	70.78	1.96
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*6.12*	
		For White Color, Add	*28.89*	
		For All Other Colors (Except Black, Brown Or White), Add	*24.47*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	98.12	2.06
		For Reinforced Structural Plastic Lumber, Add	*35.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*8.57*	
		For White Color, Add	*40.46*	
		For All Other Colors (Except Black, Brown Or White), Add	*34.27*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	3.86	0.65
		For Reinforced Structural Plastic Lumber, Add	*1.08*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.26*	
		For White Color, Add	*1.25*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.05*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	10.98	0.84
		For Reinforced Structural Plastic Lumber, Add	*3.61*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.88*	
		For White Color, Add	*4.15*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.51*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	12.11	0.98
		For Reinforced Structural Plastic Lumber, Add	*3.96*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.96*	
		For White Color, Add	*4.55*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.86*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	14.98	1.18
		For Reinforced Structural Plastic Lumber, Add	*4.92*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.20*	
		For White Color, Add	*5.66*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.79*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	33.02	1.37
		For Reinforced Structural Plastic Lumber, Add	*11.49*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.80*	
		For White Color, Add	*13.20*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.18*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	3.14	0.72
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	4.56	0.75
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	6.57	0.79
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	8.35	0.82

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	18.06	5.47
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	25.32	7.94
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	29.75	8.94
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	38.57	9.35
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	47.62	10.80
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	35.08	10.35
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	39.17	11.17
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	46.93	12.41
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	68.96	13.24
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	97.01	14.48

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	19.47	5.47
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	27.20	7.94
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.12	8.94
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	42.56	9.35
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	52.82	10.84
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	37.96	10.35
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.53	11.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	51.35	12.41
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	77.45	13.24
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	110.62	14.48
06 52 13 00-0023		Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*		
06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	177.01	12.41
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	237.97	14.48
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	306.65	16.55
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	212.64	12.41
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	256.28	14.48
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	377.93	16.55
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	270.44	12.41
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	328.52	14.48
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	437.64	16.55
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	179.90	12.41
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	243.75	14.48
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	312.43	16.55
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	179.90	12.41
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	216.78	14.48
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	288.35	16.55

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	SF	12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	48.94	5.10

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	4.83	1.85
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	5.92	2.31
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	4.62	1.95

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	4.54	1.85
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	5.37	1.95
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	6.91	2.04
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	7.78	2.13
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	8.79	2.22
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	10.87	2.31

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	7.06	1.85
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	9.33	2.31
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	9.65	2.31
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	9.97	2.31
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	12.83	2.78
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	14.83	2.78

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	6.21	1.85
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	6.82	1.85
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	8.19	1.85
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	10.57	1.85

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	2.56	1.02
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	2.72	1.02
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	3.49	1.21
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	3.49	1.21
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	4.21	1.21
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	5.42	1.39
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	6.93	1.39

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0033		Chair Rail, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	4.12	1.39
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	5.54	1.85
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	6.47	1.85
06 65 00 00-0037		Door, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	3.88	1.67
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	3.90	1.67
06 65 00 00-0040		Trim, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	4.21	1.95
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	4.55	1.95
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	4.91	1.85
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	5.47	1.85
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	4.36	1.85
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	5.87	1.85
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	4.67	1.85
06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard *(06 65)*		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	2.61	0.74
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	3.60	0.83
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	4.64	0.92
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	5.52	0.95
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	6.46	0.98
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.11	0.74
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.37	0.83
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	5.50	0.92
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	6.69	0.95
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	7.77	0.98
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	6.42	0.95
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	8.36	0.98
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	4.57	0.83
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	6.45	0.92

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001		Molded Fiberglass Gratings And Coverings *(06 74 13)*		
06 74 13 00-0002		Vi-Corr Resin System *(06 74 13 00-0001)*		
		Note: Orange or dark gray.		
06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	33.07	1.54
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	32.12	1.54
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	41.90	1.54
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	45.39	1.96
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	34.70	1.54
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	33.72	1.54
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	44.26	1.54
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	47.61	1.96
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	31.32	1.23
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	50.73	1.35
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	69.50	1.49
06 74 13 00-0014		IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	30.41	1.54
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	28.49	1.54
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	36.65	1.54
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.56	1.96
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	31.75	1.54
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	29.25	1.54
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	39.84	1.96
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	41.76	1.96
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	27.61	1.23
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	39.09	1.35
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	53.68	1.49
06 74 13 00-0026		Corvex Polyester Resin *(06 74 13 00-0001)*		
		Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	25.81	1.54
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	24.79	1.54

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	30.05	1.54
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	34.55	1.96
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	27.51	1.54
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	26.47	1.54
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	32.01	1.54
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	36.23	1.96
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	24.38	1.23
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	38.92	1.35
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	53.96	1.49
06 74 13 00-0038		XFR Extra Fire Retardant *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	37.96	1.54
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	36.86	1.54
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	50.45	1.54
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.91	1.96
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	39.62	1.54
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	38.54	1.54
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	52.41	1.54
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	56.29	1.96
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	35.87	1.23
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	58.02	1.35
06 74 13 00-0049		ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	38.93	1.54
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	37.76	1.54
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	49.10	1.54
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.63	1.96
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	40.47	1.54
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	39.50	1.54
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	50.99	1.54
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	54.55	1.96
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	40.10	1.23
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	72.29	1.35
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)* Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.69	1.96
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.57	1.54
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.31	1.96
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	28.95	1.54
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	21.60	1.96
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	19.13	1.54
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	24.74	1.96
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.34	1.54
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.27	1.96
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.24	1.54
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	35.15	1.96
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	32.98	1.54
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	27.49	1.96
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	25.09	1.54
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.15	1.96
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	30.05	1.96
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	36.32	1.96
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	34.27	1.96
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	29.32	1.54
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.22	1.54
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	32.98	1.54
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	37.87	1.54
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	22.50	1.54
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	20.10	1.54
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	25.84	1.54
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	23.70	1.54

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	32.19	1.54
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	29.13	1.54
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	36.81	1.54
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	34.37	1.54
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	28.93	1.54
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	26.65	1.54
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	28.53	1.96
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.30	1.96
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	38.25	1.96
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	37.14	1.96

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001 Fiberglass Castings *(06 82)*

06 82 00 00-0002 Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	7.27	2.56
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	7.62	2.56
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.49	3.07
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.87	3.07
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	14.96	3.07
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	15.96	3.07
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	17.32	3.07
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	19.46	3.07
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	46.40	3.83
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	53.33	3.83

06 82 00 00-0013 Fiberglass Channels *(06 82 00 00-0001)*

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.40	3.83
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	8.75	3.83
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	17.38	4.35
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	17.38	4.35
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	27.11	4.35
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	31.49	4.35
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	25.48	4.35
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	30.84	4.35
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	38.82	5.97
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	44.47	5.97

06 82 00 00-0024 Fiberglass Wide Flange Beams *(06 82 00 00-0001)*

06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	23.78	5.11
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	25.97	5.11
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	30.41	6.14
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	31.45	6.14
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	48.89	7.68
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	61.21	7.68
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	108.05	9.38
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	121.53	9.38

06 82 00 00-0033 Fiberglass Flat Sheet *(06 82 00 00-0001)*

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	19.67	4.35
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	20.53	4.35
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	30.78	5.11
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	35.36	5.11
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	41.71	6.14
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.58	6.14
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	56.20	7.68
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	66.72	7.68

06 82 00 00-0042 Fiberglass Bars *(06 82 00 00-0001)*

06 82 00 00-0043 Square Bars *(06 82 00 00-0042)*

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.73	3.07
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.76	4.52
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	19.64	5.97

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.58	2.56
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	16.14	3.83
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	18.23	3.83
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	24.07	3.83
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	28.75	4.35
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	8.53	2.56
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	9.20	2.56
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	12.55	3.07
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	13.74	3.07
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	23.81	3.83
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	26.56	3.83
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	28.03	4.61
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	35.69	4.61
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	8.17	2.56
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	8.48	2.56
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	15.20	3.07
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	16.21	3.07
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.94	1.96
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	11.63	1.96
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	13.34	2.21
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.69	2.21
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.22	2.21
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	21.53	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	9.23	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	34.69	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.58	0.27
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.58	0.27
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.58	0.27
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.58	0.27
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.58	0.27
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	75.85	13.40
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	88.15	13.40
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	100.45	13.40
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	112.75	13.40
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	83.23	13.40
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	97.38	13.40
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	111.52	13.40
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	125.67	13.40
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	94.55	13.40
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	111.52	13.40
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	128.50	13.40
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	145.47	13.40
06 82 00 00-0104		**12" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	82.88	13.40
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	96.94	13.40
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	111.00	13.40
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	125.06	13.40
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	91.32	13.40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	107.48	13.40
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	123.65	13.40
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	139.82	13.40
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	104.25	13.40
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	123.65	13.40
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	143.05	13.40
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	162.45	13.40

06 82 00 00-0117 Other Fiberglass *(06 82)*

06 82 00 00-0118 Fiberglass Splash Blocks *(06 82 00 00-0117)*

06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	11.65	2.72

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*

Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim	4.03	1.36

END OF SECTION 06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection *(07)*

07 01 50 Maintenance Of Membrane Roofing *(07 01)*

07 01 50 19 Preparation For Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal	20.01	
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	35.32	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	19.09	
07 01 50 81-0003	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	17.15	
07 01 50 81-0004	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	15.64	
07 01 50 81-0005	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	14.55	
07 01 50 81-0006	SF	Roof Repair, Membrane Roofing, Up To 10 SF	21.71	
07 01 50 81-0007	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	19.78	
07 01 50 81-0008	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	18.26	
07 01 50 81-0009	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	17.17	
07 01 50 81-0010	SF	Roof Repair, Shingle Roofing, Up To 10 SF	16.47	
07 01 50 81-0011	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	14.80	
07 01 50 81-0012	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	13.54	
07 01 50 81-0013	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	12.72	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	5.71	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	78.75	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	349.95	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	3.49	1.49

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.12
		For Up To 100, Add	*0.09*
		For >100 To 250, Add	*0.04*
		For >250 To 500, Add	*0.02*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.01*
		For >15,000 To 30,000, Deduct	*-0.02*
		For >30,000, Deduct	*-0.02*

07 05 Common Work Results For Thermal And Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,053.22	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	788.02	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	526.61	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	262.68	

07 10 Dampproofing And Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	122.38	
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	192.48	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	206.99	
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On	315.79	

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	99.87	
07 11 13 00-0009	CSF	2 Coats, Asphaltic Paint Dampproofing, Brushed On	183.97	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5-20 SF)	28.59	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	215.94	85.39
		For 30 LB Felt, Add	*33.87*	
		For Application To Horizontal Surfaces, Deduct	*-25.62*	
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	263.20	96.07
		For 30 LB Felt, Add	*53.30*	
		For Application To Horizontal Surfaces, Deduct	*-28.82*	
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	310.44	106.74
		For 30 LB Felt, Add	*72.73*	
		For Application To Horizontal Surfaces, Deduct	*-32.02*	
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	357.69	117.41
		For 30 LB Felt, Add	*92.15*	
		For Application To Horizontal Surfaces, Deduct	*-35.22*	
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	404.95	128.08
		For 30 LB Felt, Add	*111.59*	
		For Application To Horizontal Surfaces, Deduct	*-38.43*	

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	212.00	84.38
		For Application To Horizontal Surfaces, Deduct	*-28.14*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	286.93	87.63
		For Application To Horizontal Surfaces, Deduct	*-29.21*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	377.28	91.31
		For Application To Horizontal Surfaces, Deduct	*-30.43*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	422.94	94.99
		For Application To Horizontal Surfaces, Deduct	*-31.67*	

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	6.02	0.87
		For Floor Surfaces, Deduct	*-0.87*	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	414.71	122.68
		For Application To Horizontal Surfaces, Deduct	*-36.80*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	492.89	122.68
		For Application To Horizontal Surfaces, Deduct	*-36.80*	

07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	99.17	30.67
		For Joint Taping, Add	*12.03*	
		For Each Additional Ply, Add	*72.49*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	120.95	30.67
		For Joint Taping, Add	*13.12*	
		For Each Additional Ply, Add	*87.74*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0009		Butyl With Nylon *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	111.62	30.67
		For Joint Taping, Add	*12.65*	
		For Each Additional Ply, Add	*81.21*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	125.62	30.67
		For Joint Taping, Add	*13.35*	
		For Each Additional Ply, Add	*91.01*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0012		Neoprene Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	183.24	30.67
		For Joint Taping, Add	*16.23*	
		For Each Additional Ply, Add	*131.34*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	275.94	30.67
		For Joint Taping, Add	*20.86*	
		For Each Additional Ply, Add	*196.23*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0015		Neoprene With Nylon *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	192.92	30.67
		For Joint Taping, Add	*16.71*	
		For Each Additional Ply, Add	*138.12*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	291.39	30.67
		For Joint Taping, Add	*21.64*	
		For Each Additional Ply, Add	*207.05*	
		For Application To Horizontal Surfaces, Deduct	*-4.61*	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	29.02	11.30
		For Joint Taping, Add	*7.21*	
		For Each Additional Ply, Add	*22.82*	
		For Application To Horizontal Surfaces, Deduct	*-3.75*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	29.60	11.30
		For Joint Taping, Add	*7.23*	
		For Each Additional Ply, Add	*23.22*	
		For Application To Horizontal Surfaces, Deduct	*-3.75*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	44.30	11.30
		For Joint Taping, Add	*7.97*	
		For Each Additional Ply, Add	*33.51*	
		For Application To Horizontal Surfaces, Deduct	*-3.75*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar.	144.33	11.30
		For Each Additional Ply, Add	*103.81*	
		For Application To Horizontal Surfaces, Deduct	*-4.17*	
07 13 53 00-0023		Plastic Vapor Barrier (PVC) *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	49.66	12.51
		For Joint Taping, Add	*8.24*	
		For Each Additional Ply, Add	*37.26*	
		For Application To Horizontal Surfaces, Deduct	*-3.75*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	68.52	12.97
		For Joint Taping, Add	*9.40*	
		For Each Additional Ply, Add	*50.56*	
		For Application To Horizontal Surfaces, Deduct	*-3.89*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	94.06	13.43
		For Joint Taping, Add	*10.88*	
		For Each Additional Ply, Add	*68.53*	
		For Application To Horizontal Surfaces, Deduct	*-4.03*	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier *(07 13 53)*		
07 13 53 00-0028	CSF	Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints	34.52	11.58

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.65	
		For Application To Horizontal Surfaces, Deduct	*-0.16*	
		For Reinforcing Fabric, Add	*0.35*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.91	
		For Application To Horizontal Surfaces, Deduct	*-0.17*	
		For Reinforcing Fabric, Add	*0.35*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	3.23	
		For Application To Horizontal Surfaces, Deduct	*-0.37*	
07 14 16 00-0003	SF	90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	3.73	
		For Application To Horizontal Surfaces, Deduct	*-0.39*	
07 14 16 00-0004	SF	120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	4.27	
		For Application To Horizontal Surfaces, Deduct	*-0.41*	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat	2.22	

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	3.46	

07 14 16 00-0009 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0010	CSF	Fluid Neoprene, 1/8" Fiberglass Reinforced	397.99	
		For Application To Horizontal Surfaces, Deduct	*-44.69*	
07 14 16 00-0011	CSF	Fluid Neoprene, 50 Mil, 4 Coats	828.99	
		For Application To Horizontal Surfaces, Deduct	*-87.67*	
07 14 16 00-0012	CSF	Fluid Neoprene, 90 Mil, 4 Coats	1,365.30	
		For Application To Horizontal Surfaces, Deduct	*-131.44*	

07 16 Cementitious And Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	3.61	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	4.24	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	370.12	
		For Application To Horizontal Surfaces, Deduct	*-48.65*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	364.60	100.68
		For Application To Horizontal Surfaces, Deduct	*-30.21*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	332.02	106.38
		For Application To Horizontal Surfaces, Deduct	*-32.70*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	460.14	110.94
		For Application To Horizontal Surfaces, Deduct	*-33.27*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	370.96	92.27
		For Application To Horizontal Surfaces, Deduct	*-27.67*	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Acrylic Sealer, Spray On Concrete	1.89	
07 19 13 00-0002	SF	Acrylic Sealer, Spray On Concrete Block/Brick	2.25	
07 19 13 00-0003	SF	Acrylic Sealer, Spray On Stone	2.47	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.44	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.66	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	0.77	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.11	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.32	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.46	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation	2.56	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
07 21 13 13-0003	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.55	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.18*	
07 21 13 13-0004	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation	4.20	0.33
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 13-0005	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	5.53	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.25*	

07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0007	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.15	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
07 21 13 13-0008	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.22	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
07 21 13 13-0009	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.38	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
07 21 13 13-0010	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.54	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0011	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.18	0.33
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 13-0012	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.83	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.25*	
07 21 13 13-0013	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.47	0.34
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.30*	
07 21 13 13-0014	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.10	0.35
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Gypsum, Add	*0.34*	
07 21 13 13-0015	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.75	0.36
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*0.49*	
		For Mechanically Fastened To Gypsum, Add	*0.43*	

07 21 13 13-0016 Extruded Polystyrene, Foam Board Insulation *(07 21 13 13)*

Note: 15 PSI compressive strength.

07 21 13 13-0017	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation	1.30	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
		For 25 PSI Compressive Strength, Add	*0.12*	
		For 40 PSI Compressive Strength, Add	*0.30*	
		For 60 PSI Compressive Strength, Add	*0.48*	
		For 115 PSI Compressive Strength, Add	*2.06*	
07 21 13 13-0018	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation	1.51	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For 40 PSI Compressive Strength, Add	*0.38*	
		For 60 PSI Compressive Strength, Add	*0.60*	
		For 115 PSI Compressive Strength, Add	*2.60*	
07 21 13 13-0019	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation	1.68	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For 40 PSI Compressive Strength, Add	*0.44*	
		For 60 PSI Compressive Strength, Add	*0.69*	
		For 115 PSI Compressive Strength, Add	*3.01*	
07 21 13 13-0020	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation	1.77	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For 40 PSI Compressive Strength, Add	*0.47*	
		For 60 PSI Compressive Strength, Add	*0.75*	
		For 115 PSI Compressive Strength, Add	*3.24*	
07 21 13 13-0021	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation	2.64	0.33
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For 40 PSI Compressive Strength, Add	*0.80*	
		For 60 PSI Compressive Strength, Add	*1.25*	
		For 115 PSI Compressive Strength, Add	*5.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0022	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation	3.52	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.25*	
		For 25 PSI Compressive Strength, Add	*0.47*	
		For 40 PSI Compressive Strength, Add	*1.12*	
		For 60 PSI Compressive Strength, Add	*1.74*	
		For 115 PSI Compressive Strength, Add	*7.66*	
07 21 13 13-0023	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	3.96	0.34
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.30*	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For 40 PSI Compressive Strength, Add	*1.29*	
		For 60 PSI Compressive Strength, Add	*1.99*	
		For 115 PSI Compressive Strength, Add	*8.77*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.69	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.22*	
07 21 13 16-0003	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.47	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.12*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
07 21 13 16-0004	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	3.24	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Gypsum, Add	*0.38*	

07 21 13 16-0005 Fiberglass, Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0006	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.93	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.17*	
07 21 13 16-0007	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	3.27	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.18*	
07 21 13 16-0008	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	4.02	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 16-0009	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.61	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.22*	
07 21 13 16-0010	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	5.21	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.30	0.36
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.09*	
		For Mechanically Fastened To Gypsum, Add	*0.20*	
07 21 13 19-0003	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.53	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.10*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	
07 21 13 19-0004	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.76	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.22*	
07 21 13 19-0005	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	2.19	0.44
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.10*	
		For Mechanically Fastened To Gypsum, Add	*0.24*	
07 21 13 19-0006	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.62	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.12*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
07 21 13 19-0007	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	3.48	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Gypsum, Add	*0.38*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.14	0.37
		For >1,600, Deduct	*-0.10*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.22	0.37
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.25	0.37
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	1.62	0.37
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.35	0.37
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.10	0.46
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	2.23	0.46
		For >1,600, Deduct	*-0.23*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.08	0.37
		For >1,600, Deduct	*-0.09*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.18	0.37
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.55	0.37
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	1.56	0.37
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	1.31	0.37
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	1.99	0.46
		For >1,600, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.16	0.46
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.29	0.37
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.43	0.37
		For >1,600, Deduct	*-0.14*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.55	0.37
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.32	0.46
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.49	0.46
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.17	0.37
		For >1,600, Deduct	*-0.10*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.25	0.37
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.67	0.37
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.36	0.37
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.10	0.46
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.16	0.46
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.27	0.37
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	1.66	0.37
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	2.62	0.37
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	2.97	0.37
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.18	0.37
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.52	0.37
		For >1,600, Deduct	*-0.15*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	2.37	0.37
		For >1,600, Deduct	*-0.26*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	2.67	0.37
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch Natural Cotton Insulation	1.70	0.37
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch Natural Cotton Insulation	1.92	0.37
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch Natural Cotton Insulation	2.14	0.37
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0047	SF	8", R-30 UltraTouch Natural Cotton Insulation	2.90	0.37
		For >1,600, Deduct	*-0.34*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		**Polyurethane Foam Insulation, Sprayed On** *(07 21 19)*		
07 21 19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.01	
07 21 19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.69	
07 21 19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.37	
07 21 19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.05	
07 21 19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.73	
07 21 19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.40	
07 21 19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	1.95	
07 21 19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.05	
07 21 19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.15	
07 21 19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.25	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.34	
07 21 19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.45	
07 21 23		**Loose-Fill Insulation** *(07 21)*		
07 21 23 00-0001		Poured Type, Loose Fill Insulation *(07 21 23)*		
07 21 23 00-0002	CF	R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation	5.45	2.14
07 21 23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation	5.81	2.14
07 21 23 00-0004		Concrete Block Wall Cavity Insulation *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	7.41	2.14
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	7.34	2.14
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		Fiberglass Blown-In Insulation *(07 21 26)*		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.19	0.93
07 21 26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.51	1.12
07 21 26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation	1.67	1.22
07 21 26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation	1.93	1.30
07 21 26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.19	1.39
07 21 26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation	2.38	1.49
07 21 26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation	2.43	1.49
07 21 26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	2.55	1.49
07 21 26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation	2.80	1.49
07 21 26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation	2.81	1.49
07 21 26 00-0013		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	1.64	0.93
07 21 26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.19	1.12
07 21 26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	2.59	1.22
07 21 26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	3.06	1.30
07 21 26 00-0018		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.56	0.93
07 21 26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.11	1.12
07 21 26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.51	1.22
07 21 26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	2.98	1.30
07 21 26 00-0023		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0024		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0023)*		
07 21 26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.21	0.93
07 21 26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.45	1.03
07 21 26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.62	1.12
07 21 26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	1.89	1.22
07 21 26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	1.93	1.22
07 21 26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation	2.23	1.30
07 21 26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation	2.29	1.30
07 21 26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.65	1.39
07 21 26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.03	1.49
07 21 26 00-0034		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0023)*		
07 21 26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.60	0.93
07 21 26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.13	1.12
07 21 26 00-0037	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.51	1.22
07 21 26 00-0038	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	2.95	1.30
07 21 26 00-0039		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0023)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.52	0.93
07 21 26 00-0041	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.05	1.12
07 21 26 00-0042	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.43	1.22
07 21 26 00-0043	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	2.87	1.30
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0002	SF	1" Spray, R2.7 Perlite Insulation	1.88	0.56

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 29 00-0003	SF	1" Spray, R3.7 Fibrous/Cementitious Insulation	1.38	0.56

07 21 29 00-0004 Cellulose Sprayed On Insulation *(07 21 29)*

07 21 29 00-0005	SF	1" Thick - Cellulose Spray-on Insulation	2.66	0.56

07 21 53 Reflective Insulation *(07 21)*

07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*

07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.79	

07 22 Roof And Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.64
		For Hot-Mopped, Deduct	*-0.16*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.20*
		For Mechanically Fastened To Gypsum, Add	*0.31*
07 22 16 00-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.90
		For Hot-Mopped, Deduct	*-0.15*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.22*
		For Mechanically Fastened To Gypsum, Add	*0.33*
07 22 16 00-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	2.15
		For Hot-Mopped, Deduct	*-0.15*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.24*
		For Mechanically Fastened To Gypsum, Add	*0.35*
07 22 16 00-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.61
		For Hot-Mopped, Deduct	*-0.14*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
		For Mechanically Fastened To Concrete, Add	*0.24*
		For Mechanically Fastened To Gypsum, Add	*0.38*
07 22 16 00-0007	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	3.08
		For Hot-Mopped, Deduct	*-0.12*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
		For Mechanically Fastened To Concrete, Add	*0.28*
		For Mechanically Fastened To Gypsum, Add	*0.43*

07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0009	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation	1.77
		For Hot-Mopped, Deduct	*-0.15*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.24*
		For Mechanically Fastened To Gypsum, Add	*0.35*
07 22 16 00-0010	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation	2.08
		For Hot-Mopped, Deduct	*-0.15*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.24*
		For Mechanically Fastened To Gypsum, Add	*0.35*

07 22 16 00-0011 Perlite, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0012	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation	1.58
		For Hot-Mopped, Deduct	*-0.17*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.16*
		For Mechanically Fastened To Gypsum, Add	*0.27*
07 22 16 00-0013	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation	1.73
		For Hot-Mopped, Deduct	*-0.17*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.16*
		For Mechanically Fastened To Gypsum, Add	*0.27*
07 22 16 00-0014	SF	1" Thick, R2.78, Perlite, Roof Board Insulation	1.91
		For Hot-Mopped, Deduct	*-0.17*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*
		For Mechanically Fastened To Concrete, Add	*0.17*
		For Mechanically Fastened To Gypsum, Add	*0.28*
07 22 16 00-0015	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation	2.34
		For Hot-Mopped, Deduct	*-0.17*
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
		For Mechanically Fastened To Concrete, Add	*0.14*
		For Mechanically Fastened To Gypsum, Add	*0.28*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0016	SF	2" Thick, R5.56, Perlite, Roof Board Insulation	2.61	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	

07 22 16 00-0017 Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0018	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation	2.14	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 22 16 00-0019	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation	2.83	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0020	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation	3.64	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	

07 22 16 00-0021 Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0022	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.86	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 22 16 00-0023	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	4.52	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0024	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.85	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	
07 22 16 00-0025	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	7.17	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.26*	
		For Mechanically Fastened To Gypsum, Add	*0.37*	

07 22 16 00-0026 Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0027	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.50	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0028	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.57	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0029	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.73	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0030	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.89	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0031	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.55	
		For Loose-Laid, Deduct	*-0.84*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0032	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.20	
		For Loose-Laid, Deduct	*-0.85*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Gypsum, Add	*0.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0033	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.86	
		For Loose-Laid, Deduct	*-0.86*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.29*	
		For Mechanically Fastened To Gypsum, Add	*0.43*	
07 22 16 00-0034	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.50	
		For Loose-Laid, Deduct	*-0.87*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.35*	
		For Mechanically Fastened To Gypsum, Add	*0.47*	
07 22 16 00-0035	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	5.16	
		For Loose-Laid, Deduct	*-0.89*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*0.62*	
		For Mechanically Fastened To Gypsum, Add	*0.56*	

07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0001)*

Note: 15 PSI compressive strength.

07 22 16 00-0037	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.98	
		For Loose-Laid, Deduct	*-0.80*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For 40 PSI Compressive Strength, Add	*0.44*	
		For 60 PSI Compressive Strength, Add	*0.71*	
		For 115 PSI Compressive Strength, Add	*3.04*	
07 22 16 00-0038	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	2.08	
		For Loose-Laid, Deduct	*-0.80*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For 40 PSI Compressive Strength, Add	*0.47*	
		For 60 PSI Compressive Strength, Add	*0.76*	
		For 115 PSI Compressive Strength, Add	*3.27*	
07 22 16 00-0039	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.51	
		For Loose-Laid, Deduct	*-0.80*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.63*	
		For 60 PSI Compressive Strength, Add	*1.01*	
		For 100 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*4.38*	
07 22 16 00-0040	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.96	
		For Loose-Laid, Deduct	*-0.81*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For 40 PSI Compressive Strength, Add	*0.80*	
		For 60 PSI Compressive Strength, Add	*1.26*	
		For 115 PSI Compressive Strength, Add	*5.48*	
07 22 16 00-0041	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	3.39	
		For Loose-Laid, Deduct	*-0.81*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.19*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For 40 PSI Compressive Strength, Add	*0.96*	
		For 60 PSI Compressive Strength, Add	*1.51*	
		For 100 PSI Compressive Strength, Add	*1.94*	
		For 115 PSI Compressive Strength, Add	*6.59*	
07 22 16 00-0042	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.84	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.47*	
		For 40 PSI Compressive Strength, Add	*1.12*	
		For 60 PSI Compressive Strength, Add	*1.76*	
		For 115 PSI Compressive Strength, Add	*7.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation	4.29	
		For Loose-Laid, Deduct	*-0.83*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.27*	
		For Mechanically Fastened To Gypsum, Add	*0.41*	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For 40 PSI Compressive Strength, Add	*1.29*	
		For 60 PSI Compressive Strength, Add	*2.01*	
		For 115 PSI Compressive Strength, Add	*8.80*	

07 22 16 00-0044 Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0045	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation	1.80	
		For Loose-Laid, Deduct	*-0.80*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.10*	
07 22 16 00-0046	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation	1.86	
		For Loose-Laid, Deduct	*-0.80*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.10*	
07 22 16 00-0047	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation	1.96	
		For Loose-Laid, Deduct	*-0.81*	
		For Hot-Mopped, Deduct	*-0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.11*	
07 22 16 00-0048	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation	2.21	
		For Loose-Laid, Deduct	*-0.81*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0049	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation	2.47	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.33*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0050	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation	2.72	
		For Loose-Laid, Deduct	*-0.82*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0051	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation	2.99	
		For Loose-Laid, Deduct	*-0.83*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.26*	
		For Mechanically Fastened To Gypsum, Add	*0.37*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0052	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation	3.24	
		For Loose-Laid, Deduct	*-0.83*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.27*	
		For Mechanically Fastened To Gypsum, Add	*0.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.23*	

07 22 16 00-0053 High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0054	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation	2.03	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0055 Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0001)*

07 22 16 00-0056	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.94	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0057	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.04	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0058	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.11	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0059	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.15	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	

07 22 16 00-0060 Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0001)*

07 22 16 00-0061	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.90	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0062	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	2.06	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0063	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	2.09	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
		For Mechanically Fastened To Concrete, Add	*0.20*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	

07 22 16 00-0064 Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0001)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0065	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.20	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.27*	
		For Mechanically Fastened To Gypsum, Add	*0.42*	
07 22 16 00-0066	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.35	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.28*	
		For Mechanically Fastened To Gypsum, Add	*0.43*	
07 22 16 00-0067	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.55	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.33*	
		For Mechanically Fastened To Gypsum, Add	*0.46*	
07 22 16 00-0068	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.67	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.33*	
		For Mechanically Fastened To Gypsum, Add	*0.49*	
07 22 16 00-0069	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.98	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.40*	
		For Mechanically Fastened To Gypsum, Add	*0.51*	
07 22 16 00-0070	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	4.10	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.41*	
		For Mechanically Fastened To Gypsum, Add	*0.55*	
07 22 16 00-0071	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	4.32	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.50*	
		For Mechanically Fastened To Gypsum, Add	*0.62*	

07 22 16 00-0072 Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0001)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0073	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.23	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.32*	
		For Mechanically Fastened To Gypsum, Add	*0.45*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0074	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.49	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.33*	
		For Mechanically Fastened To Gypsum, Add	*0.49*	
07 22 16 00-0075	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.80	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.39*	
		For Mechanically Fastened To Gypsum, Add	*0.50*	
07 22 16 00-0076	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.00	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.39*	
		For Mechanically Fastened To Gypsum, Add	*0.53*	
07 22 16 00-0077	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.26	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Gypsum, Add	*0.58*	
07 22 16 00-0078	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.54	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.47*	
		For Mechanically Fastened To Gypsum, Add	*0.59*	
07 22 16 00-0079	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	5.07	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*0.70*	

07 22 16 00-0080 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0081 Tapered Polyisocyanurate Board *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0082 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

07 22 16 00-0083	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.13	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0084	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.47	
		For 25 PSI Compressive Strength, Add	*0.22*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0085	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.81	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0086	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.14	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0087	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.47	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.25*	
07 22 16 00-0088	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.81	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0089	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.15	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0090	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.48	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0091	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.81	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0092	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	9.16	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

07 22 16 00-0094	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.97	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0095	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.64	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0096	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	5.30	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0097	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.98	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0098	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	7.64	
		For 25 PSI Compressive Strength, Add	*0.44*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0099	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	9.33	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

07 22 16 00-0101	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	4.97	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0102	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	7.31	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0103	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	9.66	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	
07 22 16 00-0104	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	12.01	
		For 25 PSI Compressive Strength, Add	*0.67*	
		For Hot-Mopped, Deduct	*-0.62*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*1.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0080)*
Note: Includes polyurethane adhesive.

07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0107	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.76	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0108	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.11	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0109	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.36	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0110	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.60	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0111	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.85	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.25*	
07 22 16 00-0112	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.20	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0113	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.45	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0114	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.70	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0115	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.95	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0116	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	8.30	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0118	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.63	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0119	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.23	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0120	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.73	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0121	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.32	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0122	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.82	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0123	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	8.43	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0125	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	4.48	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0126	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	6.57	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0127	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	8.68	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	
07 22 16 00-0128	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	11.03	
		For Mechanically Fastened To Wood Or Steel, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*1.96*	

07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

07 22 16 00-0131	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.06	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0132	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.40	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0133	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.72	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0134	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.03	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0135	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.35	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.25*	
07 22 16 00-0136	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.69	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0137	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.01	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0138	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.32	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0139	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.63	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0140	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.99	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

07 22 16 00-0142	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.90	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0143	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.56	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0144	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.19	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0145	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.85	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0146	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.48	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0147	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	9.15	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0149	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.87	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0150	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.16	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0151	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	9.46	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	
07 22 16 00-0152	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	11.76	
		For Mechanically Fastened To Wood Or Steel, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*1.96*	

07 22 16 00-0153 Tapered Perlite Board *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0154 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

07 22 16 00-0155	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.94	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0156	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.13	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
07 22 16 00-0157	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.64	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0158	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.17	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0159	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.68	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.25*	
07 22 16 00-0160	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.86	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0161	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.37	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0162	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.90	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0163	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.41	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0164	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	10.61	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0165 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

07 22 16 00-0166	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.69	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.10*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.68*	
07 22 16 00-0167	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.39	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0168	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	6.43	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Add	*-0.03*	
		For Mechanically Fastened To Concrete, Add	*0.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
07 22 16 00-0169	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.11	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0170	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	9.15	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.87*	
07 22 16 00-0171	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	10.86	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	

07 22 16 00-0172 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

07 22 16 00-0173	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.89	
		For Hot-Mopped, Deduct	*-0.25*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.48*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
07 22 16 00-0174	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	8.62	
		For Hot-Mopped, Deduct	*-0.38*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.03*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.79*	
07 22 16 00-0175	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	11.36	
		For Hot-Mopped, Deduct	*-0.49*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.54*	
07 22 16 00-0176	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	14.10	
		For Hot-Mopped, Deduct	*-0.62*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*1.96*	

07 22 16 00-0177 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0178	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.47
07 22 16 00-0179	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.48
07 22 16 00-0180	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.49
07 22 16 00-0181	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.50
07 22 16 00-0182	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.52
07 22 16 00-0183	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.53
07 22 16 00-0184	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.54
07 22 16 00-0185	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.55
07 22 16 00-0186	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.57
07 22 16 00-0187	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.58
07 22 16 00-0188	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.59
07 22 16 00-0189	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.61
07 22 16 00-0190	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.62

07 24 Exterior Insulation And Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation And Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.72
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.46*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.79*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		3.06
		For Up To 100, Add	*0.68*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.48*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.39	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.55*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.90*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.72	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.59*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.94*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.05	
		For Up To 100, Add	*0.71*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.59*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.95*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.70	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.69*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.03*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	3.79	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	4.12	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	4.99	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	5.25	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	1.85	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	2.09	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	3.40	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	4.43	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	3.27	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	3.32	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.70	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	4.04	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.70	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	4.04	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	3.38	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	3.73	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	6.74	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.97	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	0.99	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.26	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.50	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	1.82	
		For Up To 100, Add	*0.42*	
		For >100 To 500, Add	*0.21*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.55	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.73	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.95	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	3.39	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.73	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.95	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.16	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.65	

07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	2.53	
		For Up To 100, Add	*1.27*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	23.20	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex"	21.96	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute"	25.94	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute"	31.77	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	32.82	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	70.35	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape	98.98	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	138.20	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	186.27	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	53.57	

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	8.94	2.78
		For Up To 50, Add	*3.52*	
		For >50 To 200, Add	*1.98*	
		For >200 To 500, Add	*0.72*	
		For >2,500, Deduct	*-0.45*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	9.69	2.78
		For Up To 50, Add	*3.84*	
		For >50 To 200, Add	*2.16*	
		For >200 To 500, Add	*0.78*	
		For >2,500, Deduct	*-0.48*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	3.95	1.85
		For Up To 50, Add	*1.94*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.37*	
		For >2,500, Deduct	*-0.20*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	7.19	2.78
		For Up To 50, Add	*3.47*	
		For >50 To 200, Add	*1.91*	
		For >200 To 500, Add	*0.66*	
		For >2,500, Deduct	*-0.36*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	5.23	1.85
		For Up To 50, Add	*2.13*	
		For >50 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.43*	
		For >2,500, Deduct	*-0.26*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF	6.56	1.85
		For Up To 50, Add	*2.22*	
		For >50 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.48*	
		For >2,500, Deduct	*-0.33*	

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0002		SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	237.83	154.05
			For >35 To 75, Deduct	*-9.77*	
			For >75 To 100, Deduct	*-15.23*	
			For >100 To 200, Deduct	*-22.64*	
			For >200, Deduct	*-33.56*	
			For Steep Roof, Over 7 To 12, Add	*44.83*	
07 31 13 00-0003		SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	249.41	161.78
			For >35 To 75, Deduct	*-10.23*	
			For >75 To 100, Deduct	*-15.96*	
			For >100 To 200, Deduct	*-23.73*	
			For >200, Deduct	*-35.18*	
			For Steep Roof, Over 7 To 12, Add	*47.06*	
07 31 13 00-0004		SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	289.30	169.85
			For >35 To 75, Deduct	*-13.48*	
			For >75 To 100, Deduct	*-20.04*	
			For >100 To 200, Deduct	*-29.30*	
			For >200, Deduct	*-42.41*	
			For Steep Roof, Over 7 To 12, Add	*49.43*	

07 31 13 00-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 00-0006		SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	296.45	196.66
			For >35 To 75, Deduct	*-11.77*	
			For >75 To 100, Deduct	*-18.59*	
			For >100 To 200, Deduct	*-27.77*	
			For >200, Deduct	*-41.41*	
			For Steep Roof, Over 7 To 12, Add	*57.20*	
07 31 13 00-0007		SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	314.62	187.24
			For >35 To 75, Deduct	*-14.44*	
			For >75 To 100, Deduct	*-21.58*	
			For >100 To 200, Deduct	*-31.61*	
			For >200, Deduct	*-45.90*	
			For Steep Roof, Over 7 To 12, Add	*54.49*	
07 31 13 00-0008		SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	340.69	206.50
			For >35 To 75, Deduct	*-15.29*	
			For >75 To 100, Deduct	*-23.05*	
			For >100 To 200, Deduct	*-33.86*	
			For >200, Deduct	*-49.36*	
			For Steep Roof, Over 7 To 12, Add	*60.08*	
07 31 13 00-0009		SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	329.79	178.34
			For >35 To 75, Deduct	*-16.77*	
			For >75 To 100, Deduct	*-24.17*	
			For >100 To 200, Deduct	*-34.93*	
			For >200, Deduct	*-49.75*	
			For Steep Roof, Over 7 To 12, Add	*51.88*	
07 31 13 00-0010		SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	369.88	216.83
			For >35 To 75, Deduct	*-17.28*	
			For >75 To 100, Deduct	*-25.66*	
			For >100 To 200, Deduct	*-37.50*	
			For >200, Deduct	*-54.27*	
			For Steep Roof, Over 7 To 12, Add	*63.07*	
07 31 13 00-0011		SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	395.21	216.83
			For >35 To 75, Deduct	*-19.81*	
			For >75 To 100, Deduct	*-28.70*	
			For >100 To 200, Deduct	*-41.55*	
			For >200, Deduct	*-59.33*	
			For Steep Roof, Over 7 To 12, Add	*63.07*	
07 31 13 00-0012		SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	431.50	239.01
			For >35 To 75, Deduct	*-21.42*	
			For >75 To 100, Deduct	*-31.13*	
			For >100 To 200, Deduct	*-45.13*	
			For >200, Deduct	*-64.57*	
			For Steep Roof, Over 7 To 12, Add	*69.55*	
07 31 13 00-0013		SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	428.29	227.68
			For >35 To 75, Deduct	*-22.14*	
			For >75 To 100, Deduct	*-31.74*	
			For >100 To 200, Deduct	*-45.77*	
			For >200, Deduct	*-64.97*	
			For Steep Roof, Over 7 To 12, Add	*66.21*	
07 31 13 00-0014		SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	426.35	216.83
			For >35 To 75, Deduct	*-22.93*	
			For >75 To 100, Deduct	*-32.44*	
			For >100 To 200, Deduct	*-46.54*	
			For >200, Deduct	*-65.56*	
			For Steep Roof, Over 7 To 12, Add	*63.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	499.68	239.01
		For >35 To 75, Deduct	*-28.24*	
		For >75 To 100, Deduct	*-39.32*	
		For >100 To 200, Deduct	*-56.04*	
		For >200, Deduct	*-78.20*	
		For Steep Roof, Over 7 To 12, Add	*69.55*	
07 31 13 00-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	517.44	239.01
		For >35 To 75, Deduct	*-30.01*	
		For >75 To 100, Deduct	*-41.45*	
		For >100 To 200, Deduct	*-58.88*	
		For >200, Deduct	*-81.76*	
		For Steep Roof, Over 7 To 12, Add	*69.55*	
07 31 13 00-0017	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	574.94	263.56
		For >35 To 75, Deduct	*-33.53*	
		For >75 To 100, Deduct	*-46.23*	
		For >100 To 200, Deduct	*-65.63*	
		For >200, Deduct	*-91.03*	
		For Steep Roof, Over 7 To 12, Add	*76.68*	
07 31 13 00-0018	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	566.59	250.95
		For >35 To 75, Deduct	*-33.84*	
		For >75 To 100, Deduct	*-46.31*	
		For >100 To 200, Deduct	*-65.55*	
		For >200, Deduct	*-90.50*	
		For Steep Roof, Over 7 To 12, Add	*73.02*	

07 31 13 00-0019 Accessories *(07 31 13)*

07 31 13 00-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	5.43	0.93
07 31 13 00-0021	LF	Three Tab Hip And Ridge Shingles	3.32	2.30
07 31 13 00-0022	LF	Architectural Hip And Ridge Shingles	4.02	2.55
07 31 13 00-0023	SQ	Demolish Additional Layers Of Shingles	84.04	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	679.27	146.08
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	942.05	159.66
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	12.65	2.11
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	13.28	2.11
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section For Above, 0.020" Thick	7.93	2.11
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section For Above, 0.030" Thick	9.19	2.11

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge Steel Shingles, Galvanized	388.89	131.44
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-5.04*	
		For >75 To 100, Deduct	*-15.39*	
		For >100 To 200, Deduct	*-27.00*	
		For >200, Deduct	*-37.35*	
		For Steep Roof, Over 7 To 12, Add	*84.13*	
07 31 16 00-0010	SQ	26 Gauge Steel Shingles, Galvanized	376.28	130.39
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-4.62*	
		For >75 To 100, Deduct	*-14.61*	
		For >100 To 200, Deduct	*-25.75*	
		For >200, Deduct	*-35.73*	
		For Steep Roof, Over 7 To 12, Add	*83.42*	
07 31 16 00-0011	SQ	24 Gauge Steel Shingles, Galvanized And Bonderized	570.32	130.39
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-12.39*	
		For >75 To 100, Deduct	*-28.19*	
		For >100 To 200, Deduct	*-47.09*	
		For >200, Deduct	*-62.90*	
		For Steep Roof, Over 7 To 12, Add	*83.42*	
07 31 16 00-0012	SQ	26 Gauge Steel Shingles, Galvanized And Bonderized	532.14	130.39
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-10.86*	
		For >75 To 100, Deduct	*-25.52*	
		For >100 To 200, Deduct	*-42.89*	
		For >200, Deduct	*-57.55*	
		For Steep Roof, Over 7 To 12, Add	*83.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013	LF	Ridge Or Valley	6.09	1.76
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.11*	
		For >75 To 100, Deduct	*-0.27*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.63*	
		For Steep Roof, Over 7 To 12, Add	*1.10*	

07 31 19 Mineral-Fiber Cement Shingles *(07 31)*

07 31 19 00-0001 Mineral Fiber Shingles *(07 31 19)*

07 31 19 00-0002	SQ	Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ	516.96	87.63
		For Steep Roof, Over 7 To 12, Add	*56.08*	
07 31 19 00-0003	SQ	Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ	754.44	159.49
		For Steep Roof, Over 7 To 12, Add	*102.07*	
07 31 19 00-0004	SQ	Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ	527.96	116.98
		For Steep Roof, Over 7 To 12, Add	*74.86*	
07 31 19 00-0005	SQ	Mineral Fiber, Square, 16" X 16", per SQ	496.18	116.98
		For Steep Roof, Over 7 To 12, Add	*74.86*	
07 31 19 00-0006	CLF	Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF	402.41	116.98
07 31 19 00-0007	CLF	Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF	1,304.96	350.51
07 31 19 00-0008	CLF	Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF	1,360.59	350.51

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 LB felt and fasteners.

07 31 26 00-0001 Shingles Including 30 LB Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	994.60	224.19
		For >50 To 75, Deduct	*-19.86*	
		For >75 To 100, Deduct	*-47.20*	
		For >100 To 200, Deduct	*-79.52*	
		For >200, Deduct	*-106.86*	
		For Graduated Shapes, Add	*74.47*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,132.64	224.19
		For >50 To 75, Deduct	*-25.38*	
		For >75 To 100, Deduct	*-56.87*	
		For >100 To 200, Deduct	*-94.70*	
		For >200, Deduct	*-126.19*	
		For Graduated Shapes, Add	*95.17*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,091.23	224.19
		For >50 To 75, Deduct	*-23.72*	
		For >75 To 100, Deduct	*-53.97*	
		For >100 To 200, Deduct	*-90.15*	
		For >200, Deduct	*-120.39*	
		For Graduated Shapes, Add	*88.96*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,105.03	224.19
		For >50 To 75, Deduct	*-24.27*	
		For >75 To 100, Deduct	*-54.93*	
		For >100 To 200, Deduct	*-91.66*	
		For >200, Deduct	*-122.32*	
		For Graduated Shapes, Add	*91.03*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,160.25	224.19
		For >50 To 75, Deduct	*-26.48*	
		For >75 To 100, Deduct	*-58.80*	
		For >100 To 200, Deduct	*-97.74*	
		For >200, Deduct	*-130.05*	
		For Graduated Shapes, Add	*99.31*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,091.23	224.19
		For >50 To 75, Deduct	*-23.72*	
		For >75 To 100, Deduct	*-53.97*	
		For >100 To 200, Deduct	*-90.15*	
		For >200, Deduct	*-120.39*	
		For Graduated Shapes, Add	*88.96*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,049.82	224.19
		For >50 To 75, Deduct	*-22.07*	
		For >75 To 100, Deduct	*-51.07*	
		For >100 To 200, Deduct	*-85.59*	
		For >200, Deduct	*-114.59*	
		For Graduated Shapes, Add	*82.75*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	1,912.40	224.19
		For >50 To 75, Deduct	*-56.57*	
		For >75 To 100, Deduct	*-111.45*	
		For >100 To 200, Deduct	*-180.47*	
		For >200, Deduct	*-235.36*	
		For Graduated Shapes, Add	*212.14*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,091.23	224.19
		For >50 To 75, Deduct	*-23.72*	
		For >75 To 100, Deduct	*-53.97*	
		For >100 To 200, Deduct	*-90.15*	
		For >200, Deduct	*-120.39*	
		For Graduated Shapes, Add	*88.96*	
		For Steep Roof, Over 7 To 12, Add	*159.41*	

07 31 29 Wood Shingles And Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	633.32	185.29
		For Steep Roof, Over 7 To 12, Add	*118.58*	
		For CCA Treated, Add	*39.41*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	461.86	138.96
		For Steep Roof, Over 7 To 12, Add	*88.94*	
		For CCA Treated, Add	*27.59*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	558.03	157.49
		For Steep Roof, Over 7 To 12, Add	*100.80*	
		For CCA Treated, Add	*36.46*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	457.47	129.70
		For Steep Roof, Over 7 To 12, Add	*83.01*	
		For CCA Treated, Add	*29.71*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	576.60	122.75
		For Steep Roof, Over 7 To 12, Add	*78.56*	
		For CCA Treated, Add	*49.66*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	451.80	104.22
		For Steep Roof, Over 7 To 12, Add	*66.70*	
		For CCA Treated, Add	*36.50*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	464.89	166.76
		For CCA Treated, Add	*19.71*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	451.59	157.49
		For CCA Treated, Add	*20.49*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	447.12	136.65
		For CCA Treated, Add	*26.07*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	601.32	194.55
		For Steep Roof, Over 7 To 12, Add	*124.51*	
		For CCA Treated, Add	*31.83*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	537.74	176.02
		For Steep Roof, Over 7 To 12, Add	*112.65*	
		For CCA Treated, Add	*27.86*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	566.70	176.02
		For Steep Roof, Over 7 To 12, Add	*112.65*	
		For CCA Treated, Add	*32.20*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	505.95	157.49
		For Steep Roof, Over 7 To 12, Add	*100.80*	
		For CCA Treated, Add	*28.64*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	476.50	122.75
		For Steep Roof, Over 7 To 12, Add	*78.56*	
		For CCA Treated, Add	*34.65*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	393.00	106.54
		For Steep Roof, Over 7 To 12, Add	*68.19*	
		For CCA Treated, Add	*26.99*	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	458.15	176.02
		For CCA Treated, Add	*15.92*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	440.84	166.76
		For CCA Treated, Add	*16.10*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	417.73	148.23
		For CCA Treated, Add	*18.19*	

07 31 29 16 Wood Shakes *(07 31 29)*

07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*

07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	470.87	150.54
		For Steep Roof, Over 7 To 12, Add	*96.35*	
		For CCA Treated, Add	*25.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	527.46	150.54
		For Steep Roof, Over 7 To 12, Add	*96.35*	
		For CCA Treated, Add	*33.96*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	478.96	122.75
		For Steep Roof, Over 7 To 12, Add	*78.56*	
		For CCA Treated, Add	*35.02*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	503.01	122.75
		For Steep Roof, Over 7 To 12, Add	*78.56*	
		For CCA Treated, Add	*38.63*	

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*

07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	494.03	162.13
		For CCA Treated, Add	*25.47*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	550.62	162.13
		For CCA Treated, Add	*33.96*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	511.38	138.96
		For CCA Treated, Add	*35.02*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	535.43	138.96
		For CCA Treated, Add	*38.63*	

07 31 29 19 Wood Shingles And Shakes Cap *(07 31 29)*

07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 19)*

07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	7.29	1.21
		For Steep Roof, Over 7 To 12, Add	*0.90*	
		For CCA Treated Ridge, Add	*0.67*	

07 31 33 Composite Rubber Shingles *(07 31)*

07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	855.14	195.76
		For Purple Or Green Color, Add	*74.19*	
		For Brown Or Red Color, Add	*190.10*	
		For Steep Roof, Over 7 To 12, Add	*125.27*	
		For >50 To 75, Deduct	*-11.59*	
		For >75 To 100, Deduct	*-32.97*	
		For >100 To 200, Deduct	*-54.35*	
		For >200, Deduct	*-85.51*	
		For 6.5" Exposure, Add	*59.22*	
		For 6.0" Exposure, Add	*118.43*	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	1,164.26	195.76
		For Purple, Green, Brown Or Red, Add	*115.92*	
		For Steep Roof, Over 7 To 12, Add	*125.27*	
		For >50 To 75, Deduct	*-19.32*	
		For >75 To 100, Deduct	*-48.43*	
		For >100 To 200, Deduct	*-77.53*	
		For >200, Deduct	*-116.43*	
		For 6.5" Exposure, Add	*81.30*	
		For 6.0" Exposure, Add	*162.59*	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	982.42	195.76
		For Purple, Green, Brown Or Red, Add	*212.74*	
		For Steep Roof, Over 7 To 12, Add	*125.27*	
		For >50 To 75, Deduct	*-14.77*	
		For >75 To 100, Deduct	*-39.33*	
		For >100 To 200, Deduct	*-63.89*	
		For >200, Deduct	*-98.24*	
		For 6.5" Exposure, Add	*68.31*	
		For 6.0" Exposure, Add	*136.62*	
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	1,227.90	195.76
		For Purple, Green, Brown Or Red, Add	*92.01*	
		For Steep Roof, Over 7 To 12, Add	*125.27*	
		For >50 To 75, Deduct	*-20.91*	
		For >75 To 100, Deduct	*-51.61*	
		For >100 To 200, Deduct	*-82.31*	
		For >200, Deduct	*-122.79*	
		For 6.5" Exposure, Add	*85.84*	
		For 6.0" Exposure, Add	*171.68*	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	11.71	1.31

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, fasteners, felt underlayment and 90# cap sheet.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	2,077.07	212.62
		For >25 To 50, Deduct	*-99.11*	
		For >50 To 75, Deduct	*-175.81*	
		For >75 To 100, Deduct	*-236.00*	
		For >100 To 200, Deduct	*-279.66*	
		For >200, Deduct	*-306.81*	
		For 20 Year Warranty, Add	*115.63*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	2,623.23	212.62
		For >25 To 50, Deduct	*-131.88*	
		For >50 To 75, Deduct	*-230.43*	
		For >75 To 100, Deduct	*-307.00*	
		For >100 To 200, Deduct	*-361.59*	
		For >200, Deduct	*-394.20*	
		For 20 Year Warranty, Add	*153.86*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	2,623.23	212.62
		For >25 To 50, Deduct	*-131.88*	
		For >50 To 75, Deduct	*-230.43*	
		For >75 To 100, Deduct	*-307.00*	
		For >100 To 200, Deduct	*-361.59*	
		For >200, Deduct	*-394.20*	
		For 20 Year Warranty, Add	*153.86*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	3,086.65	212.62
		For >25 To 50, Deduct	*-159.68*	
		For >50 To 75, Deduct	*-276.77*	
		For >75 To 100, Deduct	*-367.24*	
		For >100 To 200, Deduct	*-431.10*	
		For >200, Deduct	*-468.35*	
		For 20 Year Warranty, Add	*186.30*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	2,465.34	259.96
		For >25 To 50, Deduct	*-116.73*	
		For >50 To 75, Deduct	*-207.54*	
		For >75 To 100, Deduct	*-278.90*	
		For >100 To 200, Deduct	*-330.81*	
		For >200, Deduct	*-363.26*	
		For 20 Year Warranty, Add	*136.18*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	3,280.57	259.96
		For >25 To 50, Deduct	*-165.64*	
		For >50 To 75, Deduct	*-289.06*	
		For >75 To 100, Deduct	*-384.88*	
		For >100 To 200, Deduct	*-453.09*	
		For >200, Deduct	*-493.70*	
		For 20 Year Warranty, Add	*193.25*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	4,140.43	350.70
		For >25 To 50, Deduct	*-206.35*	
		For >50 To 75, Deduct	*-361.45*	
		For >75 To 100, Deduct	*-482.16*	
		For >100 To 200, Deduct	*-568.48*	
		For >200, Deduct	*-620.40*	
		For 20 Year Warranty, Add	*240.75*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	2,057.46	259.96
		For >25 To 50, Deduct	*-92.25*	
		For >50 To 75, Deduct	*-166.75*	
		For >75 To 100, Deduct	*-225.88*	
		For >100 To 200, Deduct	*-269.63*	
		For >200, Deduct	*-298.00*	
		For 20 Year Warranty, Add	*107.63*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	2,717.85	259.96
		For >25 To 50, Deduct	*-131.88*	
		For >50 To 75, Deduct	*-232.79*	
		For >75 To 100, Deduct	*-311.73*	
		For >100 To 200, Deduct	*-368.69*	
		For >200, Deduct	*-403.66*	
		For 20 Year Warranty, Add	*153.86*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,842.51	194.64
		For >25 To 50, Deduct	*-87.19*	
		For >50 To 75, Deduct	*-155.05*	
		For >75 To 100, Deduct	*-208.38*	
		For >100 To 200, Deduct	*-247.18*	
		For >200, Deduct	*-271.44*	
		For 20 Year Warranty, Add	*101.72*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	2,554.18	194.64
		For >25 To 50, Deduct	*-129.89*	
		For >50 To 75, Deduct	*-226.22*	
		For >75 To 100, Deduct	*-300.90*	
		For >100 To 200, Deduct	*-353.93*	
		For >200, Deduct	*-385.31*	
		For 20 Year Warranty, Add	*151.54*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	3,166.55	194.64
		For >25 To 50, Deduct	*-166.63*	
		For >50 To 75, Deduct	*-287.46*	
		For >75 To 100, Deduct	*-380.51*	
		For >100 To 200, Deduct	*-445.78*	
		For >200, Deduct	*-483.29*	
		For 20 Year Warranty, Add	*194.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	3,635.70	305.11
		For >25 To 50, Deduct	*-181.53*	
		For >50 To 75, Deduct	*-317.80*	
		For >75 To 100, Deduct	*-423.82*	
		For >100 To 200, Deduct	*-499.59*	
		For >200, Deduct	*-545.10*	
		For 20 Year Warranty, Add	*211.78*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,365.40	212.62
		For >25 To 50, Deduct	*-56.41*	
		For >50 To 75, Deduct	*-104.64*	
		For >75 To 100, Deduct	*-143.48*	
		For >100 To 200, Deduct	*-172.91*	
		For >200, Deduct	*-192.95*	
		For 20 Year Warranty, Add	*65.81*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,773.77	305.11
		For >25 To 50, Deduct	*-69.81*	
		For >50 To 75, Deduct	*-131.61*	
		For >75 To 100, Deduct	*-181.77*	
		For >100 To 200, Deduct	*-220.30*	
		For >200, Deduct	*-247.19*	
		For 20 Year Warranty, Add	*81.45*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	887.22	322.29
		For >50 To 75, Deduct	*-9.70*	
		For >75 To 100, Deduct	*-33.09*	
		For >100 To 200, Deduct	*-58.91*	
		For >200, Deduct	*-82.31*	
		For Steep Roof, Over 7 To 12, Add	*206.30*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,141.95	322.29
		For >50 To 75, Deduct	*-19.89*	
		For >75 To 100, Deduct	*-50.93*	
		For >100 To 200, Deduct	*-86.93*	
		For >200, Deduct	*-117.97*	
		For Steep Roof, Over 7 To 12, Add	*206.30*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	938.17	322.29
		For >50 To 75, Deduct	*-11.74*	
		For >75 To 100, Deduct	*-36.66*	
		For >100 To 200, Deduct	*-64.52*	
		For >200, Deduct	*-89.44*	
		For Steep Roof, Over 7 To 12, Add	*206.30*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	883.04	288.37
		For >50 To 75, Deduct	*-12.25*	
		For >75 To 100, Deduct	*-35.86*	
		For >100 To 200, Deduct	*-62.53*	
		For >200, Deduct	*-86.13*	
		For Steep Roof, Over 7 To 12, Add	*184.58*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.30
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.83
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.27
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.90
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	5.09

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	22.51	6.31
		For Steep Roof, Over 7 To 12, Add	*4.04*	
		For >50 To 75, Deduct	*-0.40*	
		For >75 To 100, Deduct	*-1.01*	
		For >100 To 200, Deduct	*-1.72*	
		For >200, Deduct	*-2.65*	
07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	33.89	8.67
		For Steep Roof, Over 7 To 12, Add	*5.55*	
		For >50 To 75, Deduct	*-0.66*	
		For >75 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.69*	
		For >200, Deduct	*-4.05*	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	37.00	8.67
		For Steep Roof, Over 7 To 12, Add	*5.55*	
		For >50 To 75, Deduct	*-0.79*	
		For >75 To 100, Deduct	*-1.81*	
		For >100 To 200, Deduct	*-3.03*	
		For >200, Deduct	*-4.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	43.95	13.15
		For Steep Roof, Over 7 To 12, Add	*8.41*	
		For >50 To 75, Deduct	*-0.71*	
		For >75 To 100, Deduct	*-1.89*	
		For >100 To 200, Deduct	*-3.26*	
		For >200, Deduct	*-5.10*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	47.63	13.15
		For Steep Roof, Over 7 To 12, Add	*8.41*	
		For >50 To 75, Deduct	*-0.85*	
		For >75 To 100, Deduct	*-2.15*	
		For >100 To 200, Deduct	*-3.66*	
		For >200, Deduct	*-5.62*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	53.71	13.15
		For Steep Roof, Over 7 To 12, Add	*8.41*	
		For >50 To 75, Deduct	*-1.10*	
		For >75 To 100, Deduct	*-2.58*	
		For >100 To 200, Deduct	*-4.33*	
		For >200, Deduct	*-6.47*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	50.67	13.15
		For Steep Roof, Over 7 To 12, Add	*8.41*	
		For >50 To 75, Deduct	*-0.98*	
		For >75 To 100, Deduct	*-2.36*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-6.04*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	82.30	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-2.02*	
		For >75 To 100, Deduct	*-4.33*	
		For >100 To 200, Deduct	*-7.14*	
		For >200, Deduct	*-10.25*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	117.52	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-3.43*	
		For >75 To 100, Deduct	*-6.79*	
		For >100 To 200, Deduct	*-11.02*	
		For >200, Deduct	*-15.18*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	86.65	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-2.19*	
		For >75 To 100, Deduct	*-4.63*	
		For >100 To 200, Deduct	*-7.62*	
		For >200, Deduct	*-10.86*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	82.30	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-2.02*	
		For >75 To 100, Deduct	*-4.33*	
		For >100 To 200, Deduct	*-7.14*	
		For >200, Deduct	*-10.25*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	112.44	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-3.22*	
		For >75 To 100, Deduct	*-6.44*	
		For >100 To 200, Deduct	*-10.46*	
		For >200, Deduct	*-14.47*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	96.52	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-2.59*	
		For >75 To 100, Deduct	*-5.32*	
		For >100 To 200, Deduct	*-8.71*	
		For >200, Deduct	*-12.24*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	137.54	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-4.23*	
		For >75 To 100, Deduct	*-8.19*	
		For >100 To 200, Deduct	*-13.22*	
		For >200, Deduct	*-17.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	155.50	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-4.95*	
		For >75 To 100, Deduct	*-9.45*	
		For >100 To 200, Deduct	*-15.19*	
		For >200, Deduct	*-20.50*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	222.90	15.95
		For Steep Roof, Over 7 To 12, Add	*10.20*	
		For >50 To 75, Deduct	*-7.64*	
		For >75 To 100, Deduct	*-14.17*	
		For >100 To 200, Deduct	*-22.61*	
		For >200, Deduct	*-29.93*	

07 40 Roofing And Siding Panels *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.11	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.47	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.02	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.58	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.21	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0009	SF	29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	4.90	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	4.77	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	26.29	3.49
		For Steep Roof, Over 7 To 12, Add	*4.44*	
		For Fluoropolymer (Kynar) Coating, Add	*1.24*	
07 41 13 00-0013	LF	Eave Flashing For Galvanized Steel Exposed Fastener Roofing	21.23	3.49
		For Steep Roof, Over 7 To 12, Add	*4.44*	
		For Fluoropolymer (Kynar) Coating, Add	*0.74*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	31.17	3.49
		For Steep Roof, Over 7 To 12, Add	*4.44*	
		For Fluoropolymer (Kynar) Coating, Add	*1.73*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	26.73	3.49
		For Steep Roof, Over 7 To 12, Add	*4.44*	
		For Fluoropolymer (Kynar) Coating, Add	*1.29*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.60	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.78	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.20	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.77	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.35	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.06	0.79
		For Fluoropolymer (Kynar) Coating, Add	*0.41*	
		For Steep Roof, Over 7 To 12, Add	*1.12*	
07 41 13 00-0024		**Aluminum Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0016)*		
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	24.15	3.49
		For Steep Roof, Over 7 To 12, Add	*2.79*	
		For Fluoropolymer (Kynar) Coating, Add	*1.54*	
07 41 13 00-0026	LF	Eave Flashing For Aluminum Exposed Fastener Metal Roofing	17.82	3.49
		For Steep Roof, Over 7 To 12, Add	*2.79*	
		For Fluoropolymer (Kynar) Coating, Add	*0.91*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	30.25	3.49
		For Steep Roof, Over 7 To 12, Add	*2.79*	
		For Fluoropolymer (Kynar) Coating, Add	*2.15*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	24.70	3.49
		For Steep Roof, Over 7 To 12, Add	*2.79*	
		For Fluoropolymer (Kynar) Coating, Add	*1.60*	
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)*		
		Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.28	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.37*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*2.57*	
		For >1,500 To 5,000, Add	*1.54*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.82	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.59*	
		For Up To 1,500, Add	*2.71*	
		For >1,500 To 5,000, Add	*1.62*	
		For >5,000 To 10,000, Add	*0.27*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.81	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.35*	
		For 140 MPH Wind Load, Add	*0.57*	
		For Up To 1,500, Add	*2.45*	
		For >1,500 To 5,000, Add	*1.47*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.00	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.35*	
		For 140 MPH Wind Load, Add	*0.57*	
		For Up To 1,500, Add	*2.50*	
		For >1,500 To 5,000, Add	*1.50*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.21	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.37*	
		For 140 MPH Wind Load, Add	*0.57*	
		For Up To 1,500, Add	*2.55*	
		For >1,500 To 5,000, Add	*1.53*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.99	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.59*	
		For Up To 1,500, Add	*2.75*	
		For >1,500 To 5,000, Add	*1.65*	
		For >5,000 To 10,000, Add	*0.27*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	27.53	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040	LF	Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	21.97	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.55*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	32.91	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.77*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	28.02	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.67*	

07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.

07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*

07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	10.66	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.39*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*2.67*	
		For >1,500 To 5,000, Add	*1.60*	
		For >5,000 To 10,000, Add	*0.27*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	11.11	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.41*	
		For 140 MPH Wind Load, Add	*0.59*	
		For Up To 1,500, Add	*2.78*	
		For >1,500 To 5,000, Add	*1.67*	
		For >5,000 To 10,000, Add	*0.28*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	10.40	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.37*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*2.60*	
		For >1,500 To 5,000, Add	*1.56*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	11.23	1.84
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For Panels <16" Wide, Add	*1.42*	
		For 140 MPH Wind Load, Add	*0.59*	
		For Up To 1,500, Add	*2.81*	
		For >1,500 To 5,000, Add	*1.68*	
		For >5,000 To 10,000, Add	*0.28*	

07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*

07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	30.83	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.73*	
07 41 13 00-0051	LF	Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing	23.87	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.59*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	37.54	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.86*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	31.44	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.74*	

07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	19.96	2.77
		For Steep Roof, Over 6 To 12, Add	*2.08*	
		For Panels <16" Wide, Add	*2.28*	
		For 140 MPH Wind Load, Add	*0.95*	
		For Up To 1,500, Add	*4.99*	
		For >1,500 To 5,000, Add	*2.99*	
		For >5,000 To 10,000, Add	*0.50*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	22.73	2.77
		For Steep Roof, Over 6 To 12, Add	*2.08*	
		For Panels <16" Wide, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.01*	
		For Up To 1,500, Add	*5.68*	
		For >1,500 To 5,000, Add	*3.41*	
		For >5,000 To 10,000, Add	*0.57*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	26.02	2.77
		For Steep Roof, Over 6 To 12, Add	*2.08*	
		For Panels <16" Wide, Add	*2.58*	
		For 140 MPH Wind Load, Add	*1.07*	
		For Up To 1,500, Add	*6.51*	
		For >1,500 To 5,000, Add	*3.90*	
		For >5,000 To 10,000, Add	*0.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	30.24	2.77
		For Steep Roof, Over 6 To 12, Add	*2.08*	
		For Panels <16" Wide, Add	*2.79*	
		For 140 MPH Wind Load, Add	*1.16*	
		For Up To 1,500, Add	*7.56*	
		For >1,500 To 5,000, Add	*4.54*	
		For >5,000 To 10,000, Add	*0.76*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	66.51	5.54
		For Steep Roof, Over 6 To 12, Add	*4.68*	
		For 140 MPH Wind Load, Add	*2.58*	
07 41 13 00-0062	LF	Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	41.86	5.54
		For Steep Roof, Over 6 To 12, Add	*4.68*	
		For 140 MPH Wind Load, Add	*2.09*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	89.81	5.54
		For Steep Roof, Over 6 To 12, Add	*4.68*	
		For 140 MPH Wind Load, Add	*3.05*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	68.35	5.54
		For Steep Roof, Over 6 To 12, Add	*4.68*	
		For 140 MPH Wind Load, Add	*2.62*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.32	
		For Steep Roof, Over 7 To 12, Add	*0.05*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	0.45	
		For Steep Roof, Over 7 To 12, Add	*0.05*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	5.01	1.76
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	4.77	1.58
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	5.18	1.76
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	4.91	1.58
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	3.11	1.31
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	4.38	1.31
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	4.75	1.31
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	3.76	1.31
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	5.18	1.41
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	5.95	1.41
07 42		Wall Panels *(07 40)*		
07 42 13		**Metal Wall Panels** *(07 42)*		
07 42 13 19		**Insulated Metal Wall Panels** *(07 42 13)*		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement *(07 42 13 19)* Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	15.63	3.71
		For Non-Insulated Panels, Deduct	*-2.04*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	16.99	4.17
		For Non-Insulated Panels, Deduct	*-2.18*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	18.19	4.63
		For Non-Insulated Panels, Deduct	*-2.32*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	19.49	4.82
		For Non-Insulated Panels, Deduct	*-2.46*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	21.97	5.28
		For Non-Insulated Panels, Deduct	*-2.86*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	25.30	5.83
		For Non-Insulated Panels, Deduct	*-3.43*	
07 42 13 23		**Metal Composite Material Wall Panels** *(07 42 13)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0001		24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*		
		Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	14.56	2.01
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	16.43	2.27
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	18.03	2.57
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	20.28	3.40
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 63		**Fabricated Wall Panel Assemblies** *(07 42)*		
07 42 63 00-0001		Insulated Freezer And Chiller Panels *(07 42 63)*		
		Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	14.65	1.45
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	15.50	1.45
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	18.38	1.45
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.88	1.53
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.10	1.53
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.13	1.20
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	14.25	1.20
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	17.12	1.28
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.61	1.28
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	19.51	1.28
07 42 63 00-0013		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	10.03	1.45
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.68	1.45
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	12.38	1.45
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	13.45	1.53
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	14.21	1.53
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	8.97	1.20
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.63	1.20
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.33	1.28
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.02	1.28
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.08	1.28
07 46		Siding *(07 40)*		
07 46 16		**Aluminum Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001		Aluminum Coil Stock Cladding *(07 46 16)*		
		Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF	Aluminum Cladding, 0.016" Thick	8.50	3.10
07 46 16 00-0003	SF	Aluminum Cladding, 0.019" Thick	8.59	3.10
07 46 16 00-0004	SF	Aluminum Cladding, 0.024" Thick	8.73	3.10
07 46 16 00-0005		Aluminum Siding Panels *(07 46 16)*		
07 46 16 00-0006		Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	5.58	1.74
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	5.78	1.74
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	6.40	1.74
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	7.61	1.74
07 46 16 00-0011		V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	7.56	1.74
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	8.38	1.74
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	10.31	1.74

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0015		Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)* Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	7.92	1.74
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	8.71	1.74
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	9.19	1.74
07 46 16 00-0019		Aluminum Soffit And Fascia *(07 46 16)* Note: Excludes J-channel.		
07 46 16 00-0020	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.43	1.30
		For 0.015" Thick, Deduct	*-0.06*	
07 46 16 00-0021	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.12	1.36
		For 0.015" Thick, Deduct	*-0.10*	
07 46 16 00-0022	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.46	1.40
		For 0.015" Thick, Deduct	*-0.12*	
07 46 16 00-0023	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.42	1.48
		For 0.015" Thick, Deduct	*-0.18*	
07 46 16 00-0024	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.55	1.61
		For 0.015" Thick, Deduct	*-0.24*	
07 46 16 00-0025	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.53	1.78
		For 0.015" Thick, Deduct	*-0.36*	
07 46 16 00-0026	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.53	1.96
		For 0.015" Thick, Deduct	*-0.48*	
07 46 16 00-0027	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	12.59	2.16
		For 0.015" Thick, Deduct	*-0.60*	
07 46 16 00-0028	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	3.89	1.27
07 46 16 00-0029	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	4.21	1.30
07 46 16 00-0030	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	4.84	1.34
07 46 16 00-0031	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	5.52	1.36
07 46 16 00-0032		Aluminum Siding Accessories *(07 46 16)*		
07 46 16 00-0033	LF	3/8" Pocket, Aluminum J-Channel	2.72	1.22
07 46 16 00-0034	LF	1/2" Pocket, Aluminum J-Channel	2.72	1.22
07 46 16 00-0035	LF	3/4" Pocket, Aluminum J-Channel	3.10	1.22
07 46 16 00-0036	LF	3/8" Pocket, Aluminum F-Channel	2.80	1.22
07 46 16 00-0037	LF	1/2" Pocket, Aluminum F-Channel	2.80	1.22
07 46 19		**Steel Siding** *(07 46)* Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels *(07 46 19)*		
07 46 19 00-0002		Corrugated Steel Siding Panels *(07 46 19 00-0001)* Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.50	1.74
		For Galvanized Instead Of Painted Steel, Add	*1.00*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	6.97	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.87*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	6.84	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.84*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.26	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.44*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.14	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.41*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.07	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.40*	
07 46 19 00-0009		Box Ribbed Steel Siding Panels *(07 46 19 00-0001)* Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	7.10	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.90*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.86	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.84*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.70	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.80*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.43	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.74*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	5.86	1.74
		For Galvanized Instead Of Painted Steel, Add	*0.59*	
07 46 19 00-0015		Clapboard Steel Siding Panels *(07 46 19 00-0001)* Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	4.85	0.88
07 46 23		**Wood Siding** *(07 46)* Note: Includes all necessary furring strips, trim for corners, windows and doors.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0001		**Wood Lap Siding** *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	3.06	1.27
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	3.34	1.35
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	3.63	1.45
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.21	1.27
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.47	1.27
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.03	1.27
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.25	1.27
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	3.94	1.27
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.47	1.35
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	3.47	1.35
07 46 23 00-0012		**Tongue And Groove Siding** *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	3.04	1.27
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.27	1.27
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	3.10	1.27
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	3.41	1.27
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		**T-111 Siding** *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.51	0.65
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		**Vinyl Siding** *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		**Vinyl Siding Panels** *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003		**Horizontal Vinyl Siding Panels** *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.01	1.59
		For 0.040" Thick, Deduct	*-0.12*	
		For 0.042" Thick, Deduct	*0.08*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.83	1.49
		For 0.040" Thick, Deduct	*-0.12*	
		For 0.042" Thick, Deduct	*0.08*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.69	1.42
		For 0.040" Thick, Deduct	*-0.12*	
		For 0.042" Thick, Deduct	*0.08*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.55	1.36
		For 0.040" Thick, Deduct	*-0.12*	
		For 0.042" Thick, Deduct	*0.08*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.36	1.26
		For 0.040" Thick, Deduct	*-0.12*	
		For 0.042" Thick, Deduct	*0.08*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	4.65	1.59
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	4.55	1.22
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	7.79	1.22
		For Manufacturer's Custom Colors, Add	*0.27*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	3.73	1.22
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	4.42	1.22
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	2.89	1.22
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	2.73	1.22
		For Manufacturer's Custom Colors, Add	*0.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	2.70	1.22
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	2.80	1.22
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	3.26	1.22
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	3.50	1.22
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	3.99	1.22
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	2.67	1.22
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineals For Vinyl Siding	5.86	1.68
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineals For Vinyl Siding	6.09	1.68
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding	6.59	1.68
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	3.60	1.22
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	4.32	1.22
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	3.80	1.22
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.37	1.30
		For 0.038" Thick, Deduct	*-0.35*	
		For 0.040" Thick, Deduct	*-0.28*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.02	1.36
		For 0.038" Thick, Deduct	*-0.57*	
		For 0.040" Thick, Deduct	*-0.49*	
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.33	1.40
		For 0.038" Thick, Deduct	*-0.70*	
		For 0.040" Thick, Deduct	*-0.59*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.24	1.48
		For 0.038" Thick, Deduct	*-1.04*	
		For 0.040" Thick, Deduct	*-0.87*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.30	1.61
		For 0.038" Thick, Deduct	*-1.39*	
		For 0.040" Thick, Deduct	*-1.18*	
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.15	1.78
		For 0.038" Thick, Deduct	*-2.11*	
		For 0.040" Thick, Deduct	*-1.77*	
		For Manufacturer's Custom Colors, Add	*0.23*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	10.03	1.96
		For 0.038" Thick, Deduct	*-2.81*	
		For 0.040" Thick, Deduct	*-2.36*	
		For Manufacturer's Custom Colors, Add	*0.31*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.96	2.16
		For 0.038" Thick, Deduct	*-3.50*	
		For 0.040" Thick, Deduct	*-2.95*	
		For Manufacturer's Custom Colors, Add	*0.38*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	3.46	1.27
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	3.79	1.30
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	3.78	1.34
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	4.24	1.36
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0043		**Fiberglass Siding** *(07 46 33)*		
07 46 33 00-0044		**Corrugated Panels** *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	5.40	1.86
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	5.72	1.68
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	6.30	1.68
07 46 33 00-0048		**Flat Panels** *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	5.19	1.68
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	5.72	1.68

07 46 46 Fiber-Cement Siding *(07 46)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.26	1.96
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.00	1.86
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.90	1.82
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.78	1.77
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.56	1.68
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.34	1.59
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.15	0.47
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	7.56	1.72
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	3.85	1.40
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.51	0.93
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	3.15	1.02
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.73	1.12
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.84	1.31
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.62	0.93
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	3.31	1.02
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	4.00	1.12
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	4.24	1.31
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	2.76	0.93
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	3.55	1.02
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	4.36	1.12
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	5.73	1.31
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	4.97	1.85
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	6.12	2.06
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	6.75	2.06
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	8.86	2.41
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non Vented Fiber Cement Soffit	4.87	1.34
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	5.16	1.34
07 46 63		**Fabricated Panel Assemblies With Siding** ***(07 46)***		
07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	6.89	1.50
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	7.50	1.50
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	8.57	1.50
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	8.68	1.50

07 50 Membrane Roofing *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing ***(07 51)***

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*		
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	62.69	
		For Up To 10, Add	*11.48*	
		For >10 To 25, Add	*8.70*	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	153.06	
		For Up To 10, Add	*16.00*	
		For >10 To 25, Add	*13.22*	
07 51 13 00-0007		Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*		
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	4.07	
07 51 13 00-0009		Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*		
		Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010		Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*		
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	49.38	
		For Up To 10, Add	*10.82*	
		For >10 To 25, Add	*8.03*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	51.96	
		For Up To 10, Add	*10.94*	
		For >10 To 25, Add	*8.16*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	54.89	
		For Up To 10, Add	*11.09*	
		For >10 To 25, Add	*8.31*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	87.36	
		For Up To 10, Add	*12.71*	
		For >10 To 25, Add	*9.93*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	139.75	
		For Up To 10, Add	*15.33*	
		For >10 To 25, Add	*12.55*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	109.87	
		For Up To 10, Add	*14.63*	
		For >10 To 25, Add	*11.59*	
07 51 13 00-0017		Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*		
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	2.86	
07 51 13 00-0019		Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*		
		Note: Includes fasteners.		
07 51 13 00-0020		Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*		
07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	45.40	
		For Up To 10, Add	*6.44*	
		For >10 To 25, Add	*5.05*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	80.80	
		For Up To 10, Add	*8.21*	
		For >10 To 25, Add	*6.82*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	133.19	
		For Up To 10, Add	*10.83*	
		For >10 To 25, Add	*9.44*	
07 51 13 00-0024		Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*		
07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	3.30	
07 51 13 00-0026		Asphalt Saturated Organic Felt *(07 51 13 00-0001)*		
07 51 13 00-0027		Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*		
		Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	61.08	
		For Up To 10, Add	*11.40*	
		For >10 To 25, Add	*8.62*	
07 51 13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	67.73	
		For Up To 10, Add	*11.73*	
		For >10 To 25, Add	*8.95*	
07 51 13 00-0030		Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*		
		Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	47.77	
		For Up To 10, Add	*10.73*	
		For >10 To 25, Add	*7.95*	
07 51 13 00-0032	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	54.41	
		For Up To 10, Add	*11.07*	
		For >10 To 25, Add	*8.28*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0033		**Mechanically Fastened, Asphalt Saturated Organic Felt** *(07 51 13 00-0026)*		
		Note: Includes fasteners.		
07 51 13 00-0034	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	23.89	
		For Up To 10, Add	*5.36*	
		For >10 To 25, Add	*3.97*	
07 51 13 00-0035	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	30.54	
		For Up To 10, Add	*5.70*	
		For >10 To 25, Add	*4.31*	
07 51 13 00-0036		**Surfacing** *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	110.12	
		For Up To 10, Add	*26.37*	
		For >10 To 25, Add	*19.41*	
07 51 13 00-0038	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	149.22	
		For Up To 10, Add	*28.32*	
		For >10 To 25, Add	*21.37*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness	125.11	
		Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid	31.47	
		Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
		For Up To 10, Add	*4.33*	
		For >10 To 25, Add	*3.41*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	64.89	
		Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
		For Up To 10, Add	*8.25*	
		For >10 To 25, Add	*6.58*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	58.42	
		Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
		For Up To 10, Add	*7.93*	
		For >10 To 25, Add	*6.26*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	76.07	
		Note: Reflective coating for use over smooth-surfaced built-up roofs.		
		For Up To 10, Add	*8.81*	
		For >10 To 25, Add	*7.14*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat	76.65	
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*8.84*	
		For >10 To 25, Add	*7.17*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*21.43*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	79.02	
		Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*8.96*	
		For >10 To 25, Add	*7.29*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*22.21*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast	1.49	
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF	Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast	3.00	
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048		**Walkway Pads** *(07 51 13 00-0001)*		
		Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF	5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad	15.94	
07 51 13 00-0050	LF	1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad	18.73	
07 51 13 00-0051		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0052	LF	2" x 2" Perlite Cant Strip	3.08	
07 51 13 00-0053	LF	3" x 3" Perlite Cant Strip	3.15	
07 51 13 00-0054	LF	4" x 4" Perlite Cant Strip	3.45	
07 51 13 00-0055	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	3.27	
07 51 13 00-0056	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	3.38	
07 51 13 00-0057	LF	1/2" x 6" Perlite Tapered Edge Strip	3.47	
07 51 13 00-0058	LF	1/2" x 12" Perlite Tapered Edge Strip	3.82	
07 51 13 00-0059	LF	1" x 12" Perlite Tapered Edge Strip	3.91	
07 51 13 00-0060	LF	1" x 24" Perlite Tapered Edge Strip	4.27	
07 51 13 00-0061	LF	1-1/2" x 12" Perlite Tapered Edge Strip	4.24	
07 51 13 00-0062	LF	1-1/2" x 18" Perlite Tapered Edge Strip	4.90	
07 51 13 00-0063	LF	1-1/2" x 24" Perlite Tapered Edge Strip	5.37	
07 51 13 00-0064		**Asphalt Primer** *(07 51 13 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0065	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	25.32	
07 51 13 00-0066		Demolish Built-Up Roofing *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0067	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	294.15	
		For Up To 10, Add	*73.02*	
		For >10 To 25, Add	*43.81*	
07 51 13 00-0068	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	226.91	
		For Up To 10, Add	*56.33*	
		For >10 To 25, Add	*33.80*	
07 51 13 00-0069		Roofing System Warranty *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070	EA	Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00	
07 51 13 00-0071	SQ	>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.00	
07 51 13 00-0072	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00	
07 51 13 00-0073	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.00	
07 51 13 00-0074	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00	
07 51 13 00-0075	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.00	
07 51 13 00-0076		Built-Up Roofing Components (Tremco) *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077		Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0076)*		
07 51 13 00-0078	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	85.27	
07 51 13 00-0079	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	103.09	
07 51 13 00-0080	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	113.98	
07 51 13 00-0081	SQ	28 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	26.40	
07 51 13 00-0082	SQ	33 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	37.80	
07 51 13 00-0083	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	153.60	
07 51 13 00-0084	SQ	POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	142.17	
07 51 13 00-0085		Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0076)*		
07 51 13 00-0086	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	88.86	
07 51 13 00-0087	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	231.14	
07 51 13 00-0088	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	380.65	
07 51 13 00-0089	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	104.43	
07 51 13 00-0090	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	158.31	
07 51 13 00-0091	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	378.75	
07 51 13 00-0092	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	277.04	
07 51 13 00-0093	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	271.78	
07 51 13 00-0094		Self Adhesive Base Plies And Ply Sheets *(07 51 13 00-0076)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0095	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	158.25	
07 51 13 00-0096	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.	315.99	
07 51 13 00-0097		**Flashings** *(07 51 13 00-0076)*		
07 51 13 00-0098	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	10.74	
07 51 13 00-0099	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	17.60	
07 51 13 00-0100	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	23.38	
07 51 13 00-0101	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	34.19	
07 51 13 00-0102	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	56.48	
07 51 13 00-0103	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	8.72	
07 51 13 00-0104	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.36	
07 51 13 00-0105	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	19.14	
07 51 13 00-0106	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	27.87	
07 51 13 00-0107	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	46.97	
07 51 13 00-0108	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.78	
07 51 13 00-0109	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.87	
07 51 13 00-0110	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.00	
07 51 13 00-0111	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	10.28	
07 51 13 00-0112		**Cold Applied Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0113	SQ	BURmastic Inter-Ply Cold Applied Adhesive	102.18	
07 51 13 00-0114	SQ	BURmastic Flood Coat Cold Applied Adhesive	168.01	
07 51 13 00-0115	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	128.90	
07 51 13 00-0116	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	102.18	
07 51 13 00-0117	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	54.03	
07 51 13 00-0118	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	117.05	
07 51 13 00-0119	SQ	POWERply White On White Cold Applied Adhesive	115.59	
07 51 13 00-0120	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	310.44	
07 51 13 00-0121	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	170.92	
07 51 13 00-0122	SQ	ECOLastic Cold Applied Adhesive	195.11	
07 51 13 00-0123		**Hot Applied Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0124	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	40.14	
07 51 13 00-0125	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	70.90	
07 51 13 00-0126		**Flashings Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0127	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	14.33	
07 51 13 00-0128	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	18.15	
07 51 13 00-0129	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	12.03	
07 51 13 00-0130	LF	TremSEAL D General Purpose Sealant	4.67	
07 51 13 00-0131	LF	TremSEAL HP High Performance Sealant	4.77	
07 51 13 00-0132	LF	TremSEAL S Silicone Sealant	4.69	
07 51 13 00-0133		**Surfacing** *(07 51 13 00-0076)*		
07 51 13 00-0134	SQ	TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating	150.07	
07 51 13 00-0135	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	337.85	
07 51 13 00-0136	SQ	Polar Coat	90.53	
07 51 13 00-0137	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	109.42	
07 51 13 00-0138	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	308.29	
07 51 13 00-0139	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	145.45	
07 51 13 00-0140	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	39.43	
07 51 13 00-0141		**Walkway Protection Pads** *(07 51 13 00-0076)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0142	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	21.28	
07 51 13 00-0143		**Primer** *(07 51 13 00-0076)*		
07 51 13 00-0144	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	26.33	
07 51 13 00-0145	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	51.39	
07 51 13 00-0146		**Liquid Applied Roofing** *(07 51 13 00-0076)*		
07 51 13 00-0147	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	257.43	
07 51 13 00-0148	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	263.45	
07 51 13 00-0149	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	327.07	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	422.35	
07 51 13 00-0151	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	245.87	
07 51 13 00-0152	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	36.82	
07 51 13 00-0153	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	53.95	
07 51 13 00-0154	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	57.27	
07 51 13 00-0155	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	39.99	
07 51 13 00-0156	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	36.20	
07 51 13 00-0157		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0076)*		
07 51 13 00-0158	SQ	POWERply APP Base Sheet	133.27	
07 51 13 00-0159	SQ	POWERply APP FR	250.30	
07 51 13 00-0160	SQ	POWERply APP Smooth	200.66	
07 51 13 00-0161		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0162	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	356.80	
07 51 13 00-0163	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	481.05	
07 51 13 00-0164	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	542.82	
07 51 13 00-0165		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0166	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	405.82	
07 51 13 00-0167	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	492.66	
07 51 13 00-0168	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	597.98	
07 51 13 00-0169		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0076)*		
07 51 13 00-0170	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	73.27	
07 51 13 00-0171	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	83.15	
07 51 13 00-0172	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	13.71	
07 51 13 00-0173	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	49.10	
07 51 13 00-0174		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0175	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	199.74	
07 51 13 00-0176	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	200.24	
07 51 13 00-0177	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	346.74	
07 51 13 00-0178		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0179	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	227.49	
07 51 13 00-0180	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	252.73	
07 51 13 00-0181	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	359.75	
07 51 13 00-0182		**Tremply HP 4510 CSPE White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0183	SQ	45 Mil Tremply HP 4510 CSPE White Membrane	579.88	
07 51 13 00-0184		**Single Ply Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0185	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	99.27	
07 51 13 00-0186	SQ	Water Based, TPA Bonding Adhesive (Tremco)	111.21	
07 51 13 00-0187	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	97.54	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0188	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	67.44	
07 51 13 00-0189		**Warranty** *(07 51 13 00-0076)*		
07 51 13 00-0190	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0191	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0192	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0193	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0194		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0195		**Modified Cap Membranes** *(07 51 13 00-0194)*		
07 51 13 00-0196		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0195)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0197	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	348.47	
07 51 13 00-0198	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil	245.45	
07 51 13 00-0199	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	303.01	
07 51 13 00-0200	SQ	Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials	314.74	
07 51 13 00-0201	SQ	Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	11.17	
07 51 13 00-0202	SQ	Stressply® EUV SPF Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil	490.73	
07 51 13 00-0203	SQ	Versiply® 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil	6.02	
		Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0204	SQ	Versiply® Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil	259.01	
07 51 13 00-0205	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil	11.17	
07 51 13 00-0206		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0195)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0207	SQ	Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	11.17	
		Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0208		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0195)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0209	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil	380.74	
		Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.		
07 51 13 00-0210	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil	11.17	
07 51 13 00-0211	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	11.17	
07 51 13 00-0212		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0195)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0213	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil	2.58	
07 51 13 00-0214	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	552.32	
07 51 13 00-0215	SQ	Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil	451.13	
07 51 13 00-0216		**Base Plys** *(07 51 13 00-0194)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0217	SQ	Flexbase® 120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	332.34	
07 51 13 00-0218	SQ	Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	197.05	
07 51 13 00-0219	SQ	HPR® Aqua Shield Styrene-Butadiene Rubber (SBR)-Modified Fiberglass Reinforced Self-Adhering Underlayment For Ice And Water Protection, 60 Mil	124.26	
07 51 13 00-0220	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	46.35	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0221	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	31.54	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0222	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	69.81	
07 51 13 00-0223	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	6.02	
07 51 13 00-0224	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil	2.58	
		Note: Inner plies for cold applied modified, SBS modified, or 2 plies under cap sheet.		
07 51 13 00-0225	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	199.10	
07 51 13 00-0226	SQ	HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	11.17	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0227	SQ	HPR® Torch Base Sheet Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply For Torch Applied Membranes, 110 Mil	234.45	
		Note: Torch base sheet used as base ply for torch applied system.		
07 51 13 00-0228	SQ	StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	174.30	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0229	SQ	StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	145.34	
07 51 13 00-0230	LF	Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric	3.84	
07 51 13 00-0231	SQ	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	39.13	
07 51 13 00-0232	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	36.49	
07 51 13 00-0233	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.30	
07 51 13 00-0234	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.44	
07 51 13 00-0235	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.44	
07 51 13 00-0236	SQ	4873 HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	6.02	
07 51 13 00-0237		Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0194)*		
07 51 13 00-0238	SQ	Water Based Roof Primer, GarlaPrime VOC Primer (1 GAL/SQ)	11.17	
07 51 13 00-0239	SQ	All-Knight™ Primer Bleed Blocker For Asphalt And Coal Tar Roofs Used With White-Knight, Garla-Brite And Pyramic Roof Systems (0.5 GAL/SQ)	46.15	
07 51 13 00-0240	SQ	Black-Knight® Primer (0.5 GAL/SQ)	11.17	
07 51 13 00-0241	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply (1.5-2.0 GAL/SQ)	83.32	
07 51 13 00-0242	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	199.28	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	317.82	
07 51 13 00-0244	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply (30 LB/SQ)	105.64	
07 51 13 00-0245	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat (70 LB/SQ)	231.59	
07 51 13 00-0246	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	96.11	
07 51 13 00-0247	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	183.64	
07 51 13 00-0248	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	18.90	
07 51 13 00-0249	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	29.21	
07 51 13 00-0250	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Interply (25 LB/SQ)	18.90	
07 51 13 00-0251	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Flood Coat (60 LB/SQ)	29.21	
07 51 13 00-0252	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only (2-3 GAL/SQ)	257.41	
07 51 13 00-0253	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only (2.0-2.5 GAL/SQ)	18.90	
07 51 13 00-0254	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply (25 LB/SQ)	18.90	
07 51 13 00-0255	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat (60 LB/SQ)	29.21	
07 51 13 00-0256	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel (150 SF/Cartridge)	86.99	
07 51 13 00-0257	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers (150 SF/Cartridge)	86.59	
07 51 13 00-0258	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products (150-200 SF/GAL) Note: Adheres all insulation layers for cold systems.	11.17	
07 51 13 00-0259	SQ	Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required (1-1.5 GAL/SQ)	66.13	
07 51 13 00-0260	SQ	Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System, Top Coat Required (1-1.5 GAL/SQ)	11.17	
07 51 13 00-0261	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh (1 GAL/7 LF)	12.83	
07 51 13 00-0262	SQ	Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat (0.5 GAL/SQ)	122.70	
07 51 13 00-0263	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric (2-2.5 GAL/SQ)	229.01	
07 51 13 00-0264	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	29.21	
07 51 13 00-0265	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Restoration (6-8 GAL/SQ)	29.21	
07 51 13 00-0266	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply (2.5 GAL/SQ)	74.99	
07 51 13 00-0267	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System (2-3 GAL/SQ)	219.78	
07 51 13 00-0268	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply (2.5 GAL/SQ) Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.	18.90	

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0001		Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 11)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 13 11-0002		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*		
07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	106.01	
		For Up To 10, Add	*13.65*	
		For >10 To 25, Add	*10.86*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	126.65	
		For Up To 10, Add	*14.68*	
		For >10 To 25, Add	*11.90*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	206.34	
		For Up To 10, Add	*18.66*	
		For >10 To 25, Add	*15.88*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	208.99	
		For Up To 10, Add	*19.59*	
		For >10 To 25, Add	*16.54*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	143.14	
		For Up To 10, Add	*16.30*	
		For >10 To 25, Add	*13.25*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	164.01	
		For Up To 10, Add	*17.34*	
		For >10 To 25, Add	*14.29*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	220.88	
		For Up To 10, Add	*20.18*	
		For >10 To 25, Add	*17.14*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 11-0010		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*		
07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.61	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.73	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 13 13		**Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)***		
07 52 13 13-0001		Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002		Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*		
07 52 13 13-0003	SQ	80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied	72.58	
		For Up To 10, Add	*9.89*	
		For >10 To 25, Add	*7.80*	
07 52 13 13-0004	SQ	90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied	93.22	
		For Up To 10, Add	*10.92*	
		For >10 To 25, Add	*8.83*	
07 52 13 13-0005	SQ	150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	102.90	
		For Up To 10, Add	*11.40*	
		For >10 To 25, Add	*9.32*	
07 52 13 13-0006	SQ	160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	108.19	
		For Up To 10, Add	*11.67*	
		For >10 To 25, Add	*9.58*	
07 52 13 13-0007	SQ	180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	151.05	
		For Up To 10, Add	*13.81*	
		For >10 To 25, Add	*11.72*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	104.17	
		For Up To 10, Add	*11.84*	
		For >10 To 25, Add	*9.63*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	110.78	
		For Up To 10, Add	*12.18*	
		For >10 To 25, Add	*9.96*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	152.32	
		For Up To 10, Add	*14.25*	
		For >10 To 25, Add	*12.04*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	108.34	
		For Up To 10, Add	*12.05*	
		For >10 To 25, Add	*9.84*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	114.74	
		For Up To 10, Add	*12.37*	
		For >10 To 25, Add	*10.16*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	130.46	
		For Up To 10, Add	*13.16*	
		For >10 To 25, Add	*10.95*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	132.38	
		For Up To 10, Add	*13.26*	
		For >10 To 25, Add	*11.04*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	186.07	
		For Up To 10, Add	*15.94*	
		For >10 To 25, Add	*13.73*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

07 52 13 13-0016 Torch-Applied, APP Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.08	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.14	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.56	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.18	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.36	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.90	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	106.78	
		For Up To 10, Add	*9.51*	
		For >10 To 25, Add	*8.12*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	85.81	
		For Up To 10, Add	*12.64*	
		For >10 To 25, Add	*9.85*	
07 52 16 11-0004	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	108.72	
		For Up To 10, Add	*13.78*	
		For >10 To 25, Add	*11.00*	
07 52 16 11-0005	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	111.68	
		For Up To 10, Add	*13.93*	
		For >10 To 25, Add	*11.15*	
07 52 16 11-0006	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	148.22	
		For Up To 10, Add	*15.76*	
		For >10 To 25, Add	*12.98*	
07 52 16 11-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	185.20	
		For Up To 10, Add	*17.61*	
		For >10 To 25, Add	*14.82*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	157.20	
		For Up To 10, Add	*17.00*	
		For >10 To 25, Add	*13.95*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	161.17	
		For Up To 10, Add	*17.20*	
		For >10 To 25, Add	*14.15*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	142.55	
		For Up To 10, Add	*16.27*	
		For >10 To 25, Add	*13.22*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	144.27	
		For Up To 10, Add	*16.35*	
		For >10 To 25, Add	*13.31*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	160.12	
		For Up To 10, Add	*17.14*	
		For >10 To 25, Add	*14.10*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	162.76	
		For Up To 10, Add	*17.28*	
		For >10 To 25, Add	*14.23*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	185.87	
		For Up To 10, Add	*18.43*	
		For >10 To 25, Add	*15.39*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	227.98	
		For Up To 10, Add	*20.54*	
		For >10 To 25, Add	*17.49*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	145.41	
		For Up To 10, Add	*16.41*	
		For >10 To 25, Add	*13.36*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	149.55	
		For Up To 10, Add	*16.62*	
		For >10 To 25, Add	*13.57*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	172.00	
		For Up To 10, Add	*17.74*	
		For >10 To 25, Add	*14.69*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	172.53	
		For Up To 10, Add	*17.76*	
		For >10 To 25, Add	*14.72*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	182.57	
		For Up To 10, Add	*18.27*	
		For >10 To 25, Add	*15.22*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.13	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.94	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.96	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.14	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.38	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.80	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.97	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.01	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.24	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.34	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	5.16	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	8.13	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	72.50	
		For Up To 10, Add	*11.97*	
		For >10 To 25, Add	*9.19*	
07 52 16 12-0004	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	95.41	
		For Up To 10, Add	*13.12*	
		For >10 To 25, Add	*10.33*	
07 52 16 12-0005	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	98.36	
		For Up To 10, Add	*13.26*	
		For >10 To 25, Add	*10.48*	
07 52 16 12-0006	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped	134.91	
		For Up To 10, Add	*15.09*	
		For >10 To 25, Add	*12.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped	171.89	
		For Up To 10, Add	*16.94*	
		For >10 To 25, Add	*14.16*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	143.94	
		For Up To 10, Add	*16.34*	
		For >10 To 25, Add	*13.29*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	147.91	
		For Up To 10, Add	*16.53*	
		For >10 To 25, Add	*13.49*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	129.29	
		For Up To 10, Add	*15.60*	
		For >10 To 25, Add	*12.56*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	131.00	
		For Up To 10, Add	*15.69*	
		For >10 To 25, Add	*12.64*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	146.85	
		For Up To 10, Add	*16.48*	
		For >10 To 25, Add	*13.43*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	149.50	
		For Up To 10, Add	*16.61*	
		For >10 To 25, Add	*13.57*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	172.61	
		For Up To 10, Add	*17.77*	
		For >10 To 25, Add	*14.72*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	214.72	
		For Up To 10, Add	*19.87*	
		For >10 To 25, Add	*16.83*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	132.15	
		For Up To 10, Add	*15.75*	
		For >10 To 25, Add	*12.70*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	136.29	
		For Up To 10, Add	*15.95*	
		For >10 To 25, Add	*12.91*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	158.74	
		For Up To 10, Add	*17.08*	
		For >10 To 25, Add	*14.03*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	159.27	
		For Up To 10, Add	*17.10*	
		For >10 To 25, Add	*14.06*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	169.31	
		For Up To 10, Add	*17.60*	
		For >10 To 25, Add	*14.56*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.92	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.73	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.75	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.91	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.93	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.16	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.58	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.76	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.80	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.99	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.13	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.95	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	6.92	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002		Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*		
07 52 16 13-0003	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied	121.40	
		For Up To 10, Add	*12.33*	
		For >10 To 25, Add	*10.24*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	109.85	
		For Up To 10, Add	*12.13*	
		For >10 To 25, Add	*9.92*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	124.91	
		For Up To 10, Add	*12.88*	
		For >10 To 25, Add	*10.67*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	193.18	
		For Up To 10, Add	*16.30*	
		For >10 To 25, Add	*14.08*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	114.16	
		For Up To 10, Add	*12.34*	
		For >10 To 25, Add	*10.13*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	131.91	
		For Up To 10, Add	*13.23*	
		For >10 To 25, Add	*11.02*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	137.55	
		For Up To 10, Add	*13.51*	
		For >10 To 25, Add	*11.30*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	178.98	
		For Up To 10, Add	*15.59*	
		For >10 To 25, Add	*13.37*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 13-0011		Torch-Applied, SBS Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.30	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.29	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.97	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.37	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.41	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.83	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.92	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	6.31	
07 52 16 14		**Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** ***(07 52 16)***		
07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 14)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002		Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*		
07 52 16 14-0003	SQ	35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened	84.01	
		For Up To 10, Add	*8.37*	
		For >10 To 25, Add	*6.98*	
07 52 16 14-0004	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	65.94	
		For Up To 10, Add	*7.47*	
		For >10 To 25, Add	*6.08*	
07 52 16 14-0005	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	83.73	
		For Up To 10, Add	*8.36*	
		For >10 To 25, Add	*6.97*	
07 52 16 14-0006	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	103.38	
		For Up To 10, Add	*9.34*	
		For >10 To 25, Add	*7.95*	
07 52 16 14-0007	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	128.35	
		For Up To 10, Add	*10.59*	
		For >10 To 25, Add	*9.20*	
07 52 16 14-0008		Mechanically Fastened, SBS Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*		
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.88	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.92	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	69.60	
		For Up To 10, Add	*8.49*	
		For >10 To 25, Add	*6.82*	
07 52 16 15-0004	SQ	70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	73.34	
		For Up To 10, Add	*8.67*	
		For >10 To 25, Add	*7.01*	
07 52 16 15-0005	SQ	120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	119.62	
		For Up To 10, Add	*11.36*	
		For >10 To 25, Add	*9.57*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	141.57	
		For Up To 10, Add	*12.46*	
		For >10 To 25, Add	*10.67*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	206.30	
		For Up To 10, Add	*15.70*	
		For >10 To 25, Add	*13.90*	
		For Factory Applied White Reflective Surfacing, Add	*57.61*	

07 52 16 15-0008 Self-Adhering, SBS Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	2.28	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.50	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	3.14	
		For Factory Applied White Reflective Surfacing, Add	*0.58*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	301.18	67.23
		For Up To 10, Add	*55.12*	
		For >10 To 25, Add	*41.77*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	205.96	33.62
		For Up To 10, Add	*30.33*	
		For >10 To 25, Add	*23.65*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	230.94	50.42
		For Up To 10, Add	*41.59*	
		For >10 To 25, Add	*31.58*	
		For 15 Year Warranty, Add	*3.00*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	153.01	33.62
		For Up To 10, Add	*27.68*	
		For >10 To 25, Add	*21.00*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	170.44	35.72
		For Up To 10, Add	*29.80*	
		For >10 To 25, Add	*22.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	243.35	37.81
		For Up To 10, Add	*34.70*	
		For >10 To 25, Add	*27.19*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	186.80	50.42
		For Up To 10, Add	*39.38*	
		For >10 To 25, Add	*29.37*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Low VOC Adhesive, Add	*22.78*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*65.89*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	204.23	52.53
		For Up To 10, Add	*41.51*	
		For >10 To 25, Add	*31.08*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Low VOC Adhesive, Add	*22.78*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*72.68*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	277.14	54.62
		For Up To 10, Add	*46.40*	
		For >10 To 25, Add	*35.56*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Low VOC Adhesive, Add	*22.78*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*80.08*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	247.21	67.23
		For Up To 10, Add	*52.42*	
		For >10 To 25, Add	*39.07*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For Low VOC Adhesive, Add	*56.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*65.89*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	264.63	69.34
		For Up To 10, Add	*54.54*	
		For >10 To 25, Add	*40.77*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For Low VOC Adhesive, Add	*56.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*72.68*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	337.54	71.44
		For Up To 10, Add	*59.44*	
		For >10 To 25, Add	*45.25*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Low VOC Adhesive, Add	*56.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
		For Integral Polyester Fleece-Backing, Add	*80.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	177.85	50.42
		For Up To 10, Add	*38.93*	
		For >10 To 25, Add	*28.92*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	195.28	52.53
		For Up To 10, Add	*41.06*	
		For >10 To 25, Add	*30.63*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.18*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	268.19	54.62
		For Up To 10, Add	*45.96*	
		For >10 To 25, Add	*35.11*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.63*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*44.17*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	43.89	
		For Up To 10, Add	*7.20*	
		For >10 To 25, Add	*5.53*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	45.24	
		For Up To 10, Add	*7.27*	
		For >10 To 25, Add	*5.60*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	29.12	7.99
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	39.81	7.99
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.65	7.99
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	92.71	8.82
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	21.93	4.87
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	4.32	1.26
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.58	1.89

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	306.26	37.81
		For Up To 10, Add	*37.85*	
		For >10 To 25, Add	*30.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	348.78	54.62
		For Up To 10, Add	*49.99*	
		For >10 To 25, Add	*39.14*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	422.28	71.44
		For Up To 10, Add	*63.68*	
		For >10 To 25, Add	*49.49*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19		**Polyvinyl-Chloride Roofing** *(07 54)*		
07 54 19 00-0001		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)* Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	186.62	33.62
		For Up To 10, Add	*29.36*	
		For >10 To 25, Add	*22.68*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	211.78	35.72
		For Up To 10, Add	*31.87*	
		For >10 To 25, Add	*24.78*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	240.65	36.77
		For Up To 10, Add	*33.94*	
		For >10 To 25, Add	*26.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	254.39	37.81
		For Up To 10, Add	*35.25*	
		For >10 To 25, Add	*27.74*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	263.92	67.23
		For Up To 10, Add	*53.26*	
		For >10 To 25, Add	*39.90*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.08*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	289.07	69.34
		For Up To 10, Add	*55.76*	
		For >10 To 25, Add	*41.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.08*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	317.94	70.38
		For Up To 10, Add	*57.83*	
		For >10 To 25, Add	*43.85*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.08*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	331.68	71.44
		For Up To 10, Add	*59.15*	
		For >10 To 25, Add	*44.96*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.08*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	207.08	50.42
		For Up To 10, Add	*40.40*	
		For >10 To 25, Add	*30.38*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	232.24	52.53
		For Up To 10, Add	*42.91*	
		For >10 To 25, Add	*32.48*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	261.10	53.58
		For Up To 10, Add	*44.98*	
		For >10 To 25, Add	*34.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	274.85	54.62
		For Up To 10, Add	*46.29*	
		For >10 To 25, Add	*35.44*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.06*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	43.89	
		For Up To 10, Add	*7.20*	
		For >10 To 25, Add	*5.53*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	45.24	
		For Up To 10, Add	*7.27*	
		For >10 To 25, Add	*5.60*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	44.93	7.14
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	61.97	7.99
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	78.50	8.82
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	98.56	8.82
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	19.17	4.87
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	5.02	1.26
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	6.28	1.89
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	6.57	1.26

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	240.09	67.23
		For Up To 10, Add	*52.06*	
		For >10 To 25, Add	*38.71*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*56.94*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	254.72	69.34
		For Up To 10, Add	*54.05*	
		For >10 To 25, Add	*40.28*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low VOC Adhesive, Add	*56.94*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	312.50	71.44
		For Up To 10, Add	*58.19*	
		For >10 To 25, Add	*44.00*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low VOC Adhesive, Add	*56.94*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	166.34	50.42
		For Up To 10, Add	*38.36*	
		For >10 To 25, Add	*28.35*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	180.98	52.53
		For Up To 10, Add	*40.35*	
		For >10 To 25, Add	*29.91*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0007	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	238.76	54.62
		For Up To 10, Add	*44.49*	
		For >10 To 25, Add	*33.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0009	SQ	Acrylic, TPO Roofing Primer, Price Per Coat	51.33	
		For Up To 10, Add	*7.57*	
		For >10 To 25, Add	*5.90*	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat Note: 55% solids by volume.	45.24	
		For Up To 10, Add	*7.27*	
		For >10 To 25, Add	*5.60*	
		For Tan Or Gray Color, Add	*1.42*	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	39.25	7.14
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	42.51	7.99
07 54 23 00-0013	EA	6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	74.88	8.82
07 54 23 00-0014	LF	30" Wide, TPO Walkway Protection Pad	18.97	4.87
07 54 23 00-0015	SF	TPO Membrane Base Flashing	5.21	1.26
07 54 23 00-0016	SF	TPO Curb Flashing	4.93	1.26
		For Tan Or Gray Color, Add	*0.06*	
07 54 23 00-0017	SF	TPO Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	7.35	1.26

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	853.31	111.68
		For Each Additional Coat, Add	*128.00*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	777.60	117.69
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	869.87	131.44

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	270.64	67.44
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	336.00	67.44
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	385.16	67.44

07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On *(07 56)*

Note: As manufactured by Tru-Co, Inc.

07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*

07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	637.18	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	654.33	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	268.09	
07 56 00 00-0015	SQ	Installation Over Existing Tar (Asphalt) And Gravel Roof	823.40	
07 56 00 00-0016	SQ	Installation Over New Construction, Waterproofing	470.21	
07 56 00 00-0017	SQ	Installation Over Mobile Home	308.42	
07 56 00 00-0018	SQ	Installation Over Corrugated Metal Roofs	363.75	
07 56 00 00-0019	SQ	Installation Over Granulate Mineral Surface, BUR Cap Sheet (Semi-Smooth) Surface	692.51	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	2.41	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	3.39	

07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	9.77	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	9.41	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	9.06	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	8.61	
07 56 00 00-0027		Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	868.29	67.44
07 56 00 00-0029		Urethane Liquid Roofing Membrane *(07 56)* Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	48.01	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	3.77	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	18.90	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System (0.25 GAL/SQ)	11.17	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	263.52	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (0.5 GAL/SQ))	11.17	
07 56 00 00-0036	SQ	White-Knight® WC Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	277.60	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	18.90	
		07 57 Coated Foamed Roofing *(07 50)*		
		07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)* Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	269.84	40.89
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	323.34	43.81
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	376.85	46.73
07 57 13 00-0007	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	494.44	52.57
07 57 13 00-0008	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	590.85	58.42
07 57 13 00-0009	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	697.84	64.26
07 57 13 00-0010	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	804.84	70.10
07 57 13 00-0011		Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0012	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	278.08	40.89
07 57 13 00-0013	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	331.58	43.81
07 57 13 00-0014	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	385.09	46.73
07 57 13 00-0015	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	492.08	52.57
07 57 13 00-0016	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	599.09	58.42
07 57 13 00-0017	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	706.08	64.26
07 57 13 00-0018	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	813.08	70.10

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0019		**Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0020	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	298.10	40.89
07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	349.83	43.81
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	401.57	46.73
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	508.57	52.57
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	659.60	58.42
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	775.54	64.26
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	891.49	70.10
07 57 13 00-0027		**Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0028		**Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating** *(07 57 13 00-0027)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0029	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	303.98	40.89
07 57 13 00-0030	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	361.96	43.81
07 57 13 00-0031	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	419.94	46.73
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	535.88	52.57
07 57 13 00-0033	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	651.83	58.42
07 57 13 00-0034	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	767.77	64.26
07 57 13 00-0035	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	883.72	70.10
07 57 13 00-0036		**Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating** *(07 57 13 00-0027)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0037	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	315.64	40.89
07 57 13 00-0038	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	373.61	43.81
07 57 13 00-0039	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	431.59	46.73
07 57 13 00-0040	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	547.53	52.57
07 57 13 00-0041	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	663.49	58.42
07 57 13 00-0042	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	779.43	64.26
07 57 13 00-0043	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	895.37	70.10
07 57 13 00-0044		**Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating** *(07 57 13 00-0027)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0045	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	324.70	40.89
07 57 13 00-0046	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	382.68	43.81
07 57 13 00-0047	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	440.66	46.73
07 57 13 00-0048	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	556.60	52.57
07 57 13 00-0049	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	672.55	58.42
07 57 13 00-0050	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	788.49	64.26
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	904.44	70.10

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 58 Roll Roofing *(07 50)*				
07 58 00 00-0001		**Prepared Roll Roofing** *(07 58)*		
		Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing	136.52	26.29
07 59 Membrane Roofing Accessories *(07 50)*				
07 59 00 00-0001		**Membrane Roofing Accessories** *(07 59)*		
07 59 00 00-0002	LF	Roofing Membrane Termination Bar	3.43	1.20
		Note: Includes fasteners and caulking.		
07 60 Flashing And Sheet Metal *(07)*				
		Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 61 Sheet Metal Roofing *(07 60)*				
07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*				
07 61 13 00-0001		**Standing Seam Concealed Fastener Roofing** *(07 61 13)*		
07 61 13 00-0002		**Copper Standing Seam Concealed Fastener Roofing** *(07 61 13 00-0001)*		
07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	15.61	2.68
		For Steep Roof, Over 6 To 12, Add	*1.61*	
		For Panels <16" Wide, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.90*	
		For >1,500 To 5,000, Add	*2.34*	
		For >5,000 To 10,000, Add	*0.39*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	17.06	2.91
		For Steep Roof, Over 6 To 12, Add	*1.74*	
		For Panels <16" Wide, Add	*1.93*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Up To 1,500, Add	*4.27*	
		For >1,500 To 5,000, Add	*2.56*	
		For >5,000 To 10,000, Add	*0.43*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	19.84	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.16*	
		For 140 MPH Wind Load, Add	*0.90*	
		For Up To 1,500, Add	*4.96*	
		For >1,500 To 5,000, Add	*2.98*	
		For >5,000 To 10,000, Add	*0.50*	
07 61 13 00-0006		**Zinc/Copper Standing Seam Concealed Fastener Roofing** *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	18.01	2.91
		For Steep Roof, Over 6 To 12, Add	*1.74*	
		For Panels <16" Wide, Add	*1.98*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*4.50*	
		For >1,500 To 5,000, Add	*2.70*	
		For >5,000 To 10,000, Add	*0.45*	
		For Tin/Copper, Deduct	*-0.24*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	21.31	3.03
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*2.19*	
		For 140 MPH Wind Load, Add	*0.91*	
		For Up To 1,500, Add	*5.33*	
		For >1,500 To 5,000, Add	*3.20*	
		For >5,000 To 10,000, Add	*0.53*	
		For Tin/Copper, Deduct	*-0.31*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	23.94	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.37*	
		For 140 MPH Wind Load, Add	*0.99*	
		For Up To 1,500, Add	*5.99*	
		For >1,500 To 5,000, Add	*3.59*	
		For >5,000 To 10,000, Add	*0.60*	
		For Tin/Copper, Deduct	*-0.35*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	29.34	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*2.70*	
		For 140 MPH Wind Load, Add	*1.12*	
		For Up To 1,500, Add	*7.34*	
		For >1,500 To 5,000, Add	*4.40*	
		For >5,000 To 10,000, Add	*0.73*	
		For Tin/Copper, Deduct	*-0.45*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	61.07	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*2.33*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	38.21	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*1.87*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	82.68	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*2.76*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	62.78	5.54
		For Steep Roof, Over 6 To 12, Add	*4.16*	
		For 140 MPH Wind Load, Add	*2.36*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	19.09	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.13*	
		For 140 MPH Wind Load, Add	*0.89*	
		For Up To 1,500, Add	*4.77*	
		For >1,500 To 5,000, Add	*2.86*	
		For >5,000 To 10,000, Add	*0.48*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	20.91	3.33
		For Steep Roof, Over 6 To 12, Add	*2.00*	
		For Panels <16" Wide, Add	*2.28*	
		For 140 MPH Wind Load, Add	*0.95*	
		For Up To 1,500, Add	*5.23*	
		For >1,500 To 5,000, Add	*3.14*	
		For >5,000 To 10,000, Add	*0.52*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	23.97	3.49
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For Panels <16" Wide, Add	*2.49*	
		For 140 MPH Wind Load, Add	*1.04*	
		For Up To 1,500, Add	*5.99*	
		For >1,500 To 5,000, Add	*3.60*	
		For >5,000 To 10,000, Add	*0.60*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	19.06	2.91
		For Steep Roof, Over 6 To 12, Add	*1.74*	
		For Panels <16" Wide, Add	*2.03*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Up To 1,500, Add	*4.77*	
		For >1,500 To 5,000, Add	*2.86*	
		For >5,000 To 10,000, Add	*0.48*	
		For Tin/Copper, Deduct	*-0.27*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	22.82	3.03
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*2.26*	
		For 140 MPH Wind Load, Add	*0.94*	
		For Up To 1,500, Add	*5.71*	
		For >1,500 To 5,000, Add	*3.42*	
		For >5,000 To 10,000, Add	*0.57*	
		For Tin/Copper, Deduct	*-0.34*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	25.34	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.44*	
		For 140 MPH Wind Load, Add	*1.01*	
		For Up To 1,500, Add	*6.34*	
		For >1,500 To 5,000, Add	*3.80*	
		For >5,000 To 10,000, Add	*0.63*	
		For Tin/Copper, Deduct	*-0.38*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	31.14	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*2.79*	
		For 140 MPH Wind Load, Add	*1.15*	
		For Up To 1,500, Add	*7.79*	
		For >1,500 To 5,000, Add	*4.67*	
		For >5,000 To 10,000, Add	*0.78*	
		For Tin/Copper, Deduct	*-0.49*	
07 61 19		**Flat Seam Sheet Metal Roofing** *(07 61)*		
07 61 19 00-0001		Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*		
07 61 19 00-0002		Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	15.21	2.91
		For Steep Roof, Over 6 To 12, Add	*1.74*	
		For Panels <16" Wide, Add	*1.84*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Up To 1,500, Add	*3.80*	
		For >1,500 To 5,000, Add	*2.28*	
		For >5,000 To 10,000, Add	*0.38*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	16.57	3.03
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.95*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Up To 1,500, Add	*4.14*	
		For >1,500 To 5,000, Add	*2.49*	
		For >5,000 To 10,000, Add	*0.41*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	18.84	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.11*	
		For 140 MPH Wind Load, Add	*0.88*	
		For Up To 1,500, Add	*4.71*	
		For >1,500 To 5,000, Add	*2.83*	
		For >5,000 To 10,000, Add	*0.47*	
07 61 19 00-0006		**Zinc/Copper Flat Seam Concealed Fastener Roofing** *(07 61 19 00-0001)*		
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	17.06	2.91
		For Steep Roof, Over 6 To 12, Add	*1.74*	
		For Panels <16" Wide, Add	*1.93*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Up To 1,500, Add	*4.27*	
		For >1,500 To 5,000, Add	*2.56*	
		For >5,000 To 10,000, Add	*0.43*	
		For Tin/Copper, Deduct	*-0.23*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	20.32	3.03
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*2.14*	
		For 140 MPH Wind Load, Add	*0.89*	
		For Up To 1,500, Add	*5.08*	
		For >1,500 To 5,000, Add	*3.05*	
		For >5,000 To 10,000, Add	*0.51*	
		For Tin/Copper, Deduct	*-0.29*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	22.59	3.17
		For Steep Roof, Over 6 To 12, Add	*1.90*	
		For Panels <16" Wide, Add	*2.30*	
		For 140 MPH Wind Load, Add	*0.96*	
		For Up To 1,500, Add	*5.65*	
		For >1,500 To 5,000, Add	*3.39*	
		For >5,000 To 10,000, Add	*0.56*	
		For Tin/Copper, Deduct	*-0.33*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	27.64	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*2.61*	
		For 140 MPH Wind Load, Add	*1.08*	
		For Up To 1,500, Add	*6.91*	
		For >1,500 To 5,000, Add	*4.15*	
		For >5,000 To 10,000, Add	*0.69*	
		For Tin/Copper, Deduct	*-0.42*	

07 62 Sheet Metal Flashing And Trim *(07 60)*

07 62 00 00-0001 Lead Flashing And Trim *(07 62)*

07 62 00 00-0002	SF	2.5 LB/SF Sheet Lead Flashing	18.71	4.49
07 62 00 00-0003	SF	4 LB/SF Sheet Lead Flashing	23.99	4.49

07 62 00 00-0004 Copper Flashing And Trim *(07 62)*

07 62 00 00-0005 Copper Flashing And Trim *(07 62 00 00-0004)*

07 62 00 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	16.42	4.39
		For >500 To 2,000, Deduct	*-2.31*	
		For >2,000, Deduct	*-2.69*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.74*	
		For Wrap Around Window Panning, Add	*8.69*	
07 62 00 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	17.00	4.49
		For >500 To 2,000, Deduct	*-2.39*	
		For >2,000, Deduct	*-2.79*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.82*	
		For Wrap Around Window Panning, Add	*9.08*	
07 62 00 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	19.01	4.80
		For >500 To 2,000, Deduct	*-2.66*	
		For >2,000, Deduct	*-3.14*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.90*	
		For Wrap Around Window Panning, Add	*9.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	22.66	5.00
		For >500 To 2,000, Deduct	*-3.15*	
		For >2,000, Deduct	*-3.78*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.00*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 00 00-0010		Stainless Steel Flashing And Trim *(07 62)*		
07 62 00 00-0011		Stainless Steel Flashing And Trim *(07 62 00 00-0010)*		
07 62 00 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	8.91	2.40
		For Wrap Around Window Panning, Add	*6.16*	
		For Mechanically Keyed Flashing, Add	*1.10*	
07 62 00 00-0013	SF	28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim	10.27	2.80
		For Wrap Around Window Panning, Add	*6.16*	
		For Mechanically Keyed Flashing, Add	*1.64*	
07 62 00 00-0014	SF	26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim	11.72	3.30
		For Wrap Around Window Panning, Add	*6.58*	
		For Mechanically Keyed Flashing, Add	*2.06*	
07 62 00 00-0015	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	13.79	3.50
		For Wrap Around Window Panning, Add	*6.94*	
		For Mechanically Keyed Flashing, Add	*2.74*	
07 62 00 00-0016		Stainless Steel Drip Edge *(07 62 00 00-0010)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017		26 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*		
07 62 00 00-0018	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	5.65	0.87
07 62 00 00-0019	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	6.95	0.87
07 62 00 00-0020	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	7.92	0.87
07 62 00 00-0021	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	9.54	0.87
07 62 00 00-0022	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	12.13	0.87
07 62 00 00-0023		24 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*		
07 62 00 00-0024	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	6.87	0.87
07 62 00 00-0025	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	8.58	0.87
07 62 00 00-0026	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	9.86	0.87
07 62 00 00-0027	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	11.99	0.87
07 62 00 00-0028	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	15.40	0.87
07 62 00 00-0029		22 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*		
07 62 00 00-0030	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	8.32	0.87
07 62 00 00-0031	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	10.50	0.87
07 62 00 00-0032	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	12.15	0.87
07 62 00 00-0033	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	14.87	0.87
07 62 00 00-0034	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	19.24	0.87
07 62 00 00-0035		Aluminum Flashing And Trim *(07 62)*		
07 62 00 00-0036		Aluminum Flashing And Trim *(07 62 00 00-0035)*		
07 62 00 00-0037	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	9.70	3.10
		For Baked Aluminum Colors, Add	*0.28*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0038	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	10.32	3.10
		For Baked Aluminum Colors, Add	*0.34*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0039	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	10.80	3.10
		For Baked Aluminum Colors, Add	*0.39*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0040	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	11.51	3.10
		For Baked Aluminum Colors, Add	*0.46*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0041	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	12.49	3.10
		For Baked Aluminum Colors, Add	*0.56*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0042	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	13.09	3.10
		For Baked Aluminum Colors, Add	*0.62*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0043	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	13.58	3.10
		For Baked Aluminum Colors, Add	*0.67*	
		For Wrap Around Window Panning, Add	*6.89*	
07 62 00 00-0044		Aluminum Drip Edge *(07 62 00 00-0035)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0044)*		
07 62 00 00-0046		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0047	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.85	0.87

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0048	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.60	0.87
07 62 00 00-0049	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.05	0.87
07 62 00 00-0050	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.94	0.87
07 62 00 00-0051	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.53	0.87
07 62 00 00-0052		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0053	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.10	0.87
07 62 00 00-0054	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.88	0.87
07 62 00 00-0055	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.47	0.87
07 62 00 00-0056	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.44	0.87
07 62 00 00-0057	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.01	0.87
07 62 00 00-0058		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0059	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.35	0.87
07 62 00 00-0060	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.22	0.87
07 62 00 00-0061	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.87	0.87
07 62 00 00-0062	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.95	0.87
07 62 00 00-0063	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.68	0.87
07 62 00 00-0064		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0065	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.86	0.87
07 62 00 00-0066	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.89	0.87
07 62 00 00-0067	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.67	0.87
07 62 00 00-0068	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.95	0.87
07 62 00 00-0069	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.01	0.87
07 62 00 00-0070		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0071	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.02	0.87
07 62 00 00-0072	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.14	0.87
07 62 00 00-0073	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.93	0.87
07 62 00 00-0074	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.29	0.87
07 62 00 00-0075	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.46	0.87
07 62 00 00-0076		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0077	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.61	0.87
07 62 00 00-0078	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.89	0.87
07 62 00 00-0079	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.85	0.87
07 62 00 00-0080	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.46	0.87
07 62 00 00-0081	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.02	0.87
07 62 00 00-0082		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0083	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.44	0.87
07 62 00 00-0084	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.01	0.87
07 62 00 00-0085	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.18	0.87
07 62 00 00-0086	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.13	0.87
07 62 00 00-0087	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.25	0.87
07 62 00 00-0088		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 00 00-0045)*		
07 62 00 00-0089	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.45	0.87
07 62 00 00-0090	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.35	0.87
07 62 00 00-0091	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.77	0.87
07 62 00 00-0092	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.14	0.87
07 62 00 00-0093	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.93	0.87
07 62 00 00-0094		Mill Finish, Aluminum Drip Edge *(07 62 00 00-0044)*		
07 62 00 00-0095		0.016" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0096	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.20	0.87
07 62 00 00-0097	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.72	0.87
07 62 00 00-0098	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.03	0.87
07 62 00 00-0099	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.64	0.87
07 62 00 00-0100	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	5.74	0.87
07 62 00 00-0101		0.019" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0102	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.38	0.87
07 62 00 00-0103	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.91	0.87
07 62 00 00-0104	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.32	0.87
07 62 00 00-0105	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.99	0.87
07 62 00 00-0106	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	6.07	0.87

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0107		0.025" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0108	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.55	0.87
07 62 00 00-0109	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.14	0.87
07 62 00 00-0110	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.60	0.87
07 62 00 00-0111	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	5.34	0.87
07 62 00 00-0112	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	6.53	0.87
07 62 00 00-0113		0.032" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0114	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	3.89	0.87
07 62 00 00-0115	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.61	0.87
07 62 00 00-0116	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	5.14	0.87
07 62 00 00-0117	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	6.03	0.87
07 62 00 00-0118	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	7.45	0.87
07 62 00 00-0119		0.040" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0120	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.01	0.87
07 62 00 00-0121	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.78	0.87
07 62 00 00-0122	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	5.33	0.87
07 62 00 00-0123	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	6.26	0.87
07 62 00 00-0124	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	7.76	0.87
07 62 00 00-0125		0.050" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0126	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	4.41	0.87
07 62 00 00-0127	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	5.30	0.87
07 62 00 00-0128	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	5.96	0.87
07 62 00 00-0129	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	7.07	0.87
07 62 00 00-0130	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	8.84	0.87
07 62 00 00-0131		0.063" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0132	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	4.99	0.87
07 62 00 00-0133	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	6.07	0.87
07 62 00 00-0134	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	6.88	0.87
07 62 00 00-0135	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	8.22	0.87
07 62 00 00-0136	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	10.38	0.87
07 62 00 00-0137		0.080" Thick, Mill Finish, Aluminum Drip Edge *(07 62 00 00-0094)*		
07 62 00 00-0138	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	5.68	0.87
07 62 00 00-0139	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	6.99	0.87
07 62 00 00-0140	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	7.97	0.87
07 62 00 00-0141	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	9.61	0.87
07 62 00 00-0142	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	12.22	0.87
07 62 00 00-0143		Clear Anodized Finish, Aluminum Drip Edge *(07 62 00 00-0044)*		
07 62 00 00-0144		0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 00 00-0143)*		
07 62 00 00-0145	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.98	0.87
07 62 00 00-0146	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.78	0.87
07 62 00 00-0147	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.25	0.87
07 62 00 00-0148	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.19	0.87
07 62 00 00-0149	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.88	0.87
07 62 00 00-0150		0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 00 00-0143)*		
07 62 00 00-0151	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.24	0.87
07 62 00 00-0152	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.07	0.87
07 62 00 00-0153	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.69	0.87
07 62 00 00-0154	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.73	0.87
07 62 00 00-0155	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.38	0.87
07 62 00 00-0156		0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 00 00-0143)*		
07 62 00 00-0157	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.51	0.87
07 62 00 00-0158	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.43	0.87
07 62 00 00-0159	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.12	0.87
07 62 00 00-0160	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.26	0.87
07 62 00 00-0161	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.09	0.87
07 62 00 00-0162		0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 00 00-0143)*		
07 62 00 00-0163	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.04	0.87
07 62 00 00-0164	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.13	0.87
07 62 00 00-0165	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.96	0.87
07 62 00 00-0166	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.32	0.87

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0167	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.51	0.87
07 62 00 00-0168		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0169	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.22	0.87
07 62 00 00-0170	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.40	0.87
07 62 00 00-0171	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.24	0.87
07 62 00 00-0172	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.68	0.87
07 62 00 00-0173	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.98	0.87
07 62 00 00-0174		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0175	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.84	0.87
07 62 00 00-0176	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.20	0.87
07 62 00 00-0177	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.22	0.87
07 62 00 00-0178	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.92	0.87
07 62 00 00-0179	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	12.64	0.87
07 62 00 00-0180		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0181	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.73	0.87
07 62 00 00-0182	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.38	0.87
07 62 00 00-0183	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.62	0.87
07 62 00 00-0184	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	11.69	0.87
07 62 00 00-0185	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.00	0.87
07 62 00 00-0186		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0187	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.79	0.87
07 62 00 00-0188	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.80	0.87
07 62 00 00-0189	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	11.31	0.87
07 62 00 00-0190	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.82	0.87
07 62 00 00-0191	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.84	0.87
07 62 00 00-0192		**Steel Flashing And Trim** *(07 62)*		
07 62 00 00-0193		**Galvanized Steel Flashing And Trim** *(07 62 00 00-0192)*		
07 62 00 00-0194	SF	26 Gauge, Galvanized Steel Flashing	12.13	3.20
		For Wrap Around Window Panning, Add	*6.94*	
07 62 00 00-0195	SF	24 Gauge, Galvanized Steel Flashing	12.54	3.20
		For Wrap Around Window Panning, Add	*6.94*	
07 62 00 00-0196		**Galvanized Steel Drip Edge** *(07 62 00 00-0192)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0197		**Galvanized Steel Drip Edge** *(07 62 00 00-0196)*		
07 62 00 00-0198		**26 Gauge, Galvanized Steel Drip Edge** *(07 62 00 00-0197)*		
07 62 00 00-0199	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	4.10	0.87
07 62 00 00-0200	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	4.90	0.87
07 62 00 00-0201	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	5.47	0.87
07 62 00 00-0202	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	6.44	0.87
07 62 00 00-0203	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	8.00	0.87
07 62 00 00-0204		**24 Gauge, Galvanized Steel Drip Edge** *(07 62 00 00-0197)*		
07 62 00 00-0205	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	4.45	0.87
07 62 00 00-0206	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	5.37	0.87
07 62 00 00-0207	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	6.03	0.87
07 62 00 00-0208	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	7.15	0.87
07 62 00 00-0209	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	8.93	0.87
07 62 00 00-0210		**KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 00 00-0196)*		
07 62 00 00-0211		**26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 00 00-0210)*		
07 62 00 00-0212	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.15	0.87
07 62 00 00-0213	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	6.31	0.87
07 62 00 00-0214	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	7.14	0.87
07 62 00 00-0215	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	8.55	0.87
07 62 00 00-0216	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	10.81	0.87
07 62 00 00-0217		**24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 00 00-0210)*		
07 62 00 00-0218	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.66	0.87
07 62 00 00-0219	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	7.00	0.87
07 62 00 00-0220	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	7.95	0.87
07 62 00 00-0221	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	9.56	0.87
07 62 00 00-0222	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	12.17	0.87

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	60.61	
		For Pourable Sealer Filled, Add	*21.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*10.80*	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	71.62	
		For Pourable Sealer Filled, Add	*48.61*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*24.37*	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	85.96	
		For Pourable Sealer Filled, Add	*86.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*43.09*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	94.33	
		For Pourable Sealer Filled, Add	*107.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*54.16*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	102.02	
		For Pourable Sealer Filled, Add	*129.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*64.79*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	118.59	
		For Pourable Sealer Filled, Add	*194.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*96.57*	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	75.19	
		For Pourable Sealer Filled, Add	*21.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*10.80*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	88.66	
		For Pourable Sealer Filled, Add	*48.61*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*24.37*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	106.11	
		For Pourable Sealer Filled, Add	*86.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*43.09*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	117.34	
		For Pourable Sealer Filled, Add	*107.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*54.16*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	125.60	
		For Pourable Sealer Filled, Add	*129.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*64.79*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	143.70	
		For Pourable Sealer Filled, Add	*194.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*96.57*	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	69.59	
		For Pourable Sealer Filled, Add	*21.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*10.80*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	81.54	
		For Pourable Sealer Filled, Add	*48.61*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*24.37*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	93.78	
		For Pourable Sealer Filled, Add	*86.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*43.09*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	101.73	
		For Pourable Sealer Filled, Add	*107.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*54.16*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	108.88	
		For Pourable Sealer Filled, Add	*129.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*64.79*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	124.31	
		For Pourable Sealer Filled, Add	*194.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*96.57*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	56.67	
		For Pourable Sealer Filled, Add	*21.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*10.80*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	63.54	
		For Pourable Sealer Filled, Add	*48.61*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*24.37*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	72.50	
		For Pourable Sealer Filled, Add	*86.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*43.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	78.35	
		For Pourable Sealer Filled, Add	*107.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*54.16*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	84.21	
		For Pourable Sealer Filled, Add	*129.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*64.79*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	98.27	
		For Pourable Sealer Filled, Add	*194.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*96.57*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	75.00	24.34
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe	75.00	24.34
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe	89.75	24.34
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe	98.18	24.34
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	102.39	24.34
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe	104.50	24.34
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe	125.57	24.34
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe	135.05	24.34

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	51.74	15.73
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	52.01	15.73
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	52.97	15.73
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	57.74	15.73

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	7.74	1.68

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	6.85	2.37
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	8.73	2.54
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	10.89	2.80
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	13.18	3.15

07 65 33 Plastic Flashing *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe	33.01	7.28
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe	38.73	8.15
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe	42.95	8.76

07 70 Roof And Wall Specialties And Accessories *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories.

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	19.70	1.90
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	20.81	2.05
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	23.64	2.16
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	27.38	2.37

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	32.90	2.47
07 71 13 00-0008		Aluminum Copings *(07 71 13)*		
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)* Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.84	1.90
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.92	2.05
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.61	2.16
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.30	2.37
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.71	2.47
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.10	1.90
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.27	2.05
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.21	2.16
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.24	2.37
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.17	2.47
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.15	1.90
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.48	2.05
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.20	2.16
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.80	2.37
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.95	2.47
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)* Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.54	1.90
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.00	2.05
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.81	2.16
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.01	2.37
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.78	2.47
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.38	1.90
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.95	2.05
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.13	2.16
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	34.82	2.37
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.35	2.47
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.89	1.90
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.70	2.05
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.02	2.16
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.99	2.37

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	51.72	2.47
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.65	1.90
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.17	2.05
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.21	2.16
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	33.70	2.37
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.92	2.47
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.60	1.90
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.25	2.05
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	30.67	2.16
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	36.67	2.37
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.70	2.47
07 71 13 00-0060		0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.20	1.90
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.10	2.05
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	33.73	2.16
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.16	2.37
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	54.58	2.47
07 71 13 00-0066		Remove And Reinstall Metal Coping *(07 71 13)*		
07 71 13 00-0067	LF	Removal And Reinstallation Of Metal Coping	6.94	

07 71 19 Manufactured Gravel Stops And Fasciae *(07 71)*

07 71 19 00-0001		Gravel Stop *(07 71 19)*		
07 71 19 00-0002		Aluminum Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0003		Aluminum Gravel Stop *(07 71 19 00-0002)*		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.57	1.58
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.76	1.63
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.98	1.69
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.27	1.58
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.48	1.63
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.75	1.69
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.17	1.58
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.35	1.63
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.71	1.69

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.78	1.58
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.98	1.63
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	15.38	1.69
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	8.73	1.58
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	9.11	1.63
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	9.51	1.69
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	9.30	1.58
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	9.61	1.63
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	9.90	1.69
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	9.88	1.58
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	10.18	1.63
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	10.52	1.69
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	10.51	1.58
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	10.76	1.63
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	10.99	1.69
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.71	1.58
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.98	1.63
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.24	1.69
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.54	1.58
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.85	1.63
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.15	1.69
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.62	1.58
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.89	1.63
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	17.11	1.69
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	17.36	1.58
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	17.65	1.63
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	17.90	1.69
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.93	2.63
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.56	2.72
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.35	2.80
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.63	2.63
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.29	2.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.11	2.80
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.53	2.63
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.15	2.72
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.07	2.80
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.14	2.63
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.79	2.72
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.75	2.80
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.62	2.63
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.11	2.72
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.74	2.80
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.10	2.63
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.61	2.72
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.26	2.80
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.72	2.63
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.20	2.72
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.89	2.80
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.15	2.63
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.64	2.72
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.35	2.80
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.07	2.63
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.79	2.72
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.61	2.80
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.90	2.63
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.66	2.72
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.51	2.80
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.98	2.63
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.70	2.72

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.48	2.80
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.72	2.63
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.46	2.72
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.27	2.80
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	11.10	1.58
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	13.90	1.63
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	19.74	1.69
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	13.40	1.58
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	16.97	1.63
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	24.35	1.69
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	15.85	1.58
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	20.24	1.63
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	29.25	1.69
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.77	2.63
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.11	2.72
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	24.63	2.80
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	17.07	2.63
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	21.18	2.72
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	29.24	2.80
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	19.52	2.63
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	24.45	2.72
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	34.14	2.80
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	13.50	1.58
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	13.68	1.63
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	13.99	1.69
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	17.18	2.63
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	17.90	2.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	18.89	2.80
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	37.41	1.58
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	42.36	1.63
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	48.62	1.69
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	45.54	1.58
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	52.29	1.63
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	59.45	1.69
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	40.69	2.63
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	46.06	2.72
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	52.85	2.80
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	48.82	2.63
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	56.00	2.72
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	63.69	2.80
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	17.49	2.19
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	19.46	2.28
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	20.76	2.37
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	108.47	3.07
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	115.63	3.07
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	120.13	3.07
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	88.97	3.07
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	92.59	3.07
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	94.79	3.07
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.98	2.19

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.97	2.28
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.04	2.37
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	16.73	2.19
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.95	2.28
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.13	2.37
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	98.33	3.07
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	106.52	3.07
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	110.10	3.07
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	78.15	3.07
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	82.22	3.07
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	84.01	3.07
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.29	2.19
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.66	2.28
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.90	2.37
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.20	2.19
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.83	2.28
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	23.22	2.37
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	121.38	3.07
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	131.62	3.07
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	136.09	3.07
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	96.15	3.07
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	101.25	3.07
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	103.48	3.07

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 Manufactured Gutters And Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts *(07 71 23)*

07 71 23 00-0002 Aluminum Gutters *(07 71 23 00-0001)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	6.08	2.49
		For Kynar 500® Finish, Add	*0.86*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	6.61	2.49
		For Kynar 500® Finish, Add	*1.10*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	6.36	2.49
		For Kynar 500® Finish, Add	*0.99*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	6.97	2.49
		For Kynar 500® Finish, Add	*1.26*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	13.24	2.49
		For Kynar 500® Finish, Add	*4.09*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	14.09	2.49
		For Kynar 500® Finish, Add	*4.47*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	16.00	2.49
		For Kynar 500® Finish, Add	*5.33*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	11.63	2.49
		For Kynar 500® Finish, Add	*3.36*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	13.89	2.49
		For Kynar 500® Finish, Add	*4.38*	

07 71 23 00-0014 Box Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	11.10	2.49
		For Kynar 500® Finish, Add	*3.12*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	11.13	2.49
		For Kynar 500® Finish, Add	*3.14*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	12.84	2.49
		For Kynar 500® Finish, Add	*3.91*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	14.39	2.49
		For Kynar 500® Finish, Add	*4.60*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	2.67	
		For Kynar 500® Finish, Add	*0.30*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	3.21	
		For Kynar 500® Finish, Add	*0.54*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	6.52	
		For Kynar 500® Finish, Add	*2.03*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	7.53	
		For Kynar 500® Finish, Add	*2.49*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	4.06	
		For Kynar 500® Finish, Add	*0.93*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	6.06	
		For Kynar 500® Finish, Add	*1.83*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	7.07	
		For Kynar 500® Finish, Add	*2.28*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	7.65	
		For Kynar 500® Finish, Add	*2.54*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	8.92	
		For Kynar 500® Finish, Add	*3.11*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	8.79	
		For Kynar 500® Finish, Add	*2.38*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	12.65	
		For Kynar 500® Finish, Add	*4.12*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	47.55	
		For Kynar 500® Finish, Add	*19.82*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0037	EA			8", K-Style Aluminum Gutter Miter	51.46	
				For Kynar 500® Finish, Add	*21.58*	
07 71 23 00-0038				**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA			5", Half Round Aluminum Gutter Miter	18.49	
				For Kynar 500® Finish, Add	*6.75*	
07 71 23 00-0040	EA			6", Half Round Aluminum Gutter Miter	31.11	
				For Kynar 500® Finish, Add	*12.42*	
07 71 23 00-0041				**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA			6", Box Style Aluminum Gutter Miter	38.02	
				For Kynar 500® Finish, Add	*15.53*	
07 71 23 00-0043	EA			7", Box Style Aluminum Gutter Miter	58.57	
				For Kynar 500® Finish, Add	*24.78*	
07 71 23 00-0044	EA			8", Box Style Aluminum Gutter Miter	63.45	
				For Kynar 500® Finish, Add	*26.98*	
07 71 23 00-0045				**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA			3" Diameter, Round Aluminum Wire Strainer	10.29	2.49
				For Kynar 500® Finish, Add	*2.29*	
07 71 23 00-0047	EA			4" Diameter, Round Aluminum Wire Strainer	14.57	2.49
				For Kynar 500® Finish, Add	*4.21*	
07 71 23 00-0048				**Aluminum Downspouts** *(07 71 23 00-0001)*		
				Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049				**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF			3" Diameter, Round Aluminum Downspout	5.23	2.40
				For Kynar 500® Finish, Add	*1.19*	
07 71 23 00-0051	LF			4" Diameter, Round Aluminum Downspout	5.85	2.40
				For Kynar 500® Finish, Add	*1.47*	
07 71 23 00-0052				**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF			2" x 3", Rectangular Aluminum Downspout	3.94	2.40
				For Kynar 500® Finish, Add	*0.61*	
07 71 23 00-0054	LF			3" x 4", Rectangular Aluminum Downspout	4.73	2.40
				For Kynar 500® Finish, Add	*0.96*	
07 71 23 00-0055	LF			4" x 5", Rectangular Aluminum Downspout	8.04	2.40
				For Kynar 500® Finish, Add	*2.45*	
07 71 23 00-0056				**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA			Thru-Wall Aluminum Scupper Outlet	151.80	19.71
				For Kynar 500® Finish, Add	*38.74*	
07 71 23 00-0058	EA			Aluminum Leader/Conductor Head	158.55	21.91
				For Kynar 500® Finish, Add	*51.63*	
07 71 23 00-0059				**Copper Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0060				**Copper Gutters** *(07 71 23 00-0059)*		
				Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061				**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF			4", 16 Ounce, K-Style Copper Gutter	13.02	2.49
07 71 23 00-0063	LF			5", 16 Ounce, K-Style Copper Gutter	18.55	2.49
07 71 23 00-0064	LF			6", 16 Ounce, K-Style Copper Gutter	22.09	2.49
07 71 23 00-0065	LF			5", 20 Ounce, K-Style Copper Gutter	23.73	2.49
07 71 23 00-0066	LF			6", 20 Ounce, K-Style Copper Gutter	29.42	2.49
07 71 23 00-0067	LF			7", 20 Ounce, K-Style Copper Gutter	34.08	2.49
07 71 23 00-0068	LF			8", 20 Ounce, K-Style Copper Gutter	37.49	2.49
07 71 23 00-0069				**Half Round Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0070	LF			5", 16 Ounce, Half Round Copper Gutter	15.86	2.49
07 71 23 00-0071	LF			6", 16 Ounce, Half Round Copper Gutter	20.08	2.49
07 71 23 00-0072	LF			7", 16 Ounce, Half Round Copper Gutter	34.14	2.49
07 71 23 00-0073	LF			5", 20 Ounce, Half Round Copper Gutter	18.69	2.49
07 71 23 00-0074	LF			6", 20 Ounce, Half Round Copper Gutter	23.08	2.49
07 71 23 00-0075	LF			7", 20 Ounce, Half Round Copper Gutter	35.97	2.49
07 71 23 00-0076	LF			8", 20 Ounce, Half Round Copper Gutter	40.51	2.49
07 71 23 00-0077				**Copper Gutter End Caps** *(07 71 23 00-0059)*		
07 71 23 00-0078				**K-Style, Copper Gutter End Caps** *(07 71 23 00-0077)*		
07 71 23 00-0079	EA			4", K-Style Copper Gutter End Cap	5.06	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0080	EA	5", K-Style Copper Gutter End Cap	5.39	
07 71 23 00-0081	EA	6", K-Style Copper Gutter End Cap	5.73	
07 71 23 00-0082	EA	7", K-Style Copper Gutter End Cap	14.77	
07 71 23 00-0083	EA	8", K-Style Copper Gutter End Cap	17.94	
07 71 23 00-0084		**Half Round, Copper Gutter End Caps** *(07 71 23 00-0077)*		
07 71 23 00-0085	EA	4", Half Round Copper Gutter End Cap	6.06	
07 71 23 00-0086	EA	5", Half Round Copper Gutter End Cap	6.77	
07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	10.08	
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	29.77	
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	35.11	
07 71 23 00-0090		**Copper Gutter Miters** *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0091		**K-Style, Copper Gutter Miters** *(07 71 23 00-0090)*		
07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	26.15	
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	29.63	
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	44.32	
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	64.50	
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	76.08	
07 71 23 00-0097		**Half Round, Copper Gutter Miters** *(07 71 23 00-0090)*		
07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	43.41	
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	39.19	
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	58.15	
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	69.87	
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	83.04	
07 71 23 00-0103		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	12.89	2.49
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	15.42	2.49
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	23.66	2.49
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	30.84	2.49
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	36.85	2.49
07 71 23 00-0109		**Copper Downspouts** *(07 71 23 00-0059)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110		**Round Copper Downspouts** *(07 71 23 00-0109)*		
07 71 23 00-0111	LF	2" Diameter, 16 Ounce, Round Copper Downspout	20.09	2.40
07 71 23 00-0112	LF	3" Diameter, 16 Ounce, Round Copper Downspout	14.12	2.40
07 71 23 00-0113	LF	4" Diameter, 16 Ounce, Round Copper Downspout	17.69	2.40
07 71 23 00-0114	LF	5" Diameter, 16 Ounce, Round Copper Downspout	28.02	2.40
07 71 23 00-0115	LF	6" Diameter, 16 Ounce, Round Copper Downspout	35.91	2.40
07 71 23 00-0116	LF	3" Diameter, 20 Ounce, Round Copper Downspout	18.95	2.40
07 71 23 00-0117	LF	4" Diameter, 20 Ounce, Round Copper Downspout	24.47	2.40
07 71 23 00-0118	LF	5" Diameter, 20 Ounce, Round Copper Downspout	36.99	2.40
07 71 23 00-0119		**Square Copper Downspouts** *(07 71 23 00-0109)*		
07 71 23 00-0120	LF	3" Diameter, 16 Ounce, Square Copper Downspout	9.90	2.40
07 71 23 00-0121	LF	4" Diameter, 16 Ounce, Square Copper Downspout	12.27	2.40
07 71 23 00-0122	LF	5" Diameter, 16 Ounce, Square Copper Downspout	17.39	2.40
07 71 23 00-0123	LF	3" Diameter, 20 Ounce, Square Copper Downspout	11.37	2.40
07 71 23 00-0124	LF	4" Diameter, 20 Ounce, Square Copper Downspout	14.33	2.40
07 71 23 00-0125	LF	5" Diameter, 20 Ounce, Square Copper Downspout	20.41	2.40
07 71 23 00-0126		**Rectangular Copper Downspouts** *(07 71 23 00-0109)*		
07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	14.48	2.40
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	18.21	2.40
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	25.73	2.40
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	16.80	2.40
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	21.43	2.40
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	30.58	2.40
07 71 23 00-0133		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet	165.33	19.71
07 71 23 00-0135	EA	Copper Leader/Conductor Head	233.43	21.91
07 71 23 00-0136	EA	Copper Eave Box	107.43	14.99
07 71 23 00-0137		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0138		Galvanized Steel Gutters *(07 71 23 00-0137)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		K-Style Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	7.63	2.49
		For Kynar 500® Finish, Add	*1.56*	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	8.68	2.49
		For Kynar 500® Finish, Add	*2.03*	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	18.08	2.49
		For Kynar 500® Finish, Add	*6.26*	
07 71 23 00-0143	LF	8", 24 Gauge, K-Style Galvanized Steel Gutter	18.61	2.49
		For Kynar 500® Finish, Add	*6.50*	
07 71 23 00-0144		Half Round Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	11.21	2.49
		For Kynar 500® Finish, Add	*3.17*	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	13.96	2.49
		For Kynar 500® Finish, Add	*4.41*	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	35.37	2.49
		For Kynar 500® Finish, Add	*14.04*	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	37.29	2.49
		For Kynar 500® Finish, Add	*14.91*	
07 71 23 00-0149		Box Style Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	12.81	2.49
		For Kynar 500® Finish, Add	*3.89*	
		For 22 Gauge, Add	*1.30*	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	14.74	2.49
		For Kynar 500® Finish, Add	*4.76*	
		For 22 Gauge, Add	*1.59*	
07 71 23 00-0152	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	19.46	2.49
		For Kynar 500® Finish, Add	*6.89*	
		For 22 Gauge, Add	*2.30*	
07 71 23 00-0153	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	18.99	2.49
		For Kynar 500® Finish, Add	*6.67*	
		For 22 Gauge, Add	*2.22*	
07 71 23 00-0154		Galvanized Steel Gutter End Caps *(07 71 23 00-0137)*		
07 71 23 00-0155		K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*		
07 71 23 00-0156	EA	5", K-Style Galvanized Steel Gutter End Cap	4.08	
		For Kynar 500® Finish, Add	*0.94*	
07 71 23 00-0157	EA	6", K-Style Galvanized Steel Gutter End Cap	4.62	
		For Kynar 500® Finish, Add	*1.18*	
07 71 23 00-0158	EA	7", K-Style Galvanized Steel Gutter End Cap	9.47	
		For Kynar 500® Finish, Add	*3.36*	
07 71 23 00-0159	EA	8", K-Style Galvanized Steel Gutter End Cap	13.52	
		For Kynar 500® Finish, Add	*5.18*	
07 71 23 00-0160		Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*		
07 71 23 00-0161	EA	5", Half Round Galvanized Steel Gutter End Cap	5.10	
		For Kynar 500® Finish, Add	*1.40*	
07 71 23 00-0162	EA	6", Half Round Galvanized Steel Gutter End Cap	5.80	
		For Kynar 500® Finish, Add	*1.71*	
07 71 23 00-0163	EA	7", Half Round Galvanized Steel Gutter End Cap	10.40	
		For Kynar 500® Finish, Add	*3.78*	
07 71 23 00-0164	EA	8", Half Round Galvanized Steel Gutter End Cap	13.89	
		For Kynar 500® Finish, Add	*5.35*	
07 71 23 00-0165		Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*		
07 71 23 00-0166	EA	5", Box Style Galvanized Steel Gutter End Cap	8.77	
		For Kynar 500® Finish, Add	*3.05*	
07 71 23 00-0167	EA	6", Box Style Galvanized Steel Gutter End Cap	10.47	
		For Kynar 500® Finish, Add	*3.81*	
07 71 23 00-0168	EA	7", Box Style Galvanized Steel Gutter End Cap	11.67	
		For Kynar 500® Finish, Add	*4.35*	
07 71 23 00-0169	EA	8", Box Style Galvanized Steel Gutter End Cap	15.47	
		For Kynar 500® Finish, Add	*6.06*	
07 71 23 00-0170		Galvanized Steel Gutter Miters *(07 71 23 00-0137)*		
		Note: Inside or outside miters.		
07 71 23 00-0171		K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*		
07 71 23 00-0172	EA	5", K-Style Galvanized Steel Gutter Miter	17.57	
		For Kynar 500® Finish, Add	*6.33*	
07 71 23 00-0173	EA	6", K-Style Galvanized Steel Gutter Miter	30.43	
		For Kynar 500® Finish, Add	*12.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0174	EA	7", K-Style Galvanized Steel Gutter Miter	50.86	
		For Kynar 500® Finish, Add	*21.31*	
07 71 23 00-0175	EA	8", K-Style Galvanized Steel Gutter Miter	57.20	
		For Kynar 500® Finish, Add	*24.17*	
07 71 23 00-0176		**Half Round, Galvanized Steel Gutter Miters** *(07 71 23 00-0170)*		
07 71 23 00-0177	EA	5", Half Round Galvanized Steel Gutter Miter	25.53	
		For Kynar 500® Finish, Add	*9.91*	
07 71 23 00-0178	EA	6", Half Round Galvanized Steel Gutter Miter	28.67	
		For Kynar 500® Finish, Add	*11.33*	
07 71 23 00-0179	EA	7", Half Round Galvanized Steel Gutter Miter	89.09	
		For Kynar 500® Finish, Add	*38.52*	
07 71 23 00-0180	EA	8", Half Round Galvanized Steel Gutter Miter	93.84	
		For Kynar 500® Finish, Add	*40.65*	
07 71 23 00-0181		**Box Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0170)*		
07 71 23 00-0182	EA	5", Box Style Galvanized Steel Gutter Miter	23.94	
		For Kynar 500® Finish, Add	*9.20*	
07 71 23 00-0183	EA	6", Box Style Galvanized Steel Gutter Miter	40.96	
		For Kynar 500® Finish, Add	*16.86*	
07 71 23 00-0184	EA	7", Box Style Galvanized Steel Gutter Miter	54.03	
		For Kynar 500® Finish, Add	*22.74*	
07 71 23 00-0185	EA	8", Box Style Galvanized Steel Gutter Miter	57.20	
		For Kynar 500® Finish, Add	*24.17*	
07 71 23 00-0186		**Galvanized Steel Gutter Wire Strainers** *(07 71 23 00-0137)*		
07 71 23 00-0187	EA	3" Diameter, Round Galvanized Steel Wire Strainer	9.25	2.49
		For Kynar 500® Finish, Add	*1.82*	
07 71 23 00-0188	EA	4" Diameter, Round Galvanized Steel Wire Strainer	12.70	2.49
		For Kynar 500® Finish, Add	*3.37*	
07 71 23 00-0189		**Galvanized Steel Downspouts** *(07 71 23 00-0137)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190		**Round Galvanized Steel Downspouts** *(07 71 23 00-0189)*		
07 71 23 00-0191	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	5.12	2.40
		For Kynar 500® Finish, Add	*1.14*	
07 71 23 00-0192	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	6.20	2.40
		For Kynar 500® Finish, Add	*1.62*	
07 71 23 00-0193	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.21	2.40
		For Kynar 500® Finish, Add	*2.53*	
07 71 23 00-0194	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	17.46	2.40
		For Kynar 500® Finish, Add	*6.69*	
07 71 23 00-0195		**Square Galvanized Steel Downspouts** *(07 71 23 00-0189)*		
07 71 23 00-0196	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	5.73	2.40
		For Kynar 500® Finish, Add	*1.41*	
07 71 23 00-0197	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	7.15	2.40
		For Kynar 500® Finish, Add	*2.05*	
07 71 23 00-0198		**Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0189)*		
07 71 23 00-0199	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	5.20	2.40
		For Kynar 500® Finish, Add	*1.17*	
07 71 23 00-0200	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	6.45	2.40
		For Kynar 500® Finish, Add	*1.74*	
07 71 23 00-0201	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	11.42	2.40
		For Kynar 500® Finish, Add	*3.97*	
07 71 23 00-0202		**Galvanized Steel Devices** *(07 71 23 00-0137)*		
07 71 23 00-0203	EA	Galvanized Steel Leader/Conductor Head	205.51	21.91
		For Kynar 500® Finish, Add	*72.77*	
07 71 23 00-0204	EA	Thru-Wall Galvanized Steel Scupper Outlet	115.08	19.71
		For Kynar 500® Finish, Add	*22.21*	
07 71 23 00-0205		**Stainless Steel Gutters And Downspouts** *(07 71 23)*		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0206		**Stainless Steel Gutters** *(07 71 23 00-0205)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207		**K-Style Stainless Steel Gutters** *(07 71 23 00-0206)*		
07 71 23 00-0208	LF	5", 0.018" Thick, K-Style Stainless Steel Gutter	17.59	2.49
07 71 23 00-0209	LF	6", 0.018" Thick, K-Style Stainless Steel Gutter	20.96	2.49

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0210		Half Round Stainless Steel Gutters *(07 71 23 00-0206)*		
07 71 23 00-0211	LF	5", 0.018" Thick, Half Round Stainless Steel Gutter	24.50	2.49
07 71 23 00-0212	LF	6", 0.018" Thick, Half Round Stainless Steel Gutter	29.55	2.49
07 71 23 00-0213		Stainless Steel Gutter End Caps *(07 71 23 00-0205)*		
07 71 23 00-0214		K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0213)*		
07 71 23 00-0215	EA	5", K-Style Stainless Steel Gutter End Cap	6.20	
07 71 23 00-0216	EA	6", K-Style Stainless Steel Gutter End Cap	7.04	
07 71 23 00-0217		Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0213)*		
07 71 23 00-0218	EA	5", Half Round Stainless Steel Gutter End Cap	7.25	
07 71 23 00-0219	EA	6", Half Round Stainless Steel Gutter End Cap	8.30	
07 71 23 00-0220		Stainless Steel Gutter Miters *(07 71 23 00-0205)* Note: Inside or outside box miters.		
07 71 23 00-0221		K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0220)*		
07 71 23 00-0222	EA	5", K-Style Stainless Steel Gutter Miter	25.21	
07 71 23 00-0223	EA	6", K-Style Stainless Steel Gutter Miter	42.02	
07 71 23 00-0224		Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0220)*		
07 71 23 00-0225	EA	5", Half Round Stainless Steel Gutter Miter	67.24	
07 71 23 00-0226	EA	6", Half Round Stainless Steel Gutter Miter	82.62	
07 71 23 00-0227		Stainless Steel Gutter Wire Strainers *(07 71 23 00-0205)*		
07 71 23 00-0228	EA	3" Diameter, Round Stainless Steel Wire Strainer	26.97	2.49
07 71 23 00-0229	EA	4" Diameter, Round Stainless Steel Wire Strainer	27.56	2.49
07 71 23 00-0230		Stainless Steel Downspouts *(07 71 23 00-0205)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0231		Round Stainless Steel Downspouts *(07 71 23 00-0230)*		
07 71 23 00-0232	LF	3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	17.03	2.40
07 71 23 00-0233	LF	4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	30.14	2.40
07 71 23 00-0234	LF	5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	46.20	2.40
07 71 23 00-0235		Rectangular Stainless Steel Downspouts *(07 71 23 00-0230)*		
07 71 23 00-0236	LF	2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	11.52	2.40
07 71 23 00-0237	LF	3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	15.14	2.40
07 71 23 00-0238	LF	4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	36.48	2.40
07 71 23 00-0239		Stainless Steel Devices *(07 71 23 00-0205)*		
07 71 23 00-0240	EA	Thru-Wall Stainless Steel Scupper Outlet	197.73	22.48
07 71 23 00-0241	EA	Stainless Steel Leader/Conductor Head	276.34	22.48
07 71 23 00-0242		Vinyl Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0243		Vinyl Gutters *(07 71 23 00-0242)* Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0244		K-Style Vinyl Gutters *(07 71 23 00-0243)*		
07 71 23 00-0245	LF	4", K-Style Vinyl Gutter	7.82	2.49
07 71 23 00-0246	LF	5", K-Style Vinyl Gutter	9.70	2.49
07 71 23 00-0247		Half Round Vinyl Gutters *(07 71 23 00-0243)*		
07 71 23 00-0248	LF	4", Half Round Vinyl Gutter	8.03	2.49
07 71 23 00-0249	LF	5", Half Round Vinyl Gutter	8.37	2.49
07 71 23 00-0250		Vinyl Gutter End Caps *(07 71 23 00-0242)*		
07 71 23 00-0251		K-Style, Vinyl Gutter End Caps *(07 71 23 00-0250)*		
07 71 23 00-0252	EA	4", K-Style Vinyl Gutter End Cap	4.65	
07 71 23 00-0253	EA	5", K-Style Vinyl Gutter End Cap	6.21	
07 71 23 00-0254		Half Round, Vinyl Gutter End Caps *(07 71 23 00-0250)*		
07 71 23 00-0255	EA	4", Half Round Vinyl Gutter End Cap	5.23	
07 71 23 00-0256	EA	5", Half Round Vinyl Gutter End Cap	4.97	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0257		**Vinyl Gutter Miters** *(07 71 23 00-0242)* Note: Inside or outside miters.		
07 71 23 00-0258		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0257)*		
07 71 23 00-0259	EA	4", K-Style Vinyl Gutter Miter	11.12	
07 71 23 00-0260	EA	5", K-Style Vinyl Gutter Miter	16.16	
07 71 23 00-0261		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0257)*		
07 71 23 00-0262	EA	4", Half Round Vinyl Gutter Miter	11.12	
07 71 23 00-0263	EA	5", Half Round Vinyl Gutter Miter	11.99	
07 71 23 00-0264		**Vinyl Downspouts** *(07 71 23 00-0242)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265		**Round Vinyl Downspouts** *(07 71 23 00-0264)*		
07 71 23 00-0266	LF	2-1/2" Diameter, Round Vinyl Downspout	5.08	2.40
07 71 23 00-0267	LF	3" Diameter, Round Vinyl Downspout	5.27	2.40
07 71 23 00-0268		**Square Vinyl Downspouts** *(07 71 23 00-0264)*		
07 71 23 00-0269	LF	2-1/2", Square Vinyl Downspout	5.01	2.40
07 71 23 00-0270		**Rectangular Vinyl Downspouts** *(07 71 23 00-0264)*		
07 71 23 00-0271	LF	2" x 3", Rectangular Vinyl Downspout	6.19	2.40
07 71 23 00-0272		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0273		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0272)*		
07 71 23 00-0274	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	186.40	3.60
07 71 23 00-0275	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	242.72	3.60
07 71 23 00-0276	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	289.54	3.60
07 71 23 00-0277		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0272)*		
07 71 23 00-0278	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	321.75	3.60
07 71 23 00-0279	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	392.88	3.60
07 71 23 00-0280	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	712.32	3.60
07 71 23 00-0281		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0282	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	653.29	23.01
		For Polished Brass Finish (-PB), Add	*60.73*	
		For Chrome Plated Finish (-CP), Add	*91.09*	
		For Vandal Proof (-U), Add	*30.36*	
07 71 23 00-0283	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	668.63	30.67
		For Polished Brass Finish (-PB), Add	*60.73*	
		For Chrome Plated Finish (-CP), Add	*91.09*	
		For Vandal Proof (-U), Add	*30.36*	
07 71 23 00-0284	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	720.94	39.78
		For Polished Brass Finish (-PB), Add	*64.14*	
		For Chrome Plated Finish (-CP), Add	*96.21*	
		For Vandal Proof (-U), Add	*32.07*	
07 71 23 00-0285	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	772.70	50.23
		For Polished Brass Finish (-PB), Add	*67.22*	
		For Chrome Plated Finish (-CP), Add	*100.84*	
		For Vandal Proof (-U), Add	*33.61*	
07 71 23 00-0286	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	835.10	61.88
		For Polished Brass Finish (-PB), Add	*71.13*	
		For Chrome Plated Finish (-CP), Add	*106.70*	
		For Vandal Proof (-U), Add	*35.57*	
07 71 23 00-0287	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	927.33	86.40
		For Polished Brass Finish (-PB), Add	*75.45*	
		For Chrome Plated Finish (-CP), Add	*113.18*	
		For Vandal Proof (-U), Add	*37.73*	
07 71 23 00-0288	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,037.46	120.15
		For Polished Brass Finish (-PB), Add	*79.72*	
		For Chrome Plated Finish (-CP), Add	*119.57*	
		For Vandal Proof (-U), Add	*39.86*	
07 71 23 00-0289		**Wall Mounted Downspout Nozzle** *(07 71 23)*		
07 71 23 00-0290	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	177.11	23.01
		For Nickle Bronze Finish (-NB), Add	*91.77*	
		For Polished Bronze Finish (-PB), Add	*72.11*	
		For Chrome Plated Finish (-CP), Add	*116.68*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0291	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	192.45	30.67
		For Nickle Bronze Finish (-NB), Add	*91.77*	
		For Polished Bronze Finish (-PB), Add	*72.11*	
		For Chrome Plated Finish (-CP), Add	*116.68*	
07 71 23 00-0292	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	390.56	39.78
		For Nickle Bronze Finish (-NB), Add	*93.30*	
		For Polished Bronze Finish (-PB), Add	*52.87*	
		For Chrome Plated Finish (-CP), Add	*136.84*	
07 71 23 00-0293	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	572.52	50.23
		For Nickle Bronze Finish (-NB), Add	*80.25*	
		For Polished Bronze Finish (-PB), Add	*61.37*	
		For Chrome Plated Finish (-CP), Add	*136.90*	
07 71 23 00-0294	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	736.63	61.88
		For Nickle Bronze Finish (-NB), Add	*104.19*	
		For Polished Bronze Finish (-PB), Add	*79.67*	
		For Chrome Plated Finish (-CP), Add	*177.73*	
07 71 23 00-0295	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	943.79	86.40
		For Nickle Bronze Finish (-NB), Add	*131.07*	
		For Polished Bronze Finish (-PB), Add	*100.23*	
		For Chrome Plated Finish (-CP), Add	*223.59*	

07 71 23 00-0296 Leaf Guards And Cleaning *(07 71 23)*

07 71 23 00-0297	LF	Aluminum Mesh Gutter Leaf Guard	2.53	0.74
07 71 23 00-0298	LF	Vinyl Mesh Gutter Leaf Guard	2.14	0.74
07 71 23 00-0299	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.75	0.92
07 71 23 00-0300	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.71	0.92
07 71 23 00-0301	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.96	0.92
07 71 23 00-0302	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.71	0.92
07 71 23 00-0303	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	117.74	
07 71 23 00-0304	LF	Clean Gutters And Downspouts	1.45	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*

Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.80	3.90
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.91	3.90
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.10	3.90
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.82	3.90
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	13.23	3.90
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	13.71	3.90

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	13.59	3.90
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	13.75	3.90
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	14.03	3.90
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	15.08	3.90
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	15.68	3.90
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	16.37	3.90

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	12.09	3.90
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	12.77	3.90
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	13.45	3.90
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	13.94	3.90
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.03	3.90
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.61	3.90

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.54	3.90
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.97	3.90
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	11.41	3.90
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	11.72	3.90
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	12.42	3.90
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.43	3.90

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.77	3.90
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.40	3.90

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.03	3.90
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.48	3.90
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.49	3.90
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.96	3.90
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	14.45	3.90
07 71 26 00-0042	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	15.63	3.90
07 71 26 00-0043		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0043)*		
07 71 26 00-0045	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	25.02	3.90

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	349.96	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016		EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0017		EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	403.17	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.55*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.87*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0018		EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	
07 72 13 00-0019		EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	450.40	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.30*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.34*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0020		EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0021		EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0022		EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	570.14	126.59
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.36*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.37*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	
07 72 13 00-0023		EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	450.40	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.30*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.34*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0024		EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	481.45	107.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.43*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.58*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0025		EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	
07 72 13 00-0026		EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	537.95	116.85
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.11*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.90*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0027		EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	582.87	126.59
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.63*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.92*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029		EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	333.95	77.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.61*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.00*	
07 72 13 00-0030		EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	
07 72 13 00-0031		EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0032		EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0033		EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	507.09	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	549.52	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	595.59	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	499.96	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0050		EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	561.08	116.85
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.42*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.53*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0051		EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	608.32	126.59
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.17*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.01*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053		EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.04	77.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.41*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.62*	
07 72 13 00-0054		EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	345.52	77.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.31*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	
07 72 13 00-0055		EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0056		EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	399.70	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.21*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.18*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0057		EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0058		EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0059		EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0060		EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	
07 72 13 00-0061		EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0062		EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	452.91	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.53*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.82*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0063		EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0064		EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0065		EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0066		EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	526.57	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	479.32	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	512.68	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	
07 72 13 00-0076		14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	306.18	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.45*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	369.62	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	404.33	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	400.86	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	456.38	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	546.42	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	598.29	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	511.71	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*92.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	674.26	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*122.19*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	343.20	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.85*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*75.19*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	397.39	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*111.05*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*136.50*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-34.41*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-34.41*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	417.05	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*48.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.17*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	442.50	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	562.61	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*102.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-96.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-96.36*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-96.36*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.76*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*156.17*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	623.55	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*113.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*143.44*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*231.36*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	640.90	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*116.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	253.18	126.59
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*12.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*37.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*310.02*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	619.23	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*115.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	644.74	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.16*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	717.07	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.65*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,057.77	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.79*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	302.53	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	310.63	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	399.13	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0182		2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	256.44	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*43.50*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	327.98	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	376.37	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0195		2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	330.29	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	329.13	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	360.17	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	397.00	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	450.03	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*78.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0208		2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	340.70	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	349.96	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	391.41	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	339.55	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	398.35	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0218		Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*		
07 72 13 00-0219		2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	258.76	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*43.96*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	321.04	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	411.86	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	385.44	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	438.46	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*76.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0232		2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	392.56	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	433.84	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	402.79	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	458.13	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0245		**2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	302.53	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	348.80	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	337.23	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*111.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*127.25*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	355.74	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-80.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-80.61*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	214.23	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*10.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*32.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	233.71	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*11.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-119.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-119.96*	
07 72 13 00-0258		**2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	155.80	77.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*7.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*23.37*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.76*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	359.21	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-59.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.27*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.21*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	367.31	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-60.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*81.32*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-78.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-78.66*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*98.33*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	175.28	87.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*8.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*26.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*62.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*126.09*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	194.75	97.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*9.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.89*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	493.99	116.85
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*87.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*17.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-101.26*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-101.26*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	458.31	107.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*108.74*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	114.17	27.97
		For Curb Or Flange Base, Add	*134.24*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	136.33	30.97
		For Curb Or Flange Base, Add	*148.03*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	148.46	36.96
		For Curb Or Flange Base, Add	*166.53*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	274.51	40.97
		For Curb Or Flange Base, Add	*255.11*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	374.47	45.96
		For Curb Or Flange Base, Add	*277.28*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	449.76	49.96
		For Curb Or Flange Base, Add	*300.69*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	572.00	55.95
		For Curb Or Flange Base, Add	*365.06*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	939.01	74.93
		For Curb Or Flange Base, Add	*587.56*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	111.09	27.97
		For Curb Or Flange Base, Add	*138.68*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	137.41	30.97
		For Curb Or Flange Base, Add	*153.14*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	154.70	36.96
		For Curb Or Flange Base, Add	*171.61*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	267.20	40.97
		For Curb Or Flange Base, Add	*279.33*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	342.52	45.96
		For Curb Or Flange Base, Add	*299.77*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	430.50	49.96
		For Curb Or Flange Base, Add	*336.35*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	577.75	55.95
		For Curb Or Flange Base, Add	*403.83*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	857.85	74.93
		For Curb Or Flange Base, Add	*601.50*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	97.88	27.97
		For Curb Or Flange Base, Add	*134.24*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	127.01	30.97
		For Curb Or Flange Base, Add	*148.03*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	140.82	36.96
		For Curb Or Flange Base, Add	*166.53*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	232.69	40.97
		For Curb Or Flange Base, Add	*255.11*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	268.66	45.96
		For Curb Or Flange Base, Add	*277.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	374.99	49.96
		For Curb Or Flange Base, Add	*300.69*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	485.33	55.95
		For Curb Or Flange Base, Add	*365.06*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	701.27	74.93
		For Curb Or Flange Base, Add	*587.56*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	107.14	27.97
		For Curb Or Flange Base, Add	*138.68*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	139.77	30.97
		For Curb Or Flange Base, Add	*153.14*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	156.68	36.96
		For Curb Or Flange Base, Add	*171.61*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	248.59	40.97
		For Curb Or Flange Base, Add	*279.33*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	310.91	45.96
		For Curb Or Flange Base, Add	*299.77*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	379.13	49.96
		For Curb Or Flange Base, Add	*336.35*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	538.26	55.95
		For Curb Or Flange Base, Add	*403.83*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	807.37	74.93
		For Curb Or Flange Base, Add	*601.50*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	225.23	44.96
		For Backdraft Damper, Add	*107.28*	
		For Curb Base, Add	*169.72*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	275.08	49.96
		For Backdraft Damper, Add	*117.38*	
		For Curb Base, Add	*185.78*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	312.68	59.94
		For Backdraft Damper, Add	*160.29*	
		For Curb Base, Add	*234.80*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	378.15	65.94
		For Backdraft Damper, Add	*183.00*	
		For Curb Base, Add	*271.28*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	968.18	89.92
		For Backdraft Damper, Add	*229.70*	
		For Curb Base, Add	*357.87*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,179.84	103.91
		For Backdraft Damper, Add	*271.35*	
		For Curb Base, Add	*427.00*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,598.43	119.89
		For Backdraft Damper, Add	*271.35*	
		For Curb Base, Add	*446.87*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,230.48	129.89
		For Backdraft Damper, Add	*283.97*	
		For Curb Base, Add	*464.33*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,189.41	139.87
		For Backdraft Damper, Add	*315.52*	
		For Curb Base, Add	*520.92*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	397.62	49.96
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	469.73	65.94
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	674.05	89.92
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,029.93	103.91

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	10.12	2.90
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	43.97	17.99
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	41.74	17.99

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	10.12	3.10

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	7.47	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 29 00-0003	EA	14" x 4' Rafter Vent	6.88	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	968.65	125.54
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,410.51	139.48
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	2,477.04	190.22
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,388.27	139.48
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,566.04	155.00
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,559.30	211.41

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	1,043.55	125.54
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,357.96	139.48
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,472.54	190.22
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,329.13	139.48
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,375.20	155.00
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,606.67	211.41
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,491.75	139.48

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	930.13	125.54
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,250.52	139.48
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,712.94	190.22
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,160.82	139.48
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,419.30	155.00
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,928.32	211.41

07 72 33 00-0023 Stainless Steel *(07 72 33)*

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90)	1,274.23	125.54
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	2,326.59	139.48
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	3,476.99	190.22
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	1,886.66	139.48
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	3,842.95	155.00
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	4,341.48	211.41

07 72 33 00-0030 Remove And Reinstall Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	386.13	

07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	1,010.59	139.48
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,325.00	155.00
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,386.86	211.32
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	1,302.76	143.85
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	2,302.70	159.36

07 72 33 00-0038 Roof Hatch Accessories *(07 72 33)*

07 72 33 00-0039	EA	Roof Hatch Ladderup Safety Post (Bilco LU-1)	506.29	65.38

07 72 33 00-0040 Roof Hatch Safety Railing *(07 72 33)*

Note: Included mounting bracket to attach to roof hatch

07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24)	1,147.70	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36)	1,193.14	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30)	1,220.14	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	1,322.57	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	1,442.36	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	1,814.88	

07 72 36 Smoke Vents *(07 72)*

07 72 36 00-0001 Fire Vent *(07 72 36)*

07 72 36 00-0002 Galvanized Steel Covers And Curb *(07 72 36 00-0001)*

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	2,463.50	116.30
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	2,837.04	159.89
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	3,233.02	174.44
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	3,297.46	183.16
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	3,820.20	159.89
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	4,062.11	174.44

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	4,289.32	189.00
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	4,883.40	203.56
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	6,057.10	218.03
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	4,061.88	189.00
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	8,529.47	232.59
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	4,684.65	247.15
07 72 36 00-0015		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,309.91	116.30
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,645.53	159.89
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,977.11	174.44
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,082.47	183.16
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	2,994.86	159.89
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,827.38	174.44
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,093.03	189.00
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,983.00	203.56
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,599.86	218.03
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,862.34	189.00
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,348.56	232.59
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,784.73	247.15
07 72 36 00-0028		**Aluminum Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,520.83	116.30
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,994.86	159.89
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,286.90	174.44
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,477.94	183.16
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,153.05	159.89
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	3,992.16	174.44
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,238.04	189.00
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,378.47	203.56
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,316.44	218.03
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,046.90	189.00
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	8,027.46	232.59
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,180.20	247.15
07 72 36 00-0041		**Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb** *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B)	2,494.46	115.95
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B)	3,159.64	159.89
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B)	3,339.52	183.16
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B)	3,588.07	159.89
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B)	3,785.27	203.56

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001		**Recycled Rubber Walkway Pads** *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	7.93	2.14
		For Diamond Surface, Add	*0.60*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	8.80	2.58
		For Diamond Surface, Add	*0.71*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	9.71	2.58
		For Diamond Surface, Add	*0.79*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001		**Snow Guards For Shingle And Tile Roofs** *(07 72 53)*		
07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	14.64	2.19
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	15.93	2.19
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	15.08	2.19
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	9.13	2.19
07 72 53 00-0006		**Snow Guards For Metal Roofs** *(07 72 53)*		
		Note: Aluminum construction.		
07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	18.59	3.57
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	20.61	3.57
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	30.15	3.57
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	29.72	3.57
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	28.04	4.16
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	30.58	4.16
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	38.04	4.16

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	16.24	3.13
		For Mechanically Fastened, Add	*6.24*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	18.33	3.13
		For Mechanically Fastened, Add	*6.24*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	25.45	3.13
		For Mechanically Fastened, Add	*6.24*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing.	9.91	3.13
		For Mechanically Fastened, Add	*8.33*	
07 72 53 00-0018		**Snow Breaker For Roofs** *(07 72 53)*		
07 72 53 00-0019	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	12.13	4.16
07 72 53 00-0020	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	11.51	4.16
07 72 53 00-0021	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	11.20	4.16
07 72 53 00-0022	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	10.83	4.16
07 72 53 00-0023		**Ice Breaker For Vents** *(07 72 53)*		
07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	87.93	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	100.79	
07 72 53 00-0026		**Pipe Style, Snow Guards For Metal Roofs** *(07 72 53)*		
07 72 53 00-0027		**Pipe Style, Standing Seam Metal Roof Snow Guard Clamps** *(07 72 53 00-0026)* Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	44.63	12.49
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	52.20	12.49
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	58.24	12.49
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	71.24	12.49
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	74.26	14.99
07 72 53 00-0033		**Tubing For Snow Guard Clamps** *(07 72 53 00-0026)*		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	9.47	3.00
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	17.50	3.00
07 72 56		**Snow/Ice Melt** *(07 72)*		
07 72 56 00-0001		**Self Regulating Heating Cable For Roofs And Gutters** *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	9.73	0.91
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	10.43	0.91
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	177.97	68.72
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	134.87	50.40
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	6.72	2.75
		For >5, Deduct	*-0.55*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	6.24	2.75
		For >5, Deduct	*-0.50*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	39.67	6.87
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	618.01	54.98
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	844.86	68.72
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		**Rooftop Oil And Grease Containment System** *(07 72 63)*		
07 72 63 00-0002		**Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)** *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	1,841.79	175.26
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	2,043.30	175.26
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	2,482.74	182.26
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	2,471.22	182.26
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	3,197.50	197.17
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	2,526.55	197.17
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	2,826.14	233.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	4,124.44	292.07
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	5,068.93	292.07
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	6,364.74	292.07
07 72 63 00-0013		Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	2,236.23	175.26
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	2,498.28	175.26
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	3,061.54	182.26
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	3,113.39	182.26
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	4,398.28	197.17
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	4,810.06	197.17
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	4,507.81	233.62
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	5,097.73	292.07
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	6,327.30	292.07
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	8,011.85	292.07
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	148.73	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	206.33	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	292.71	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	272.68	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	503.05	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	508.81	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	396.63	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	511.81	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	745.06	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	978.30	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	305.85	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	403.76	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	582.29	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	544.98	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,037.38	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,043.14	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	778.35	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0046	SET			108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,046.15	
07 72 63 00-0047	SET			120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,527.04	
07 72 63 00-0048	SET			144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	2,028.09	

07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET			48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	377.84	
07 72 63 00-0051	SET			60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	467.11	
07 72 63 00-0052	SET			60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	680.19	
07 72 63 00-0053	SET			72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	645.76	
07 72 63 00-0054	SET			72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,247.59	
07 72 63 00-0055	SET			72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,241.83	
07 72 63 00-0056	SET			90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	910.82	
07 72 63 00-0057	SET			108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,256.36	
07 72 63 00-0058	SET			120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,757.41	
07 72 63 00-0059	SET			144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,439.87	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF			1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.69	0.44
				For No Adhesive, Deduct	*-0.56*	
				For Hot-Mopped, Deduct	*-0.07*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.47*	
				For Mechanically Fastened To Gypsum, Add	*0.58*	
07 73 00 00-0003	SF			1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	3.02	0.48
				For No Adhesive, Deduct	*-0.58*	
				For Hot-Mopped, Deduct	*-0.06*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.53*	
				For Mechanically Fastened To Gypsum, Add	*0.64*	
07 73 00 00-0004	SF			5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	3.19	0.52
				For No Adhesive, Deduct	*-0.59*	
				For Hot-Mopped, Deduct	*-0.04*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.58*	
				For Mechanically Fastened To Gypsum, Add	*0.69*	
07 73 00 00-0005	SF			1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.72	0.44
				For No Adhesive, Deduct	*-0.56*	
				For Hot-Mopped, Deduct	*-0.07*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.47*	
				For Mechanically Fastened To Gypsum, Add	*0.58*	
07 73 00 00-0006	SF			1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	3.07	0.48
				For No Adhesive, Deduct	*-0.58*	
				For Hot-Mopped, Deduct	*-0.06*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.53*	
				For Mechanically Fastened To Gypsum, Add	*0.64*	
07 73 00 00-0007	SF			5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	3.24	0.52
				For No Adhesive, Deduct	*-0.59*	
				For Hot-Mopped, Deduct	*-0.04*	
				For Mechanically Fastened To Wood Or Steel, Deduct	*-0.18*	
				For Mechanically Fastened To Concrete, Add	*0.58*	
				For Mechanically Fastened To Gypsum, Add	*0.69*	

07 76 Roof Pavers *(07 70)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	11.61	5.58
		For 1-1/2" Thickness, Deduct	*-0.96*	
		For 2-1/2" Thickness, Add	*0.96*	
		For 3" Thickness, Add	*1.91*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	9.90	4.21
		For 1-1/2" Thickness, Deduct	*-0.80*	
		For 2-1/2" Thickness, Add	*0.80*	
		For 3" Thickness, Add	*1.59*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	8.47	3.35
		For 1-1/2" Thickness, Deduct	*-0.66*	
		For 2-1/2" Thickness, Add	*0.66*	
		For 3" Thickness, Add	*1.33*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	7.59	2.92
		For 1-1/2" Thickness, Deduct	*-0.59*	
		For 2-1/2" Thickness, Add	*0.59*	
		For 3" Thickness, Add	*1.17*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	6.99	2.66
		For 1-1/2" Thickness, Deduct	*-0.54*	
		For 2-1/2" Thickness, Add	*0.54*	
		For 3" Thickness, Add	*1.08*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	15.48	0.87
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	16.35	0.87
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	17.23	0.87
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	8.44	0.87
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	8.08	0.87
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	8.25	0.87
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	4.58	0.87
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	6.43	0.87

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.73	
		For 20 Year Warranty, Deduct	*-0.20*	
		For 15 Year Warranty, Deduct	*-0.40*	
		For 10 Year Warranty, Deduct	*-0.54*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.78	
		For 20 Year Warranty, Deduct	*-0.28*	
		For 15 Year Warranty, Deduct	*-0.57*	
		For 10 Year Warranty, Deduct	*-0.77*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.64	
		For 20 Year Warranty, Deduct	*-0.33*	
		For 15 Year Warranty, Deduct	*-0.66*	
		For 10 Year Warranty, Deduct	*-0.89*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	6.76	
		For 20 Year Warranty, Deduct	*-0.41*	
		For 15 Year Warranty, Deduct	*-0.83*	
		For 10 Year Warranty, Deduct	*-1.12*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire And Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Cementitious Fireproofing *(07 81 16)*

07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) *(07 81 16 00-0001)*

07 81 16 00-0003	SF	Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage	1.07	0.60
07 81 16 00-0004	SF	Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage	1.49	0.71

07 81 16 00-0005 Spray On Roofs And Beams *(07 81 16 00-0001)*

07 81 16 00-0006	SF	Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage	2.18	0.87
07 81 16 00-0007	SF	Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage	2.36	0.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0008	SF	Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	2.46	0.99
07 81 16 00-0009		**Spray On Beams (Min. W8x24)** *(07 81 16 00-0001)*		
07 81 16 00-0010	SF	Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage (Min W8x24)	0.91	0.47
07 81 16 00-0011	SF	Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage (Min W8x24)	1.12	0.60
07 81 16 00-0012	SF	Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage (Min W8x24)	1.59	0.71
07 81 16 00-0013	SF	Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage (Min W8x24)	2.10	0.83
07 81 16 00-0014		**Spray On Columns (W10x49)** *(07 81 16 00-0001)*		
07 81 16 00-0015	SF	Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage (W10x49)	2.06	0.80
07 81 16 00-0016	SF	Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage (W10x49)	2.24	0.83
07 81 16 00-0017	SF	Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage (W10x49)	2.88	0.99
07 81 16 00-0018	SF	Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage (W10x49)	3.75	1.18
07 81 16 00-0019		**Spray On Columns (W14x228)** *(07 81 16 00-0001)*		
07 81 16 00-0020	SF	Spray Fireproofing For Columns, 2 Hour Rated 5/8" Thick Coverage (W14x228)	1.34	0.60
07 81 16 00-0021	SF	Spray Fireproofing For Columns, 3 Hour Rated 7/8" Thick Coverage (W14x228)	1.69	0.71
07 81 16 00-0022	SF	Spray Fireproofing For Columns, 4 Hour Rated 1-1/4" Thick Coverage (W14x228)	2.24	0.87
07 81 16 00-0023		**Gunite Fireproofing** *(07 81 16)*		
07 81 16 00-0024	SF	Fireproofing, Gunite, Non Reinforced, 1" Thick	2.39	0.59
07 81 16 00-0025	SF	Fireproofing, Gunite, Reinforced, 1" Thick	3.35	0.59
07 81 16 00-0026		**Monokote Fireproofing** *(07 81 16)*		
07 81 16 00-0027	CSF	Monokote Fireproofing For Structural Steel Note: Per inch of thickness.	235.73	88.72
07 81 16 00-0028	CSF	Monokote Fireproofing For Columns Note: Per inch of thickness.	219.73	1.18
07 81 16 00-0029	CSF	Monokote Fireproofing For Ceiling/Decking Note: Per inch of thickness.	168.92	59.41
07 81 23		**Intumescent Fireproofing** *(07 81)*		
07 81 23 00-0001		Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*		
07 81 23 00-0002		Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	9.96	
		For >10,000, Deduct	*-0.94*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	15.81	
		For >10,000, Deduct	*-1.52*	
07 81 23 00-0005		Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	6.61	
		For >10,000, Deduct	*-0.60*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	14.23	
		For >10,000, Deduct	*-1.36*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	31.74	
		For >10,000, Deduct	*-3.11*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	43.58	
		For >10,000, Deduct	*-4.28*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	55.41	
		For >10,000, Deduct	*-5.46*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	67.26	
		For >10,000, Deduct	*-6.64*	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	12.97	
		For >10,000, Deduct	*-1.24*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.83	
		For >10,000, Deduct	*-2.32*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	37.62	
		For >10,000, Deduct	*-3.69*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	52.41	
		For >10,000, Deduct	*-5.17*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	66.20	
		For >10,000, Deduct	*-6.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*		
		Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	6.37	
		For >10,000, Deduct	*-0.60*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	14.21	
		For >10,000, Deduct	*-1.38*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	32.24	
		For >10,000, Deduct	*-3.18*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	44.41	
		For >10,000, Deduct	*-4.39*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	56.60	
		For >10,000, Deduct	*-5.60*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.08	0.59
07 82		Board Fireproofing *(07 80)*		
		Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0072 for gypsum board casing and corner bead.		
07 82 00 00-0001		Fireproofing On Columns *(07 82)*		
07 82 00 00-0002		Up To 4,500 SF, Fireproofing On Columns *(07 82 00 00-0001)*		
07 82 00 00-0003	CSF	Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns	1,260.98	883.36
07 82 00 00-0004	CSF	Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns	2,269.96	1,577.42
07 82 00 00-0005	CSF	Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500, Fireproofing On Columns	2,012.41	1,388.14
07 82 00 00-0006	CSF	Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns	1,319.30	820.26
07 82 00 00-0007	CSF	Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns	1,042.32	694.06
07 82 00 00-0008	CSF	Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns	1,573.07	1,072.65
07 82 00 00-0009	CSF	Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns	885.92	567.87
07 82 00 00-0010		>4,500 SF, Fireproofing On Columns *(07 82 00 00-0001)*		
07 82 00 00-0011	CSF	Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns	1,283.50	883.36
07 82 00 00-0012	CSF	Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns	2,315.00	1,577.42
07 82 00 00-0013	CSF	Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns	2,140.78	1,388.14
07 82 00 00-0014	CSF	Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns	1,202.17	820.26
07 82 00 00-0015	CSF	Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns	981.92	694.06
07 82 00 00-0016	CSF	Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns	1,557.26	1,072.65
07 82 00 00-0017	CSF	Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns	871.60	567.87
07 84		Firestopping *(07 80)*		
07 84 13		**Penetration Firestopping** *(07 84)*		
07 84 13 16		**Penetration Firestopping Devices** *(07 84 13)*		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*		
		Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	50.83	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	68.02	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	109.85	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*		
		Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	92.00	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	160.83	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	293.82	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	207.66	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	192.47	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	198.24	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0014		**Intumescent Firestopping Pipe Collar** *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	31.72	9.25
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	38.09	9.25
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	44.26	10.18
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	68.90	11.57
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	334.84	13.88
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	432.37	15.27
07 84 13 16-0021		**Fire Rated Enclosures (Fire Rated Product Specialties Corp.)** *(07 84 13 16)* Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	115.18	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	120.97	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	224.52	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	146.42	
07 84 13 16-0026		**Intumescent Firestopping Wrap Strips** *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	4.96	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		**Intumescent Firestopping For Sealing Pipe Penetrations** *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	18.67	
		For Intumescent Sealant For Plastic Pipe, Add	*0.06*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.02*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	22.95	
		For Intumescent Sealant For Plastic Pipe, Add	*0.29*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.11*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	22.77	
		For Intumescent Sealant For Plastic Pipe, Add	*0.22*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.08*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	22.47	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.04*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	26.56	
		For Intumescent Sealant For Plastic Pipe, Add	*0.62*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.23*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	26.38	
		For Intumescent Sealant For Plastic Pipe, Add	*0.54*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.20*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	26.08	
		For Intumescent Sealant For Plastic Pipe, Add	*0.42*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.16*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	25.60	
		For Intumescent Sealant For Plastic Pipe, Add	*0.23*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.09*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	25.20	
		For Intumescent Sealant For Plastic Pipe, Add	*0.07*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.03*	
07 84 13 19-0011	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	32.24	
		For Intumescent Sealant For Plastic Pipe, Add	*1.04*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.39*	
07 84 13 19-0012	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	32.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.96*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.36*	
07 84 13 19-0013	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	31.75	
		For Intumescent Sealant For Plastic Pipe, Add	*0.84*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.32*	
07 84 13 19-0014	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	31.28	
		For Intumescent Sealant For Plastic Pipe, Add	*0.65*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.24*	
07 84 13 19-0015	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	30.89	
		For Intumescent Sealant For Plastic Pipe, Add	*0.50*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.19*	
07 84 13 19-0016	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	29.94	
		For Intumescent Sealant For Plastic Pipe, Add	*0.12*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.04*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	44.04	
		For Intumescent Sealant For Plastic Pipe, Add	*2.79*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	40.76	
		For Intumescent Sealant For Plastic Pipe, Add	*1.48*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.56*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	40.46	
		For Intumescent Sealant For Plastic Pipe, Add	*1.36*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.51*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	39.98	
		For Intumescent Sealant For Plastic Pipe, Add	*1.17*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.44*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	39.58	
		For Intumescent Sealant For Plastic Pipe, Add	*1.01*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.38*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	38.63	
		For Intumescent Sealant For Plastic Pipe, Add	*0.63*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.24*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	37.40	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.05*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	59.20	
		For Intumescent Sealant For Plastic Pipe, Add	*5.15*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.93*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	58.87	
		For Intumescent Sealant For Plastic Pipe, Add	*5.02*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.88*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	58.33	
		For Intumescent Sealant For Plastic Pipe, Add	*4.80*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.80*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	57.48	
		For Intumescent Sealant For Plastic Pipe, Add	*4.46*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.67*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	56.76	
		For Intumescent Sealant For Plastic Pipe, Add	*4.18*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.57*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	51.17	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.73*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	49.94	
		For Intumescent Sealant For Plastic Pipe, Add	*1.45*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.54*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	48.07	
		For Intumescent Sealant For Plastic Pipe, Add	*0.70*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.26*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	94.58	
		For Intumescent Sealant For Plastic Pipe, Add	*11.89*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.46*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	94.25	
		For Intumescent Sealant For Plastic Pipe, Add	*11.76*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.41*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	93.71	
		For Intumescent Sealant For Plastic Pipe, Add	*11.54*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.33*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	92.85	
		For Intumescent Sealant For Plastic Pipe, Add	*11.20*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.20*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	92.14	
		For Intumescent Sealant For Plastic Pipe, Add	*10.92*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.09*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	90.43	
		For Intumescent Sealant For Plastic Pipe, Add	*10.23*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*3.84*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	88.21	
		For Intumescent Sealant For Plastic Pipe, Add	*9.34*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*3.50*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	84.86	
		For Intumescent Sealant For Plastic Pipe, Add	*8.00*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*3.00*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	72.22	
		For Intumescent Sealant For Plastic Pipe, Add	*2.95*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.11*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	125.70	
		For Intumescent Sealant For Plastic Pipe, Add	*18.78*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*7.04*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	122.34	
		For Intumescent Sealant For Plastic Pipe, Add	*17.44*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*6.54*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	115.60	
		For Intumescent Sealant For Plastic Pipe, Add	*14.74*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*5.53*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	88.13	
		For Intumescent Sealant For Plastic Pipe, Add	*3.75*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.41*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	159.83	
		For Intumescent Sealant For Plastic Pipe, Add	*26.88*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*10.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	139.85	
		For Intumescent Sealant For Plastic Pipe, Add	*18.88*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*7.08*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant	104.59	
		For Intumescent Sealant For Plastic Pipe, Add	*4.78*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.79*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.48
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.41
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.31
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.53
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.46
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.37
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.22
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.09
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.54
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.48
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.38
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.23
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.10
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.78
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.38
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.32
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.22
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.07
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.94
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.61
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.16
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.78
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.71
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.61
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.45
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.30
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	47.97
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	47.56
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.91
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.52
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.45
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.35
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.21
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.08
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.75
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.30

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	68.69	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	67.36	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	87.70	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	87.09	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	85.76	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	82.00	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.46	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	101.69	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	96.71	

07 84 16 Annular Space Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	28.63	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	40.59	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	42.44	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	44.30	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	46.15	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	58.10	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	11.70	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	12.12	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	11.34	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	12.16	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	11.84	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	11.39	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	28.73	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	30.80	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	33.36	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	262.96	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	369.21	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	498.44	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	40.13	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	147.88	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	132.48	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

07 84 23 00-0002	EA	2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	36.01	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	86.77	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	153.97	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	235.59	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	336.30	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	451.53	

07 84 43 Joint Firestopping *(07 84)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant	368.01	148.22
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*10.73*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant	422.26	157.49
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*16.10*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant	458.02	157.49
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*21.46*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant	475.91	157.49
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*24.15*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant	529.56	157.49
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*32.19*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant	601.82	166.77
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*40.24*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant	673.93	176.02
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*48.29*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant	619.70	166.77
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*42.92*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant	728.28	185.29
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*53.66*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant	818.37	194.56
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*64.39*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant	908.41	203.81
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*75.12*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant	1,128.28	277.91
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*85.85*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant	1,236.82	296.48
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*96.58*	
07 84 43 00-0015	CLF	1" x 1" Joint, Intumescent Firestop Sealant	1,756.08	305.71
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*171.70*	
07 84 43 00-0016		Passive Smoke And Fire Protection Sealant For Joints *(07 84 43)*		
07 84 43 00-0017	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	340.03	148.22
07 84 43 00-0018	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	380.26	157.49
07 84 43 00-0019	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	402.03	157.49
07 84 43 00-0020	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	412.92	157.49
07 84 43 00-0021	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	445.58	157.49
07 84 43 00-0022	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	496.84	166.77
07 84 43 00-0023	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	547.95	176.02
07 84 43 00-0024	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	507.73	166.77
07 84 43 00-0025	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	588.30	185.29
07 84 43 00-0026	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	650.40	194.56
07 84 43 00-0027	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	712.45	203.81
07 84 43 00-0028	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	904.32	277.91
07 84 43 00-0029	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	984.87	296.48
07 84 43 00-0030	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,308.16	305.71
07 84 56		**Fire Safing** *(07 84)*		
07 84 56 13		**Fibrous Fire Safing** *(07 84 56)*		
07 84 56 13-0001		Thermal Barrier Wrap *(07 84 56 13)*		
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	8.41	
		For Work In Restricted Working Space, Add	*1.17*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	13.28	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.17*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	14.45	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.17*	
07 84 56 13-0005		FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*		
07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	15.76	9.42
		For Work In Restricted Working Space, Add	*3.79*	
		For >500 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	18.36	9.42
		For Work In Restricted Working Space, Add	*3.79*	
		For >500 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-3.39*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	21.21	9.42
		For Work In Restricted Working Space, Add	*3.79*	
		For >500 To 5,000, Deduct	*-2.61*	
		For >5,000, Deduct	*-4.44*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	24.06	9.42
		For Work In Restricted Working Space, Add	*3.79*	
		For >500 To 5,000, Deduct	*-3.26*	
		For >5,000, Deduct	*-5.49*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.40	0.44
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.51	0.44
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.62	0.44
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	1.72	0.44
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	1.78	0.52
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	1.89	0.52
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	2.06	0.52
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	2.25	0.61
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	2.51	0.70
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	2.92	0.79
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	4.30	0.96

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.76	0.52
		For Coloring, Add	*0.00*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	5.02	1.49
		For Coloring, Add	*0.02*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	5.72	1.58
		For Coloring, Add	*0.03*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	5.81	1.67
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	6.73	3.07

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	351.01	101.12
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	570.69	146.08
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	452.21	125.22
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	526.67	131.44
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	803.23	202.24
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	924.38	219.07
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	854.00	159.31

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	362.01	125.22
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	636.71	202.24
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	480.32	172.63
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	596.35	182.26
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	906.53	279.53
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,077.19	303.37
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,452.23	363.66

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	128.29	20.06
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	256.57	40.05
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	382.61	59.50
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	543.93	80.18
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	128.29	20.06
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	382.26	59.33
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	665.87	89.12
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,330.18	177.62
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,539.66	320.63
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,873.93	500.88
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	5,623.95	801.44

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	3.74	1.14
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	3.97	1.14
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	4.19	1.22
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	4.42	1.31
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	4.74	1.41
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	4.97	1.41
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	5.27	1.49
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	5.44	1.49
07 91 33		**Expansion Joint Seal Systems** *(07 91)*		
07 91 33 00-0001		Expansion Joint Seal Systems (Wabo®) *(07 91 33)*		
07 91 33 00-0002		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	57.47	5.88
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	75.58	6.16
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	94.67	6.44
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	115.89	6.72
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	149.02	7.00
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	170.60	7.28
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	197.30	7.56
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	31.57	5.88
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	34.12	5.97
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	40.36	6.05
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	42.64	6.16
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	45.32	6.24
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	54.53	6.32
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	66.24	6.44
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	77.67	6.72
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	87.48	7.00
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	27.16	5.88
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	34.17	6.16
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	41.07	6.44
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	43.21	6.58
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	47.49	6.72
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	66.12	7.00
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	89.13	7.28
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	20.64	2.33

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	33.96	2.42
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	50.61	2.52
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	63.56	2.61
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	83.31	2.71
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	109.86	2.80
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	134.50	2.90
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	180.97	2.99
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	211.10	3.08

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	20.17	2.33
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	26.32	2.42
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	34.98	2.52
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	47.10	2.61
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	53.60	2.71
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	73.95	2.80
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	98.96	2.90
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	106.77	2.99

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001 Silicone Sealant And Caulking *(07 92 13)*

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	333.03	148.23
		For Coloring, Add	*13.17*	
		For 1 Part Mildew Resistant, Add	*12.80*	
		For High-Modulus Non-Acid Curing, Add	*7.31*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	360.57	152.87
		For Coloring, Add	*19.75*	
		For 1 Part Mildew Resistant, Add	*19.20*	
		For High-Modulus Non-Acid Curing, Add	*10.97*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	388.08	157.49
		For Coloring, Add	*26.33*	
		For 1 Part Mildew Resistant, Add	*25.60*	
		For High-Modulus Non-Acid Curing, Add	*14.63*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	397.22	157.49
		For Coloring, Add	*29.62*	
		For 1 Part Mildew Resistant, Add	*28.80*	
		For High-Modulus Non-Acid Curing, Add	*16.46*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	434.00	162.13
		For Coloring, Add	*39.50*	
		For 1 Part Mildew Resistant, Add	*38.40*	
		For High-Modulus Non-Acid Curing, Add	*21.94*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	470.68	166.77
		For Coloring, Add	*49.37*	
		For 1 Part Mildew Resistant, Add	*48.00*	
		For High-Modulus Non-Acid Curing, Add	*27.43*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	516.55	176.02
		For Coloring, Add	*59.24*	
		For 1 Part Mildew Resistant, Add	*57.60*	
		For High-Modulus Non-Acid Curing, Add	*32.91*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	479.82	166.77
		For Coloring, Add	*52.66*	
		For 1 Part Mildew Resistant, Add	*51.20*	
		For High-Modulus Non-Acid Curing, Add	*29.26*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	553.42	185.29
		For Coloring, Add	*65.83*	
		For 1 Part Mildew Resistant, Add	*64.00*	
		For High-Modulus Non-Acid Curing, Add	*36.57*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	608.54	194.56
		For Coloring, Add	*78.99*	
		For 1 Part Mildew Resistant, Add	*76.80*	
		For High-Modulus Non-Acid Curing, Add	*43.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	663.61	203.81
		For Coloring, Add	*92.16*	
		For 1 Part Mildew Resistant, Add	*89.60*	
		For High-Modulus Non-Acid Curing, Add	*51.20*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	709.42	208.43
		For Coloring, Add	*105.32*	
		For 1 Part Mildew Resistant, Add	*102.40*	
		For High-Modulus Non-Acid Curing, Add	*58.51*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	755.35	213.07
		For Coloring, Add	*118.49*	
		For 1 Part Mildew Resistant, Add	*115.20*	
		For High-Modulus Non-Acid Curing, Add	*65.83*	
07 92 13 00-0015	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,048.32	231.61
		For Coloring, Add	*210.64*	
		For 1 Part Mildew Resistant, Add	*204.79*	
		For High-Modulus Non-Acid Curing, Add	*117.02*	

07 92 13 00-0016 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0017	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	315.16	148.22
07 92 13 00-0018	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	333.73	152.86
07 92 13 00-0019	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	352.31	157.49
07 92 13 00-0020	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	356.98	157.49
07 92 13 00-0021	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	380.34	162.13
07 92 13 00-0022	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	403.60	166.77
07 92 13 00-0023	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	436.06	176.02
07 92 13 00-0024	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	408.27	166.77
07 92 13 00-0025	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	463.98	185.29
07 92 13 00-0026	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	501.22	194.56
07 92 13 00-0027	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	538.40	203.81
07 92 13 00-0028	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	566.32	208.43
07 92 13 00-0029	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	594.36	213.07
07 92 13 00-0030	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	762.13	231.61

07 92 13 00-0031 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0032	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	324.53	148.22
07 92 13 00-0033	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	347.78	153.79
07 92 13 00-0034	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	371.04	157.49
07 92 13 00-0035	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	378.05	157.49
07 92 13 00-0036	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	408.43	162.13
07 92 13 00-0037	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	438.72	166.77
07 92 13 00-0038	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	478.20	176.02
07 92 13 00-0039	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	445.73	166.77
07 92 13 00-0040	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	510.81	185.29
07 92 13 00-0041	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	557.41	194.56
07 92 13 00-0042	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	603.95	203.81
07 92 13 00-0043	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	641.24	208.43
07 92 13 00-0044	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	678.65	213.07
07 92 13 00-0045	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	799.78	231.61

07 92 13 00-0046 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0047	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	327.19	148.22
07 92 13 00-0048	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	351.79	154.72
07 92 13 00-0049	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	376.37	157.49
07 92 13 00-0050	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	384.05	157.49
07 92 13 00-0051	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	416.45	162.13
07 92 13 00-0052	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	448.73	166.77
07 92 13 00-0053	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	490.21	176.02
07 92 13 00-0054	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	456.40	166.77
07 92 13 00-0055	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	524.16	185.29
07 92 13 00-0056	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	573.42	194.56
07 92 13 00-0057	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	622.64	203.81
07 92 13 00-0058	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	662.59	208.43
07 92 13 00-0059	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	702.67	213.07
07 92 13 00-0060	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	831.80	231.61

07 92 13 00-0061 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0062	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	333.70	148.22
07 92 13 00-0063	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	361.55	153.79
07 92 13 00-0064	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	389.39	157.49
07 92 13 00-0065	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	398.70	157.49
07 92 13 00-0066	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	435.96	162.13
07 92 13 00-0067	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	473.13	166.77
07 92 13 00-0068	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	519.50	176.02
07 92 13 00-0069	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	482.44	166.77
07 92 13 00-0070	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	556.69	185.29

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0071	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	612.47	194.56
07 92 13 00-0072	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	668.19	203.81
07 92 13 00-0073	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	714.66	208.43
07 92 13 00-0074	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	761.24	213.07
07 92 13 00-0075	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	909.91	231.61

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	305.91	138.97
		For Coloring, Add	*10.08*	
		For 1 Part Mildew Resistant, Add	*9.80*	
		For High-Modulus Non-Acid Curing, Add	*5.60*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	335.11	148.22
		For Coloring, Add	*13.91*	
		For 1 Part Mildew Resistant, Add	*13.52*	
		For High-Modulus Non-Acid Curing, Add	*7.73*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	359.84	157.49
		For Coloring, Add	*16.16*	
		For 1 Part Mildew Resistant, Add	*15.72*	
		For High-Modulus Non-Acid Curing, Add	*8.98*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	377.23	157.49
		For Coloring, Add	*22.42*	
		For 1 Part Mildew Resistant, Add	*21.80*	
		For High-Modulus Non-Acid Curing, Add	*12.46*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	404.67	162.13
		For Coloring, Add	*28.94*	
		For 1 Part Mildew Resistant, Add	*28.13*	
		For High-Modulus Non-Acid Curing, Add	*16.08*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	446.80	166.77
		For Coloring, Add	*40.77*	
		For 1 Part Mildew Resistant, Add	*39.64*	
		For High-Modulus Non-Acid Curing, Add	*22.65*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type	48.54	5.11
07 95 13 13-0004	LF	Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	53.00	5.11
07 95 13 13-0005	LF	Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	71.75	5.11

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type	61.59	5.11
07 95 13 13-0008	LF	Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	63.18	5.11
07 95 13 13-0009	LF	Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	96.40	5.11

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	35.50	5.11
07 95 13 13-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	42.82	5.11
07 95 13 13-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	59.43	5.11

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	43.33	5.11
07 95 13 13-0017	LF	Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	47.90	5.11
07 95 13 13-0018	LF	Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	71.75	5.11

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	56.81	3.41
07 95 13 16-0004	LF	Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	67.79	3.41
07 95 13 16-0005	LF	Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	75.36	3.41

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	43.53	3.41

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0008	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies	56.97	3.41
07 95 13 16-0009		Flat Wall To Wall *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	33.03	3.41
07 95 13 16-0011	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	41.09	3.41
07 95 13 16-0012	LF	Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	50.83	3.41
07 95 13 16-0013		Corner To Flat Wall *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	31.64	3.41
07 95 13 16-0015	LF	Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	37.02	3.41
07 95 13 16-0016	LF	Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	52.13	3.41

END OF SECTION 07

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation And Maintenance Of Openings *(08)*

08 01 10 Operation And Maintenance Of Doors And Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors And Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*

Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	SF	Patch Small Drill Holes	6.79
08 01 11 61-0003	LF	Patch Deep Scrapes Or Cuts In Doors	33.94
08 01 11 61-0004	IN	Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)	10.18

08 01 50 Operation And Maintenance Of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	10.06
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	27.65
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	30.52
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	19.09
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	17.58
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	21.31
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing Note: Channel, spiral or coil balance.	67.65
		For Replacing Two Balances In One Window, Deduct	*-25.58*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 00-0001 Glazing Compound Repair *(08 01 81)*

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	4.53

08 05 Common Work Results For Openings *(08)*

08 05 13 Door Options And Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	80.43
		For 9/16" To 1-1/16" Glazing Pocket, Add	*40.22*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	101.81
		For 9/16" To 1-1/16" Glazing Pocket, Add	*50.91*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	118.10
		For 9/16" To 1-1/16" Glazing Pocket, Add	*59.05*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	150.68
		For 9/16" To 1-1/16" Glazing Pocket, Add	*75.34*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	195.48
		For 9/16" To 1-1/16" Glazing Pocket, Add	*97.74*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	249.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*124.72*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	264.71
		For 9/16" To 1-1/16" Glazing Pocket, Add	*132.36*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	165.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*36.56*
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	194.51
		For 9/16" To 1-1/16" Glazing Pocket, Add	*46.28*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	218.58	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*53.69*	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	257.47	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*68.50*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	307.46	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*88.86*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	365.78	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*113.39*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	388.93	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*120.33*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	99.78
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	111.99
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	148.65
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	236.21
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	312.57
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	388.93
08 05 13 00-0023	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	442.89
08 05 13 00-0024	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	169.29
08 05 13 00-0025	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	188.45
08 05 13 00-0026	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	232.06
08 05 13 00-0027	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	326.57
08 05 13 00-0028	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	409.88
08 05 13 00-0029	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	493.19
08 05 13 00-0030	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	554.10

08 05 13 00-0031 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0032	EA	Factory Prepare Wood Door (Rated Or Non Rated) For Mortise Lockset Hardware	69.49
08 05 13 00-0033	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	171.39
08 05 13 00-0034	EA	Prepare Existing Wood Door (Non Rated) For Mortise Lockset Hardware	78.75
08 05 13 00-0035	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	138.97
08 05 13 00-0036	EA	Prepare Existing Wood Door (Non Rated) For Cylindrical Lockset Hardware	23.16
08 05 13 00-0037	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	254.80
08 05 13 00-0038	EA	Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	162.13
08 05 13 00-0039	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	171.39
08 05 13 00-0040	EA	Prepare Existing Door (Non Rated) For Electric Hardware	78.75

08 05 13 00-0041 Door Modifications *(08 05 13)*

08 05 13 00-0042	EA	For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	104.24
08 05 13 00-0043	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	21.38
08 05 13 00-0044	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	83.41
08 05 13 00-0045	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	42.00
08 05 13 00-0046	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.	948.61
08 05 13 00-0047	EA	Removal And Reinstallation Of Door	78.77
08 05 13 00-0048	EA	Removal And Reinstallation Of Metal Door Frame	154.46
08 05 13 00-0049	EA	Removal And Reinstallation Of Wood Door Frame	93.34

08 10 Doors And Frames *(08)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 11 Metal Doors And Frames *(08 10)*

08 11 63 Metal Screen And Storm Doors And Frames *(08 11)*

08 11 63 13 Steel Screen And Storm Doors And Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	754.47	127.43
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	763.77	132.06
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	769.62	132.06

08 11 63 23 Aluminum Screen And Storm Doors And Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	611.29	74.14
		For Special Finished, Add	*51.11*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	640.02	74.14
08 11 63 23-0004	EA	Aluminum Screen Door	207.95	46.32
08 11 63 23-0005	SF	Repair Screen Door	6.24	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door *(08 11 73)*

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,602.82	426.53
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,856.14	426.53
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,281.55	426.53
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,742.61	426.53

08 12 Metal Frames *(08 10)*

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	264.96	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.89*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*15.11*	
		For Type 304 Stainless Steel Frame, Add	*233.66*	
		For Type 316 Stainless Steel Frame, Add	*271.45*	
		For Baked Enamel Finish, Add	*58.64*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-12.60*	
		For 14 Gauge Frame, Add	*31.49*	
		For 12 Gauge Frame, Add	*47.86*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	302.86	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.49*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*17.99*	
		For Type 304 Stainless Steel Frame, Add	*277.54*	
		For Type 316 Stainless Steel Frame, Add	*322.52*	
		For Baked Enamel Finish, Add	*67.92*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-14.99*	
		For 14 Gauge Frame, Add	*37.49*	
		For 12 Gauge Frame, Add	*56.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	314.52	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.85*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*18.28*	
		For Type 304 Stainless Steel Frame, Add	*282.32*	
		For Type 316 Stainless Steel Frame, Add	*328.02*	
		For Baked Enamel Finish, Add	*70.03*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-15.23*	
		For 14 Gauge Frame, Add	*38.09*	
		For 12 Gauge Frame, Add	*57.89*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	328.42	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.85*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*18.28*	
		For Type 304 Stainless Steel Frame, Add	*283.02*	
		For Type 316 Stainless Steel Frame, Add	*328.72*	
		For Baked Enamel Finish, Add	*72.11*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-15.23*	
		For 14 Gauge Frame, Add	*38.09*	
		For 12 Gauge Frame, Add	*57.89*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	335.46	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*18.57*	
		For Type 304 Stainless Steel Frame, Add	*287.57*	
		For Type 316 Stainless Steel Frame, Add	*333.99*	
		For Baked Enamel Finish, Add	*73.53*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-15.47*	
		For 14 Gauge Frame, Add	*38.69*	
		For 12 Gauge Frame, Add	*58.80*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	342.49	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.57*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*18.86*	
		For Type 304 Stainless Steel Frame, Add	*292.12*	
		For Type 316 Stainless Steel Frame, Add	*339.26*	
		For Baked Enamel Finish, Add	*74.94*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-15.71*	
		For 14 Gauge Frame, Add	*39.29*	
		For 12 Gauge Frame, Add	*59.71*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	362.55	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.19*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.15*	
		For Type 304 Stainless Steel Frame, Add	*312.01*	
		For Type 316 Stainless Steel Frame, Add	*362.38*	
		For Baked Enamel Finish, Add	*79.57*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.79*	
		For 14 Gauge Frame, Add	*41.98*	
		For 12 Gauge Frame, Add	*63.81*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	371.81	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.19*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.15*	
		For Type 304 Stainless Steel Frame, Add	*312.47*	
		For Type 316 Stainless Steel Frame, Add	*362.85*	
		For Baked Enamel Finish, Add	*80.96*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.79*	
		For 14 Gauge Frame, Add	*41.98*	
		For 12 Gauge Frame, Add	*63.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	387.08	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.09*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.87*	
		For Type 304 Stainless Steel Frame, Add	*323.73*	
		For Type 316 Stainless Steel Frame, Add	*375.91*	
		For Baked Enamel Finish, Add	*84.15*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.39*	
		For 14 Gauge Frame, Add	*43.48*	
		For 12 Gauge Frame, Add	*66.09*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	402.35	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*21.59*	
		For Type 304 Stainless Steel Frame, Add	*335.00*	
		For Type 316 Stainless Steel Frame, Add	*388.97*	
		For Baked Enamel Finish, Add	*87.34*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.99*	
		For 14 Gauge Frame, Add	*44.98*	
		For 12 Gauge Frame, Add	*68.37*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	411.62	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*21.59*	
		For Type 304 Stainless Steel Frame, Add	*335.46*	
		For Type 316 Stainless Steel Frame, Add	*389.44*	
		For Baked Enamel Finish, Add	*88.73*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.99*	
		For 14 Gauge Frame, Add	*44.98*	
		For 12 Gauge Frame, Add	*68.37*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	419.25	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.44*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*21.95*	
		For Type 304 Stainless Steel Frame, Add	*341.09*	
		For Type 316 Stainless Steel Frame, Add	*395.97*	
		For Baked Enamel Finish, Add	*90.33*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.29*	
		For 14 Gauge Frame, Add	*45.73*	
		For 12 Gauge Frame, Add	*69.51*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	426.88	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.89*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.31*	
		For Type 304 Stainless Steel Frame, Add	*346.72*	
		For Type 316 Stainless Steel Frame, Add	*402.50*	
		For Baked Enamel Finish, Add	*91.92*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.59*	
		For 14 Gauge Frame, Add	*46.48*	
		For 12 Gauge Frame, Add	*70.65*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	443.51	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.69*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.75*	
		For Type 304 Stainless Steel Frame, Add	*368.54*	
		For Type 316 Stainless Steel Frame, Add	*427.91*	
		For Baked Enamel Finish, Add	*96.21*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.79*	
		For 14 Gauge Frame, Add	*49.48*	
		For 12 Gauge Frame, Add	*75.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	460.15	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.49*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*25.19*	
		For Type 304 Stainless Steel Frame, Add	*390.37*	
		For Type 316 Stainless Steel Frame, Add	*453.34*	
		For Baked Enamel Finish, Add	*100.51*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.99*	
		For 14 Gauge Frame, Add	*52.48*	
		For 12 Gauge Frame, Add	*79.77*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	278.96	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*16.79*	
		For Type 304 Stainless Steel Frame, Add	*258.86*	
		For Type 316 Stainless Steel Frame, Add	*300.85*	
		For Baked Enamel Finish, Add	*62.84*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-14.00*	
		For 14 Gauge Frame, Add	*34.99*	
		For 12 Gauge Frame, Add	*53.18*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	319.52	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*24.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*19.99*	
		For Type 304 Stainless Steel Frame, Add	*307.53*	
		For Type 316 Stainless Steel Frame, Add	*357.51*	
		For Baked Enamel Finish, Add	*72.92*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.66*	
		For 14 Gauge Frame, Add	*41.65*	
		For 12 Gauge Frame, Add	*63.31*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	331.45	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.31*	
		For Type 304 Stainless Steel Frame, Add	*312.80*	
		For Type 316 Stainless Steel Frame, Add	*363.58*	
		For Baked Enamel Finish, Add	*75.11*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.93*	
		For 14 Gauge Frame, Add	*42.32*	
		For 12 Gauge Frame, Add	*64.32*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	345.35	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.31*	
		For Type 304 Stainless Steel Frame, Add	*313.49*	
		For Type 316 Stainless Steel Frame, Add	*364.27*	
		For Baked Enamel Finish, Add	*77.19*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.93*	
		For 14 Gauge Frame, Add	*42.32*	
		For 12 Gauge Frame, Add	*64.32*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	352.65	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.79*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.63*	
		For Type 304 Stainless Steel Frame, Add	*318.51*	
		For Type 316 Stainless Steel Frame, Add	*370.09*	
		For Baked Enamel Finish, Add	*78.69*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.19*	
		For 14 Gauge Frame, Add	*42.98*	
		For 12 Gauge Frame, Add	*65.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	359.95	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.19*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.95*	
		For Type 304 Stainless Steel Frame, Add	*323.55*	
		For Type 316 Stainless Steel Frame, Add	*375.93*	
		For Baked Enamel Finish, Add	*80.18*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.46*	
		For 14 Gauge Frame, Add	*43.65*	
		For 12 Gauge Frame, Add	*66.35*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	381.21	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.39*	
		For Type 304 Stainless Steel Frame, Add	*345.59*	
		For Type 316 Stainless Steel Frame, Add	*401.57*	
		For Baked Enamel Finish, Add	*85.17*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.66*	
		For 14 Gauge Frame, Add	*46.65*	
		For 12 Gauge Frame, Add	*70.90*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	390.47	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.39*	
		For Type 304 Stainless Steel Frame, Add	*346.06*	
		For Type 316 Stainless Steel Frame, Add	*402.03*	
		For Baked Enamel Finish, Add	*86.56*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.66*	
		For 14 Gauge Frame, Add	*46.65*	
		For 12 Gauge Frame, Add	*70.90*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	406.41	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.19*	
		For Type 304 Stainless Steel Frame, Add	*358.53*	
		For Type 316 Stainless Steel Frame, Add	*416.50*	
		For Baked Enamel Finish, Add	*89.95*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.33*	
		For 14 Gauge Frame, Add	*48.32*	
		For 12 Gauge Frame, Add	*73.44*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	422.34	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.99*	
		For Type 304 Stainless Steel Frame, Add	*370.98*	
		For Type 316 Stainless Steel Frame, Add	*430.95*	
		For Baked Enamel Finish, Add	*93.34*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.99*	
		For 14 Gauge Frame, Add	*49.98*	
		For 12 Gauge Frame, Add	*75.97*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	431.61	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.99*	
		For Type 304 Stainless Steel Frame, Add	*371.44*	
		For Type 316 Stainless Steel Frame, Add	*431.42*	
		For Baked Enamel Finish, Add	*94.73*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.99*	
		For 14 Gauge Frame, Add	*49.98*	
		For 12 Gauge Frame, Add	*75.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	439.57	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.49*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.39*	
		For Type 304 Stainless Steel Frame, Add	*377.67*	
		For Type 316 Stainless Steel Frame, Add	*438.64*	
		For Baked Enamel Finish, Add	*96.42*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.33*	
		For 14 Gauge Frame, Add	*50.81*	
		For 12 Gauge Frame, Add	*77.24*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	447.54	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.79*	
		For Type 304 Stainless Steel Frame, Add	*383.91*	
		For Type 316 Stainless Steel Frame, Add	*445.89*	
		For Baked Enamel Finish, Add	*98.12*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.66*	
		For 14 Gauge Frame, Add	*51.65*	
		For 12 Gauge Frame, Add	*78.50*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	465.50	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*26.39*	
		For Type 304 Stainless Steel Frame, Add	*408.12*	
		For Type 316 Stainless Steel Frame, Add	*474.09*	
		For Baked Enamel Finish, Add	*102.81*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-21.99*	
		For 14 Gauge Frame, Add	*54.98*	
		For 12 Gauge Frame, Add	*83.57*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	483.47	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*27.99*	
		For Type 304 Stainless Steel Frame, Add	*432.34*	
		For Type 316 Stainless Steel Frame, Add	*502.32*	
		For Baked Enamel Finish, Add	*107.51*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-23.32*	
		For 14 Gauge Frame, Add	*58.31*	
		For 12 Gauge Frame, Add	*88.63*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	278.95	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*16.79*	
		For Type 304 Stainless Steel Frame, Add	*258.84*	
		For Type 316 Stainless Steel Frame, Add	*300.82*	
		For Baked Enamel Finish, Add	*62.83*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-13.99*	
		For 14 Gauge Frame, Add	*34.99*	
		For 12 Gauge Frame, Add	*53.18*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	319.52	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*24.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*19.99*	
		For Type 304 Stainless Steel Frame, Add	*307.53*	
		For Type 316 Stainless Steel Frame, Add	*357.51*	
		For Baked Enamel Finish, Add	*72.92*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.66*	
		For 14 Gauge Frame, Add	*41.65*	
		For 12 Gauge Frame, Add	*63.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	331.45	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.31*	
		For Type 304 Stainless Steel Frame, Add	*312.80*	
		For Type 316 Stainless Steel Frame, Add	*363.58*	
		For Baked Enamel Finish, Add	*75.11*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.93*	
		For 14 Gauge Frame, Add	*42.32*	
		For 12 Gauge Frame, Add	*64.32*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	345.35	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.31*	
		For Type 304 Stainless Steel Frame, Add	*313.49*	
		For Type 316 Stainless Steel Frame, Add	*364.27*	
		For Baked Enamel Finish, Add	*77.19*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-16.93*	
		For 14 Gauge Frame, Add	*42.32*	
		For 12 Gauge Frame, Add	*64.32*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	352.65	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.79*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.63*	
		For Type 304 Stainless Steel Frame, Add	*318.51*	
		For Type 316 Stainless Steel Frame, Add	*370.09*	
		For Baked Enamel Finish, Add	*78.69*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.19*	
		For 14 Gauge Frame, Add	*42.98*	
		For 12 Gauge Frame, Add	*65.33*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	359.95	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.19*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*20.95*	
		For Type 304 Stainless Steel Frame, Add	*323.55*	
		For Type 316 Stainless Steel Frame, Add	*375.93*	
		For Baked Enamel Finish, Add	*80.18*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-17.46*	
		For 14 Gauge Frame, Add	*43.65*	
		For 12 Gauge Frame, Add	*66.35*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	381.21	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.39*	
		For Type 304 Stainless Steel Frame, Add	*345.59*	
		For Type 316 Stainless Steel Frame, Add	*401.57*	
		For Baked Enamel Finish, Add	*85.17*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.66*	
		For 14 Gauge Frame, Add	*46.65*	
		For 12 Gauge Frame, Add	*70.90*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	390.47	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.39*	
		For Type 304 Stainless Steel Frame, Add	*346.06*	
		For Type 316 Stainless Steel Frame, Add	*402.03*	
		For Baked Enamel Finish, Add	*86.56*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.66*	
		For 14 Gauge Frame, Add	*46.65*	
		For 12 Gauge Frame, Add	*70.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	406.41	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.19*	
		For Type 304 Stainless Steel Frame, Add	*358.53*	
		For Type 316 Stainless Steel Frame, Add	*416.50*	
		For Baked Enamel Finish, Add	*89.95*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.33*	
		For 14 Gauge Frame, Add	*48.32*	
		For 12 Gauge Frame, Add	*73.44*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	422.34	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.99*	
		For Type 304 Stainless Steel Frame, Add	*370.98*	
		For Type 316 Stainless Steel Frame, Add	*430.95*	
		For Baked Enamel Finish, Add	*93.34*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.99*	
		For 14 Gauge Frame, Add	*49.98*	
		For 12 Gauge Frame, Add	*75.97*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	431.61	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.99*	
		For Type 304 Stainless Steel Frame, Add	*371.44*	
		For Type 316 Stainless Steel Frame, Add	*431.42*	
		For Baked Enamel Finish, Add	*94.73*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.99*	
		For 14 Gauge Frame, Add	*49.98*	
		For 12 Gauge Frame, Add	*75.97*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	439.57	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.49*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.39*	
		For Type 304 Stainless Steel Frame, Add	*377.67*	
		For Type 316 Stainless Steel Frame, Add	*438.64*	
		For Baked Enamel Finish, Add	*96.42*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.33*	
		For 14 Gauge Frame, Add	*50.81*	
		For 12 Gauge Frame, Add	*77.24*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	447.54	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.79*	
		For Type 304 Stainless Steel Frame, Add	*383.91*	
		For Type 316 Stainless Steel Frame, Add	*445.89*	
		For Baked Enamel Finish, Add	*98.12*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.66*	
		For 14 Gauge Frame, Add	*51.65*	
		For 12 Gauge Frame, Add	*78.50*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	465.50	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*26.39*	
		For Type 304 Stainless Steel Frame, Add	*408.12*	
		For Type 316 Stainless Steel Frame, Add	*474.09*	
		For Baked Enamel Finish, Add	*102.81*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-21.99*	
		For 14 Gauge Frame, Add	*54.98*	
		For 12 Gauge Frame, Add	*83.57*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	483.47	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*27.99*	
		For Type 304 Stainless Steel Frame, Add	*432.34*	
		For Type 316 Stainless Steel Frame, Add	*502.32*	
		For Baked Enamel Finish, Add	*107.51*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-23.32*	
		For 14 Gauge Frame, Add	*58.31*	
		For 12 Gauge Frame, Add	*88.63*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	294.50	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.32*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*18.66*	
		For Type 304 Stainless Steel Frame, Add	*286.83*	
		For Type 316 Stainless Steel Frame, Add	*333.48*	
		For Baked Enamel Finish, Add	*67.50*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-15.55*	
		For 14 Gauge Frame, Add	*38.87*	
		For 12 Gauge Frame, Add	*59.09*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	338.03	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.77*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.21*	
		For Type 304 Stainless Steel Frame, Add	*340.84*	
		For Type 316 Stainless Steel Frame, Add	*396.38*	
		For Baked Enamel Finish, Add	*78.47*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.51*	
		For 14 Gauge Frame, Add	*46.28*	
		For 12 Gauge Frame, Add	*70.34*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	350.25	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.57*	
		For Type 304 Stainless Steel Frame, Add	*346.64*	
		For Type 316 Stainless Steel Frame, Add	*403.06*	
		For Baked Enamel Finish, Add	*80.75*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.81*	
		For 14 Gauge Frame, Add	*47.02*	
		For 12 Gauge Frame, Add	*71.47*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	364.15	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.57*	
		For Type 304 Stainless Steel Frame, Add	*347.33*	
		For Type 316 Stainless Steel Frame, Add	*403.75*	
		For Baked Enamel Finish, Add	*82.83*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-18.81*	
		For 14 Gauge Frame, Add	*47.02*	
		For 12 Gauge Frame, Add	*71.47*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	371.76	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.66*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*22.92*	
		For Type 304 Stainless Steel Frame, Add	*352.91*	
		For Type 316 Stainless Steel Frame, Add	*410.22*	
		For Baked Enamel Finish, Add	*84.42*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.10*	
		For 14 Gauge Frame, Add	*47.76*	
		For 12 Gauge Frame, Add	*72.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	379.35	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.10*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*23.28*	
		For Type 304 Stainless Steel Frame, Add	*358.47*	
		For Type 316 Stainless Steel Frame, Add	*416.67*	
		For Baked Enamel Finish, Add	*86.00*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-19.40*	
		For 14 Gauge Frame, Add	*48.50*	
		For 12 Gauge Frame, Add	*73.72*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	401.95	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.10*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.88*	
		For Type 304 Stainless Steel Frame, Add	*382.93*	
		For Type 316 Stainless Steel Frame, Add	*445.12*	
		For Baked Enamel Finish, Add	*91.39*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.73*	
		For 14 Gauge Frame, Add	*51.83*	
		For 12 Gauge Frame, Add	*78.79*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	411.21	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.10*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*24.88*	
		For Type 304 Stainless Steel Frame, Add	*383.39*	
		For Type 316 Stainless Steel Frame, Add	*445.59*	
		For Baked Enamel Finish, Add	*92.78*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-20.73*	
		For 14 Gauge Frame, Add	*51.83*	
		For 12 Gauge Frame, Add	*78.79*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	427.88	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*25.77*	
		For Type 304 Stainless Steel Frame, Add	*397.17*	
		For Type 316 Stainless Steel Frame, Add	*461.59*	
		For Baked Enamel Finish, Add	*96.39*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-21.47*	
		For 14 Gauge Frame, Add	*53.68*	
		For 12 Gauge Frame, Add	*81.60*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.55	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.32*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*26.66*	
		For Type 304 Stainless Steel Frame, Add	*410.96*	
		For Type 316 Stainless Steel Frame, Add	*477.59*	
		For Baked Enamel Finish, Add	*100.00*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-22.21*	
		For 14 Gauge Frame, Add	*55.53*	
		For 12 Gauge Frame, Add	*84.41*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	453.82	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.32*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*26.66*	
		For Type 304 Stainless Steel Frame, Add	*411.42*	
		For Type 316 Stainless Steel Frame, Add	*478.06*	
		For Baked Enamel Finish, Add	*101.39*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-22.21*	
		For 14 Gauge Frame, Add	*55.53*	
		For 12 Gauge Frame, Add	*84.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	462.16	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.88*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*27.10*	
		For Type 304 Stainless Steel Frame, Add	*418.33*	
		For Type 316 Stainless Steel Frame, Add	*486.08*	
		For Baked Enamel Finish, Add	*103.20*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-22.58*	
		For 14 Gauge Frame, Add	*56.46*	
		For 12 Gauge Frame, Add	*85.82*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	470.49	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.43*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*27.54*	
		For Type 304 Stainless Steel Frame, Add	*425.22*	
		For Type 316 Stainless Steel Frame, Add	*494.08*	
		For Baked Enamel Finish, Add	*105.00*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-22.95*	
		For 14 Gauge Frame, Add	*57.39*	
		For 12 Gauge Frame, Add	*87.23*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	489.94	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.65*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*29.32*	
		For Type 304 Stainless Steel Frame, Add	*452.11*	
		For Type 316 Stainless Steel Frame, Add	*525.41*	
		For Baked Enamel Finish, Add	*110.14*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-24.44*	
		For 14 Gauge Frame, Add	*61.09*	
		For 12 Gauge Frame, Add	*92.85*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	509.39	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.87*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*31.10*	
		For Type 304 Stainless Steel Frame, Add	*479.00*	
		For Type 316 Stainless Steel Frame, Add	*556.75*	
		For Baked Enamel Finish, Add	*115.28*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-25.92*	
		For 14 Gauge Frame, Add	*64.79*	
		For 12 Gauge Frame, Add	*98.48*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	360.56	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.23*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*26.59*	
		For Type 304 Stainless Steel Frame, Add	*405.74*	
		For Type 316 Stainless Steel Frame, Add	*472.21*	
		For Baked Enamel Finish, Add	*87.32*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-22.16*	
		For 14 Gauge Frame, Add	*55.39*	
		For 12 Gauge Frame, Add	*84.19*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	416.67	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.56*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*31.65*	
		For Type 304 Stainless Steel Frame, Add	*482.40*	
		For Type 316 Stainless Steel Frame, Add	*561.52*	
		For Baked Enamel Finish, Add	*102.06*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-26.38*	
		For 14 Gauge Frame, Add	*65.94*	
		For 12 Gauge Frame, Add	*100.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	430.15	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.20*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*32.16*	
		For Type 304 Stainless Steel Frame, Add	*490.46*	
		For Type 316 Stainless Steel Frame, Add	*570.85*	
		For Baked Enamel Finish, Add	*104.72*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-26.80*	
		For 14 Gauge Frame, Add	*66.99*	
		For 12 Gauge Frame, Add	*101.83*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.05	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.20*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*32.16*	
		For Type 304 Stainless Steel Frame, Add	*491.15*	
		For Type 316 Stainless Steel Frame, Add	*571.54*	
		For Baked Enamel Finish, Add	*106.80*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-26.80*	
		For 14 Gauge Frame, Add	*66.99*	
		For 12 Gauge Frame, Add	*101.83*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.91	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.83*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*32.66*	
		For Type 304 Stainless Steel Frame, Add	*498.98*	
		For Type 316 Stainless Steel Frame, Add	*580.64*	
		For Baked Enamel Finish, Add	*108.77*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-27.22*	
		For 14 Gauge Frame, Add	*68.05*	
		For 12 Gauge Frame, Add	*103.43*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	461.76	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.46*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*33.17*	
		For Type 304 Stainless Steel Frame, Add	*506.81*	
		For Type 316 Stainless Steel Frame, Add	*589.73*	
		For Baked Enamel Finish, Add	*110.73*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-27.64*	
		For 14 Gauge Frame, Add	*69.10*	
		For 12 Gauge Frame, Add	*105.04*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	490.02	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.31*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.45*	
		For Type 304 Stainless Steel Frame, Add	*541.45*	
		For Type 316 Stainless Steel Frame, Add	*630.07*	
		For Baked Enamel Finish, Add	*117.81*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.54*	
		For 14 Gauge Frame, Add	*73.85*	
		For 12 Gauge Frame, Add	*112.25*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	499.28	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.31*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.45*	
		For Type 304 Stainless Steel Frame, Add	*541.91*	
		For Type 316 Stainless Steel Frame, Add	*630.53*	
		For Baked Enamel Finish, Add	*119.20*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.54*	
		For 14 Gauge Frame, Add	*73.85*	
		For 12 Gauge Frame, Add	*112.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	519.10	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.89*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.71*	
		For Type 304 Stainless Steel Frame, Add	*561.37*	
		For Type 316 Stainless Steel Frame, Add	*653.15*	
		For Baked Enamel Finish, Add	*123.76*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.60*	
		For 14 Gauge Frame, Add	*76.49*	
		For 12 Gauge Frame, Add	*116.26*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.92	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.48*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*37.98*	
		For Type 304 Stainless Steel Frame, Add	*580.82*	
		For Type 316 Stainless Steel Frame, Add	*675.77*	
		For Baked Enamel Finish, Add	*128.31*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.65*	
		For 14 Gauge Frame, Add	*79.13*	
		For 12 Gauge Frame, Add	*120.27*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	548.19	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.48*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*37.98*	
		For Type 304 Stainless Steel Frame, Add	*581.28*	
		For Type 316 Stainless Steel Frame, Add	*676.23*	
		For Baked Enamel Finish, Add	*129.70*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.65*	
		For 14 Gauge Frame, Add	*79.13*	
		For 12 Gauge Frame, Add	*120.27*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	558.09	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*48.27*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*38.61*	
		For Type 304 Stainless Steel Frame, Add	*591.00*	
		For Type 316 Stainless Steel Frame, Add	*687.53*	
		For Baked Enamel Finish, Add	*131.98*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.18*	
		For 14 Gauge Frame, Add	*80.44*	
		For 12 Gauge Frame, Add	*122.27*	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	568.00	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.06*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.25*	
		For Type 304 Stainless Steel Frame, Add	*600.74*	
		For Type 316 Stainless Steel Frame, Add	*698.85*	
		For Baked Enamel Finish, Add	*134.26*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.71*	
		For 14 Gauge Frame, Add	*81.76*	
		For 12 Gauge Frame, Add	*124.28*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.73	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.22*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*41.78*	
		For Type 304 Stainless Steel Frame, Add	*638.93*	
		For Type 316 Stainless Steel Frame, Add	*743.37*	
		For Baked Enamel Finish, Add	*141.28*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.81*	
		For 14 Gauge Frame, Add	*87.04*	
		For 12 Gauge Frame, Add	*132.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	619.48	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*44.31*	
		For Type 304 Stainless Steel Frame, Add	*677.16*	
		For Type 316 Stainless Steel Frame, Add	*787.94*	
		For Baked Enamel Finish, Add	*148.31*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.93*	
		For 14 Gauge Frame, Add	*92.31*	
		For 12 Gauge Frame, Add	*140.32*	
08 12 13 13-0084		>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*		
08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	385.17	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.92*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*29.54*	
		For Type 304 Stainless Steel Frame, Add	*450.04*	
		For Type 316 Stainless Steel Frame, Add	*523.89*	
		For Baked Enamel Finish, Add	*94.70*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-24.62*	
		For 14 Gauge Frame, Add	*61.54*	
		For 12 Gauge Frame, Add	*93.54*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	445.97	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*43.96*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.17*	
		For Type 304 Stainless Steel Frame, Add	*535.14*	
		For Type 316 Stainless Steel Frame, Add	*623.05*	
		For Baked Enamel Finish, Add	*110.85*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.31*	
		For 14 Gauge Frame, Add	*73.26*	
		For 12 Gauge Frame, Add	*111.36*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	459.92	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.66*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.73*	
		For Type 304 Stainless Steel Frame, Add	*544.04*	
		For Type 316 Stainless Steel Frame, Add	*633.36*	
		For Baked Enamel Finish, Add	*113.65*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.77*	
		For 14 Gauge Frame, Add	*74.44*	
		For 12 Gauge Frame, Add	*113.14*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	473.82	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.66*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.73*	
		For Type 304 Stainless Steel Frame, Add	*544.74*	
		For Type 316 Stainless Steel Frame, Add	*634.06*	
		For Baked Enamel Finish, Add	*115.73*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.77*	
		For 14 Gauge Frame, Add	*74.44*	
		For 12 Gauge Frame, Add	*113.14*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	483.15	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.36*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.29*	
		For Type 304 Stainless Steel Frame, Add	*553.41*	
		For Type 316 Stainless Steel Frame, Add	*644.14*	
		For Baked Enamel Finish, Add	*117.84*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.24*	
		For 14 Gauge Frame, Add	*75.61*	
		For 12 Gauge Frame, Add	*114.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	492.47	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*46.07*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.85*	
		For Type 304 Stainless Steel Frame, Add	*562.08*	
		For Type 316 Stainless Steel Frame, Add	*654.22*	
		For Baked Enamel Finish, Add	*119.94*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.71*	
		For 14 Gauge Frame, Add	*76.78*	
		For 12 Gauge Frame, Add	*116.71*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	522.84	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.23*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.39*	
		For Type 304 Stainless Steel Frame, Add	*600.53*	
		For Type 316 Stainless Steel Frame, Add	*698.99*	
		For Baked Enamel Finish, Add	*127.66*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.82*	
		For 14 Gauge Frame, Add	*82.06*	
		For 12 Gauge Frame, Add	*124.72*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	532.10	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.23*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.39*	
		For Type 304 Stainless Steel Frame, Add	*600.99*	
		For Type 316 Stainless Steel Frame, Add	*699.46*	
		For Baked Enamel Finish, Add	*129.05*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.82*	
		For 14 Gauge Frame, Add	*82.06*	
		For 12 Gauge Frame, Add	*124.72*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	553.09	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.99*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.79*	
		For Type 304 Stainless Steel Frame, Add	*622.55*	
		For Type 316 Stainless Steel Frame, Add	*724.53*	
		For Baked Enamel Finish, Add	*133.95*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.99*	
		For 14 Gauge Frame, Add	*84.99*	
		For 12 Gauge Frame, Add	*129.18*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	574.08	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.75*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.20*	
		For Type 304 Stainless Steel Frame, Add	*644.11*	
		For Type 316 Stainless Steel Frame, Add	*749.61*	
		For Baked Enamel Finish, Add	*138.86*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.17*	
		For 14 Gauge Frame, Add	*87.92*	
		For 12 Gauge Frame, Add	*133.63*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	583.35	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.75*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.20*	
		For Type 304 Stainless Steel Frame, Add	*644.57*	
		For Type 316 Stainless Steel Frame, Add	*750.07*	
		For Baked Enamel Finish, Add	*140.25*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.17*	
		For 14 Gauge Frame, Add	*87.92*	
		For 12 Gauge Frame, Add	*133.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.84	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*53.63*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.90*	
		For Type 304 Stainless Steel Frame, Add	*655.35*	
		For Type 316 Stainless Steel Frame, Add	*762.61*	
		For Baked Enamel Finish, Add	*142.70*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.75*	
		For 14 Gauge Frame, Add	*89.38*	
		For 12 Gauge Frame, Add	*135.86*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	604.34	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*54.51*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*43.61*	
		For Type 304 Stainless Steel Frame, Add	*666.15*	
		For Type 316 Stainless Steel Frame, Add	*775.17*	
		For Baked Enamel Finish, Add	*145.16*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.34*	
		For 14 Gauge Frame, Add	*90.85*	
		For 12 Gauge Frame, Add	*138.09*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	632.42	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.02*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*46.42*	
		For Type 304 Stainless Steel Frame, Add	*708.57*	
		For Type 316 Stainless Steel Frame, Add	*824.62*	
		For Baked Enamel Finish, Add	*152.89*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-38.68*	
		For 14 Gauge Frame, Add	*96.71*	
		For 12 Gauge Frame, Add	*147.00*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	660.50	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*61.54*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*49.23*	
		For Type 304 Stainless Steel Frame, Add	*751.00*	
		For Type 316 Stainless Steel Frame, Add	*874.08*	
		For Baked Enamel Finish, Add	*160.62*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-41.03*	
		For 14 Gauge Frame, Add	*102.57*	
		For 12 Gauge Frame, Add	*155.90*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	377.17	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.72*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*28.58*	
		For Type 304 Stainless Steel Frame, Add	*435.64*	
		For Type 316 Stainless Steel Frame, Add	*507.09*	
		For Baked Enamel Finish, Add	*92.30*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-23.82*	
		For 14 Gauge Frame, Add	*59.54*	
		For 12 Gauge Frame, Add	*90.50*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	436.45	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.53*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*34.02*	
		For Type 304 Stainless Steel Frame, Add	*518.00*	
		For Type 316 Stainless Steel Frame, Add	*603.06*	
		For Baked Enamel Finish, Add	*108.00*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-28.35*	
		For 14 Gauge Frame, Add	*70.88*	
		For 12 Gauge Frame, Add	*107.74*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	450.25	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*43.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*34.57*	
		For Type 304 Stainless Steel Frame, Add	*526.64*	
		For Type 316 Stainless Steel Frame, Add	*613.06*	
		For Baked Enamel Finish, Add	*110.75*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-28.81*	
		For 14 Gauge Frame, Add	*72.02*	
		For 12 Gauge Frame, Add	*109.47*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	464.15	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*43.21*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*34.57*	
		For Type 304 Stainless Steel Frame, Add	*527.33*	
		For Type 316 Stainless Steel Frame, Add	*613.75*	
		For Baked Enamel Finish, Add	*112.83*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-28.81*	
		For 14 Gauge Frame, Add	*72.02*	
		For 12 Gauge Frame, Add	*109.47*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	473.32	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*43.89*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.11*	
		For Type 304 Stainless Steel Frame, Add	*535.72*	
		For Type 316 Stainless Steel Frame, Add	*623.50*	
		For Baked Enamel Finish, Add	*114.89*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.26*	
		For 14 Gauge Frame, Add	*73.15*	
		For 12 Gauge Frame, Add	*111.19*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	482.49	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.57*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.66*	
		For Type 304 Stainless Steel Frame, Add	*544.12*	
		For Type 316 Stainless Steel Frame, Add	*633.26*	
		For Baked Enamel Finish, Add	*116.94*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.71*	
		For 14 Gauge Frame, Add	*74.29*	
		For 12 Gauge Frame, Add	*112.91*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	512.17	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.63*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*38.11*	
		For Type 304 Stainless Steel Frame, Add	*581.32*	
		For Type 316 Stainless Steel Frame, Add	*676.59*	
		For Baked Enamel Finish, Add	*124.46*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.76*	
		For 14 Gauge Frame, Add	*79.39*	
		For 12 Gauge Frame, Add	*120.67*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	521.43	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.63*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*38.11*	
		For Type 304 Stainless Steel Frame, Add	*581.78*	
		For Type 316 Stainless Steel Frame, Add	*677.05*	
		For Baked Enamel Finish, Add	*125.85*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.76*	
		For 14 Gauge Frame, Add	*79.39*	
		For 12 Gauge Frame, Add	*120.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	542.04	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.33*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.47*	
		For Type 304 Stainless Steel Frame, Add	*602.66*	
		For Type 316 Stainless Steel Frame, Add	*701.33*	
		For Baked Enamel Finish, Add	*130.64*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.89*	
		For 14 Gauge Frame, Add	*82.22*	
		For 12 Gauge Frame, Add	*124.98*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	562.65	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.03*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.83*	
		For Type 304 Stainless Steel Frame, Add	*623.54*	
		For Type 316 Stainless Steel Frame, Add	*725.60*	
		For Baked Enamel Finish, Add	*135.43*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.02*	
		For 14 Gauge Frame, Add	*85.06*	
		For 12 Gauge Frame, Add	*129.29*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	571.92	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.03*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.83*	
		For Type 304 Stainless Steel Frame, Add	*624.00*	
		For Type 316 Stainless Steel Frame, Add	*726.07*	
		For Baked Enamel Finish, Add	*136.82*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.02*	
		For 14 Gauge Frame, Add	*85.06*	
		For 12 Gauge Frame, Add	*129.29*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	582.23	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.89*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*41.51*	
		For Type 304 Stainless Steel Frame, Add	*634.45*	
		For Type 316 Stainless Steel Frame, Add	*738.23*	
		For Baked Enamel Finish, Add	*139.22*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.59*	
		For 14 Gauge Frame, Add	*86.48*	
		For 12 Gauge Frame, Add	*131.45*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	592.53	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.74*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.19*	
		For Type 304 Stainless Steel Frame, Add	*644.89*	
		For Type 316 Stainless Steel Frame, Add	*750.37*	
		For Baked Enamel Finish, Add	*141.62*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.16*	
		For 14 Gauge Frame, Add	*87.90*	
		For 12 Gauge Frame, Add	*133.60*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	619.85	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.14*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*44.91*	
		For Type 304 Stainless Steel Frame, Add	*685.95*	
		For Type 316 Stainless Steel Frame, Add	*798.23*	
		For Baked Enamel Finish, Add	*149.12*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-37.43*	
		For 14 Gauge Frame, Add	*93.57*	
		For 12 Gauge Frame, Add	*142.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	647.17	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*59.54*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*47.63*	
		For Type 304 Stainless Steel Frame, Add	*727.00*	
		For Type 316 Stainless Steel Frame, Add	*846.09*	
		For Baked Enamel Finish, Add	*156.62*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-39.69*	
		For 14 Gauge Frame, Add	*99.24*	
		For 12 Gauge Frame, Add	*150.84*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	403.64	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.69*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*31.76*	
		For Type 304 Stainless Steel Frame, Add	*483.28*	
		For Type 316 Stainless Steel Frame, Add	*562.67*	
		For Baked Enamel Finish, Add	*100.24*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-26.46*	
		For 14 Gauge Frame, Add	*66.16*	
		For 12 Gauge Frame, Add	*100.56*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	467.95	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.25*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*37.80*	
		For Type 304 Stainless Steel Frame, Add	*574.70*	
		For Type 316 Stainless Steel Frame, Add	*669.21*	
		For Baked Enamel Finish, Add	*117.45*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.50*	
		For 14 Gauge Frame, Add	*78.76*	
		For 12 Gauge Frame, Add	*119.71*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	482.25	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*48.01*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*38.41*	
		For Type 304 Stainless Steel Frame, Add	*584.24*	
		For Type 316 Stainless Steel Frame, Add	*680.26*	
		For Baked Enamel Finish, Add	*120.35*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.01*	
		For 14 Gauge Frame, Add	*80.02*	
		For 12 Gauge Frame, Add	*121.63*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	496.15	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*48.01*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*38.41*	
		For Type 304 Stainless Steel Frame, Add	*584.93*	
		For Type 316 Stainless Steel Frame, Add	*680.95*	
		For Baked Enamel Finish, Add	*122.43*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.01*	
		For 14 Gauge Frame, Add	*80.02*	
		For 12 Gauge Frame, Add	*121.63*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	505.83	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*48.77*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.01*	
		For Type 304 Stainless Steel Frame, Add	*594.23*	
		For Type 316 Stainless Steel Frame, Add	*691.77*	
		For Baked Enamel Finish, Add	*124.64*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.51*	
		For 14 Gauge Frame, Add	*81.28*	
		For 12 Gauge Frame, Add	*123.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	515.50	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.52*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.62*	
		For Type 304 Stainless Steel Frame, Add	*603.54*	
		For Type 316 Stainless Steel Frame, Add	*702.58*	
		For Baked Enamel Finish, Add	*126.85*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.02*	
		For 14 Gauge Frame, Add	*82.54*	
		For 12 Gauge Frame, Add	*125.46*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	547.46	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.93*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.34*	
		For Type 304 Stainless Steel Frame, Add	*644.84*	
		For Type 316 Stainless Steel Frame, Add	*750.70*	
		For Baked Enamel Finish, Add	*135.05*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.28*	
		For 14 Gauge Frame, Add	*88.21*	
		For 12 Gauge Frame, Add	*134.08*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	556.72	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.93*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.34*	
		For Type 304 Stainless Steel Frame, Add	*645.31*	
		For Type 316 Stainless Steel Frame, Add	*751.16*	
		For Baked Enamel Finish, Add	*136.43*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.28*	
		For 14 Gauge Frame, Add	*88.21*	
		For 12 Gauge Frame, Add	*134.08*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	578.59	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*54.82*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*43.85*	
		For Type 304 Stainless Steel Frame, Add	*668.45*	
		For Type 316 Stainless Steel Frame, Add	*778.08*	
		For Baked Enamel Finish, Add	*141.60*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.54*	
		For 14 Gauge Frame, Add	*91.36*	
		For 12 Gauge Frame, Add	*138.87*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	600.46	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.71*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*45.36*	
		For Type 304 Stainless Steel Frame, Add	*691.59*	
		For Type 316 Stainless Steel Frame, Add	*805.01*	
		For Baked Enamel Finish, Add	*146.78*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-37.80*	
		For 14 Gauge Frame, Add	*94.51*	
		For 12 Gauge Frame, Add	*143.66*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	609.73	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.71*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*45.36*	
		For Type 304 Stainless Steel Frame, Add	*692.06*	
		For Type 316 Stainless Steel Frame, Add	*805.47*	
		For Baked Enamel Finish, Add	*148.17*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-37.80*	
		For 14 Gauge Frame, Add	*94.51*	
		For 12 Gauge Frame, Add	*143.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	620.66	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*57.65*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*46.12*	
		For Type 304 Stainless Steel Frame, Add	*703.63*	
		For Type 316 Stainless Steel Frame, Add	*818.93*	
		For Baked Enamel Finish, Add	*150.75*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-38.43*	
		For 14 Gauge Frame, Add	*96.09*	
		For 12 Gauge Frame, Add	*146.05*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	631.59	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.60*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*46.88*	
		For Type 304 Stainless Steel Frame, Add	*715.20*	
		For Type 316 Stainless Steel Frame, Add	*832.39*	
		For Baked Enamel Finish, Add	*153.33*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-39.06*	
		For 14 Gauge Frame, Add	*97.66*	
		For 12 Gauge Frame, Add	*148.44*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	661.43	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.38*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*49.90*	
		For Type 304 Stainless Steel Frame, Add	*760.79*	
		For Type 316 Stainless Steel Frame, Add	*885.54*	
		For Baked Enamel Finish, Add	*161.59*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-41.58*	
		For 14 Gauge Frame, Add	*103.96*	
		For 12 Gauge Frame, Add	*158.02*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	691.27	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.16*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*52.92*	
		For Type 304 Stainless Steel Frame, Add	*806.38*	
		For Type 316 Stainless Steel Frame, Add	*938.70*	
		For Baked Enamel Finish, Add	*169.85*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-44.10*	
		For 14 Gauge Frame, Add	*110.26*	
		For 12 Gauge Frame, Add	*167.60*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	388.25	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*29.91*	
		For Type 304 Stainless Steel Frame, Add	*455.58*	
		For Type 316 Stainless Steel Frame, Add	*530.35*	
		For Baked Enamel Finish, Add	*95.62*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-24.92*	
		For 14 Gauge Frame, Add	*62.31*	
		For 12 Gauge Frame, Add	*94.71*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	449.64	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.51*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*35.61*	
		For Type 304 Stainless Steel Frame, Add	*541.74*	
		For Type 316 Stainless Steel Frame, Add	*630.76*	
		For Baked Enamel Finish, Add	*111.95*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-29.67*	
		For 14 Gauge Frame, Add	*74.18*	
		For 12 Gauge Frame, Add	*112.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	463.64	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.22*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.18*	
		For Type 304 Stainless Steel Frame, Add	*550.74*	
		For Type 316 Stainless Steel Frame, Add	*641.18*	
		For Baked Enamel Finish, Add	*114.77*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.15*	
		For 14 Gauge Frame, Add	*75.37*	
		For 12 Gauge Frame, Add	*114.55*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	477.54	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.22*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.18*	
		For Type 304 Stainless Steel Frame, Add	*551.43*	
		For Type 316 Stainless Steel Frame, Add	*641.87*	
		For Baked Enamel Finish, Add	*116.85*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.15*	
		For 14 Gauge Frame, Add	*75.37*	
		For 12 Gauge Frame, Add	*114.55*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	486.93	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.93*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*36.75*	
		For Type 304 Stainless Steel Frame, Add	*560.21*	
		For Type 316 Stainless Steel Frame, Add	*652.08*	
		For Baked Enamel Finish, Add	*118.97*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-30.62*	
		For 14 Gauge Frame, Add	*76.55*	
		For 12 Gauge Frame, Add	*116.36*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	496.31	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*46.64*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*37.32*	
		For Type 304 Stainless Steel Frame, Add	*569.00*	
		For Type 316 Stainless Steel Frame, Add	*662.28*	
		For Baked Enamel Finish, Add	*121.09*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-31.10*	
		For 14 Gauge Frame, Add	*77.74*	
		For 12 Gauge Frame, Add	*118.16*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	526.94	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.85*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.88*	
		For Type 304 Stainless Steel Frame, Add	*607.91*	
		For Type 316 Stainless Steel Frame, Add	*707.60*	
		For Baked Enamel Finish, Add	*128.89*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.23*	
		For 14 Gauge Frame, Add	*83.08*	
		For 12 Gauge Frame, Add	*126.28*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	536.20	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.85*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.88*	
		For Type 304 Stainless Steel Frame, Add	*608.37*	
		For Type 316 Stainless Steel Frame, Add	*708.07*	
		For Baked Enamel Finish, Add	*130.28*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.23*	
		For 14 Gauge Frame, Add	*83.08*	
		For 12 Gauge Frame, Add	*126.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	557.34	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.63*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*41.30*	
		For Type 304 Stainless Steel Frame, Add	*630.20*	
		For Type 316 Stainless Steel Frame, Add	*733.46*	
		For Baked Enamel Finish, Add	*135.23*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.42*	
		For 14 Gauge Frame, Add	*86.05*	
		For 12 Gauge Frame, Add	*130.79*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	578.48	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*53.41*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.73*	
		For Type 304 Stainless Steel Frame, Add	*652.03*	
		For Type 316 Stainless Steel Frame, Add	*758.85*	
		For Baked Enamel Finish, Add	*140.18*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.61*	
		For 14 Gauge Frame, Add	*89.02*	
		For 12 Gauge Frame, Add	*135.30*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	587.75	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*53.41*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*42.73*	
		For Type 304 Stainless Steel Frame, Add	*652.49*	
		For Type 316 Stainless Steel Frame, Add	*759.31*	
		For Baked Enamel Finish, Add	*141.57*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-35.61*	
		For 14 Gauge Frame, Add	*89.02*	
		For 12 Gauge Frame, Add	*135.30*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	598.31	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*54.30*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*43.44*	
		For Type 304 Stainless Steel Frame, Add	*663.40*	
		For Type 316 Stainless Steel Frame, Add	*772.00*	
		For Baked Enamel Finish, Add	*144.05*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.20*	
		For 14 Gauge Frame, Add	*90.50*	
		For 12 Gauge Frame, Add	*137.56*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	608.88	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.19*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*44.15*	
		For Type 304 Stainless Steel Frame, Add	*674.32*	
		For Type 316 Stainless Steel Frame, Add	*784.70*	
		For Baked Enamel Finish, Add	*146.52*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.79*	
		For 14 Gauge Frame, Add	*91.98*	
		For 12 Gauge Frame, Add	*139.81*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	637.25	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.75*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*47.00*	
		For Type 304 Stainless Steel Frame, Add	*717.27*	
		For Type 316 Stainless Steel Frame, Add	*834.77*	
		For Baked Enamel Finish, Add	*154.34*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-39.17*	
		For 14 Gauge Frame, Add	*97.92*	
		For 12 Gauge Frame, Add	*148.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	665.63	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.31*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*49.85*	
		For Type 304 Stainless Steel Frame, Add	*760.23*	
		For Type 316 Stainless Steel Frame, Add	*884.85*	
		For Baked Enamel Finish, Add	*162.15*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-41.54*	
		For 14 Gauge Frame, Add	*103.85*	
		For 12 Gauge Frame, Add	*157.85*	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	415.95	69.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.54*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*33.23*	
		For Type 304 Stainless Steel Frame, Add	*505.44*	
		For Type 316 Stainless Steel Frame, Add	*588.52*	
		For Baked Enamel Finish, Add	*103.93*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-27.69*	
		For 14 Gauge Frame, Add	*69.24*	
		For 12 Gauge Frame, Add	*105.24*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	482.60	76.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.45*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*39.56*	
		For Type 304 Stainless Steel Frame, Add	*601.07*	
		For Type 316 Stainless Steel Frame, Add	*699.97*	
		For Baked Enamel Finish, Add	*121.84*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-32.97*	
		For 14 Gauge Frame, Add	*82.42*	
		For 12 Gauge Frame, Add	*125.28*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	497.14	81.09
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.24*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.20*	
		For Type 304 Stainless Steel Frame, Add	*611.04*	
		For Type 316 Stainless Steel Frame, Add	*711.53*	
		For Baked Enamel Finish, Add	*124.82*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.50*	
		For 14 Gauge Frame, Add	*83.74*	
		For 12 Gauge Frame, Add	*127.28*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	511.04	88.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.24*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.20*	
		For Type 304 Stainless Steel Frame, Add	*611.73*	
		For Type 316 Stainless Steel Frame, Add	*712.22*	
		For Baked Enamel Finish, Add	*126.90*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-33.50*	
		For 14 Gauge Frame, Add	*83.74*	
		For 12 Gauge Frame, Add	*127.28*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	520.95	90.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.03*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*40.83*	
		For Type 304 Stainless Steel Frame, Add	*621.45*	
		For Type 316 Stainless Steel Frame, Add	*723.52*	
		For Baked Enamel Finish, Add	*129.18*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.02*	
		For 14 Gauge Frame, Add	*85.06*	
		For 12 Gauge Frame, Add	*129.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	530.86	92.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.83*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*41.46*	
		For Type 304 Stainless Steel Frame, Add	*631.19*	
		For Type 316 Stainless Steel Frame, Add	*734.84*	
		For Baked Enamel Finish, Add	*131.46*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-34.55*	
		For 14 Gauge Frame, Add	*86.38*	
		For 12 Gauge Frame, Add	*131.29*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	563.87	97.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*44.31*	
		For Type 304 Stainless Steel Frame, Add	*674.38*	
		For Type 316 Stainless Steel Frame, Add	*785.16*	
		For Baked Enamel Finish, Add	*139.97*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.93*	
		For 14 Gauge Frame, Add	*92.31*	
		For 12 Gauge Frame, Add	*140.32*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	573.13	101.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.39*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*44.31*	
		For Type 304 Stainless Steel Frame, Add	*674.84*	
		For Type 316 Stainless Steel Frame, Add	*785.62*	
		For Baked Enamel Finish, Add	*141.36*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-36.93*	
		For 14 Gauge Frame, Add	*92.31*	
		For 12 Gauge Frame, Add	*140.32*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	595.58	106.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*57.36*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*45.89*	
		For Type 304 Stainless Steel Frame, Add	*699.03*	
		For Type 316 Stainless Steel Frame, Add	*813.76*	
		For Baked Enamel Finish, Add	*146.70*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-38.24*	
		For 14 Gauge Frame, Add	*95.61*	
		For 12 Gauge Frame, Add	*145.32*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	618.04	111.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*59.34*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*47.47*	
		For Type 304 Stainless Steel Frame, Add	*723.24*	
		For Type 316 Stainless Steel Frame, Add	*841.92*	
		For Baked Enamel Finish, Add	*152.05*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-39.56*	
		For 14 Gauge Frame, Add	*98.91*	
		For 12 Gauge Frame, Add	*150.34*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	627.31	115.85
		For Auxiliary Frame Reinforcement For Hinges, Add	*59.34*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*47.47*	
		For Type 304 Stainless Steel Frame, Add	*723.70*	
		For Type 316 Stainless Steel Frame, Add	*842.39*	
		For Baked Enamel Finish, Add	*153.44*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-39.56*	
		For 14 Gauge Frame, Add	*98.91*	
		For 12 Gauge Frame, Add	*150.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	638.54	118.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.33*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*48.27*	
		For Type 304 Stainless Steel Frame, Add	*735.81*	
		For Type 316 Stainless Steel Frame, Add	*856.48*	
		For Baked Enamel Finish, Add	*156.11*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-40.22*	
		For 14 Gauge Frame, Add	*100.56*	
		For 12 Gauge Frame, Add	*152.84*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	649.76	120.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*61.32*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*49.06*	
		For Type 304 Stainless Steel Frame, Add	*747.91*	
		For Type 316 Stainless Steel Frame, Add	*870.55*	
		For Baked Enamel Finish, Add	*158.79*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-40.88*	
		For 14 Gauge Frame, Add	*102.20*	
		For 12 Gauge Frame, Add	*155.35*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	680.77	122.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*65.28*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*52.22*	
		For Type 304 Stainless Steel Frame, Add	*795.60*	
		For Type 316 Stainless Steel Frame, Add	*926.16*	
		For Baked Enamel Finish, Add	*167.39*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-43.52*	
		For 14 Gauge Frame, Add	*108.80*	
		For 12 Gauge Frame, Add	*165.37*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	711.79	125.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*69.23*	
		For Welded Frames, Add	*59.50*	
		For Galvanized Frames, Add	*55.39*	
		For Type 304 Stainless Steel Frame, Add	*843.32*	
		For Type 316 Stainless Steel Frame, Add	*981.79*	
		For Baked Enamel Finish, Add	*176.00*	
		For 3/4 Hour Rating, Add	*45.46*	
		For 1-1/2 Hour Rating, Add	*51.95*	
		For 3 Hour Rating, Add	*64.95*	
		For 18 Gauge Frame, Deduct	*-46.16*	
		For 14 Gauge Frame, Add	*115.39*	
		For 12 Gauge Frame, Add	*175.39*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*

08 12 13 13-0167 Fixed Steel Transoms *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	48.36	12.97
		For Movable Frame, Add	*9.67*	
		For 18 Gauge Frame, Deduct	*-2.24*	
		For 14 Gauge Frame, Add	*5.60*	
		For 12 Gauge Frame, Add	*8.52*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	50.39	13.44
		For Movable Frame, Add	*10.08*	
		For 18 Gauge Frame, Deduct	*-2.35*	
		For 14 Gauge Frame, Add	*5.88*	
		For 12 Gauge Frame, Add	*8.94*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	52.50	13.90
		For Movable Frame, Add	*10.50*	
		For 18 Gauge Frame, Deduct	*-2.47*	
		For 14 Gauge Frame, Add	*6.18*	
		For 12 Gauge Frame, Add	*9.39*	

08 12 13 13-0171 Operable Steel Transom Sash *(08 12 13 13-0166)*

Note: Includes hardware.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	63.51	12.97
		For 18 Gauge Frame, Deduct	*-3.76*	
		For 14 Gauge Frame, Add	*9.39*	
		For 12 Gauge Frame, Add	*14.27*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	66.31	13.44
		For 18 Gauge Frame, Deduct	*-3.94*	
		For 14 Gauge Frame, Add	*9.86*	
		For 12 Gauge Frame, Add	*14.99*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	69.21	13.90
		For 18 Gauge Frame, Deduct	*-4.14*	
		For 14 Gauge Frame, Add	*10.35*	
		For 12 Gauge Frame, Add	*15.74*	

08 12 13 13-0175 Sidelights, Steel Frame *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	50.04	12.97
		For 18 Gauge Frame, Deduct	*-2.41*	
		For 14 Gauge Frame, Add	*6.02*	
		For 12 Gauge Frame, Add	*9.15*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	52.16	13.44
		For 18 Gauge Frame, Deduct	*-2.53*	
		For 14 Gauge Frame, Add	*6.32*	
		For 12 Gauge Frame, Add	*9.61*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	54.35	13.90
		For 18 Gauge Frame, Deduct	*-2.66*	
		For 14 Gauge Frame, Add	*6.64*	
		For 12 Gauge Frame, Add	*10.09*	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions *(08 12 13 13-0179)*

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	29.78	5.19
		For 18 Gauge Frame, Deduct	*-1.67*	
		For 14 Gauge Frame, Add	*4.18*	
		For 12 Gauge Frame, Add	*6.35*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.45	5.19
		For 18 Gauge Frame, Deduct	*-1.74*	
		For 14 Gauge Frame, Add	*4.35*	
		For 12 Gauge Frame, Add	*6.61*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.15	5.37
		For 18 Gauge Frame, Deduct	*-1.67*	
		For 14 Gauge Frame, Add	*4.18*	
		For 12 Gauge Frame, Add	*6.35*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.19	5.37
		For 18 Gauge Frame, Deduct	*-1.78*	
		For 14 Gauge Frame, Add	*4.44*	
		For 12 Gauge Frame, Add	*6.75*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.28	5.47
		For 18 Gauge Frame, Deduct	*-1.76*	
		For 14 Gauge Frame, Add	*4.39*	
		For 12 Gauge Frame, Add	*6.67*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.68	5.47
		For 18 Gauge Frame, Deduct	*-1.80*	
		For 14 Gauge Frame, Add	*4.49*	
		For 12 Gauge Frame, Add	*6.82*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0179)*

08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	21.42	5.19
		For 18 Gauge Frame, Deduct	*-0.84*	
		For 14 Gauge Frame, Add	*2.09*	
		For 12 Gauge Frame, Add	*3.18*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.27	5.19
		For 18 Gauge Frame, Deduct	*-0.92*	
		For 14 Gauge Frame, Add	*2.30*	
		For 12 Gauge Frame, Add	*3.50*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	21.79	5.37
		For 18 Gauge Frame, Deduct	*-0.84*	
		For 14 Gauge Frame, Add	*2.09*	
		For 12 Gauge Frame, Add	*3.18*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.64	5.37
		For 18 Gauge Frame, Deduct	*-0.92*	
		For 14 Gauge Frame, Add	*2.30*	
		For 12 Gauge Frame, Add	*3.50*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.51	5.47
		For 18 Gauge Frame, Deduct	*-0.88*	
		For 14 Gauge Frame, Add	*2.20*	
		For 12 Gauge Frame, Add	*3.34*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	23.25	5.47
		For 18 Gauge Frame, Deduct	*-0.95*	
		For 14 Gauge Frame, Add	*2.38*	
		For 12 Gauge Frame, Add	*3.62*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	754.20	36.33
		For 18 Gauge Frame, Deduct	*-66.34*	
		For 14 Gauge Frame, Add	*165.85*	
		For 12 Gauge Frame, Add	*252.08*	
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	780.66	36.33
		For 18 Gauge Frame, Deduct	*-68.98*	
		For 14 Gauge Frame, Add	*172.46*	
		For 12 Gauge Frame, Add	*262.14*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	863.77	38.00
		For 18 Gauge Frame, Deduct	*-77.02*	
		For 14 Gauge Frame, Add	*192.54*	
		For 12 Gauge Frame, Add	*292.66*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	887.39	38.00
		For 18 Gauge Frame, Deduct	*-79.38*	
		For 14 Gauge Frame, Add	*198.45*	
		For 12 Gauge Frame, Add	*301.64*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,002.61	38.92
		For 18 Gauge Frame, Deduct	*-90.53*	
		For 14 Gauge Frame, Add	*226.33*	
		For 12 Gauge Frame, Add	*344.01*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,018.67	38.92
		For 18 Gauge Frame, Deduct	*-92.14*	
		For 14 Gauge Frame, Add	*230.34*	
		For 12 Gauge Frame, Add	*350.12*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0201		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	30.00	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001		Two Piece Aluminum Door Frames *(08 12 16)*		
08 12 16 00-0002		4-1/8" x 3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0001)*		
08 12 16 00-0003	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	1,561.94	50.97
08 12 16 00-0004	EA	Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	1,561.94	50.97
08 12 16 00-0005		4-3/4" x 1-3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0001)*		
08 12 16 00-0006	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	1,561.94	50.97

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0007	EA	Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	1,561.94	50.97

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	487.32	50.97
		For Type 304 Stainless Steel Door, Add	*313.39*	
		For Type 316 Stainless Steel Door, Add	*506.08*	
		For Embossed Panel, Add	*92.49*	
		For Galvanized Steel, Add	*57.81*	
		For Baked Enamel Finish, Add	*176.78*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.91*	
		For >100, Deduct	*-39.10*	
		For Insulated Door (Polystyrene Core), Add	*38.54*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*96.34*	
		For Seamless Edge (Welded), Add	*48.17*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	487.32	50.97
		For Type 304 Stainless Steel Door, Add	*313.39*	
		For Type 316 Stainless Steel Door, Add	*506.08*	
		For Embossed Panel, Add	*92.49*	
		For Galvanized Steel, Add	*57.81*	
		For Baked Enamel Finish, Add	*176.78*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.91*	
		For >100, Deduct	*-39.10*	
		For Insulated Door (Polystyrene Core), Add	*38.54*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*96.34*	
		For Seamless Edge (Welded), Add	*48.17*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	499.83	53.29
		For Type 304 Stainless Steel Door, Add	*319.94*	
		For Type 316 Stainless Steel Door, Add	*516.57*	
		For Embossed Panel, Add	*94.38*	
		For Galvanized Steel, Add	*58.99*	
		For Baked Enamel Finish, Add	*181.92*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.66*	
		For >100, Deduct	*-40.15*	
		For Insulated Door (Polystyrene Core), Add	*39.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*98.32*	
		For Seamless Edge (Welded), Add	*49.16*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	505.70	53.29
		For Type 304 Stainless Steel Door, Add	*324.63*	
		For Type 316 Stainless Steel Door, Add	*524.20*	
		For Embossed Panel, Add	*95.79*	
		For Galvanized Steel, Add	*59.87*	
		For Baked Enamel Finish, Add	*183.68*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.95*	
		For >100, Deduct	*-40.59*	
		For Insulated Door (Polystyrene Core), Add	*39.91*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*99.78*	
		For Seamless Edge (Welded), Add	*49.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	510.37	54.44
		For Type 304 Stainless Steel Door, Add	*326.62*	
		For Type 316 Stainless Steel Door, Add	*527.36*	
		For Embossed Panel, Add	*96.35*	
		For Galvanized Steel, Add	*60.22*	
		For Baked Enamel Finish, Add	*185.78*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.24*	
		For >100, Deduct	*-41.00*	
		For Insulated Door (Polystyrene Core), Add	*40.15*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*100.37*	
		For Seamless Edge (Welded), Add	*50.18*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	515.03	55.61
		For Type 304 Stainless Steel Door, Add	*328.62*	
		For Type 316 Stainless Steel Door, Add	*530.53*	
		For Embossed Panel, Add	*96.92*	
		For Galvanized Steel, Add	*60.57*	
		For Baked Enamel Finish, Add	*187.87*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.53*	
		For >100, Deduct	*-41.41*	
		For Insulated Door (Polystyrene Core), Add	*40.38*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*100.96*	
		For Seamless Edge (Welded), Add	*50.48*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	545.55	55.61
		For Type 304 Stainless Steel Door, Add	*353.03*	
		For Type 316 Stainless Steel Door, Add	*570.20*	
		For Embossed Panel, Add	*104.24*	
		For Galvanized Steel, Add	*65.15*	
		For Baked Enamel Finish, Add	*197.03*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.06*	
		For >100, Deduct	*-43.70*	
		For Insulated Door (Polystyrene Core), Add	*43.43*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*108.59*	
		For Seamless Edge (Welded), Add	*54.29*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	561.93	57.92
		For Type 304 Stainless Steel Door, Add	*362.66*	
		For Type 316 Stainless Steel Door, Add	*585.70*	
		For Embossed Panel, Add	*107.06*	
		For Galvanized Steel, Add	*66.91*	
		For Baked Enamel Finish, Add	*203.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.99*	
		For >100, Deduct	*-45.04*	
		For Insulated Door (Polystyrene Core), Add	*44.61*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*111.52*	
		For Seamless Edge (Welded), Add	*55.76*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	618.15	62.56
		For Type 304 Stainless Steel Door, Add	*400.69*	
		For Type 316 Stainless Steel Door, Add	*647.21*	
		For Embossed Panel, Add	*118.33*	
		For Galvanized Steel, Add	*73.96*	
		For Baked Enamel Finish, Add	*222.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-49.49*	
		For Insulated Door (Polystyrene Core), Add	*49.30*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*123.26*	
		For Seamless Edge (Welded), Add	*61.63*	

08 13 13 13-0012 7' High, 20 Gauge, Unrated, Hollow Metal Door *(08 13 13 13-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	497.42	50.97
		For Type 304 Stainless Steel Door, Add	*321.47*	
		For Type 316 Stainless Steel Door, Add	*519.21*	
		For Embossed Panel, Add	*94.91*	
		For Galvanized Steel, Add	*59.32*	
		For Baked Enamel Finish, Add	*179.81*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.42*	
		For >100, Deduct	*-39.86*	
		For Insulated Door (Polystyrene Core), Add	*39.55*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*98.87*	
		For Seamless Edge (Welded), Add	*49.43*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	497.42	50.97
		For Type 304 Stainless Steel Door, Add	*321.47*	
		For Type 316 Stainless Steel Door, Add	*519.21*	
		For Embossed Panel, Add	*94.91*	
		For Galvanized Steel, Add	*59.32*	
		For Baked Enamel Finish, Add	*179.81*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.42*	
		For >100, Deduct	*-39.86*	
		For Insulated Door (Polystyrene Core), Add	*39.55*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*98.87*	
		For Seamless Edge (Welded), Add	*49.43*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	510.13	53.29
		For Type 304 Stainless Steel Door, Add	*328.18*	
		For Type 316 Stainless Steel Door, Add	*529.96*	
		For Embossed Panel, Add	*96.85*	
		For Galvanized Steel, Add	*60.53*	
		For Baked Enamel Finish, Add	*185.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-40.92*	
		For Insulated Door (Polystyrene Core), Add	*40.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*100.89*	
		For Seamless Edge (Welded), Add	*50.45*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	516.15	53.29
		For Type 304 Stainless Steel Door, Add	*332.99*	
		For Type 316 Stainless Steel Door, Add	*537.78*	
		For Embossed Panel, Add	*98.30*	
		For Galvanized Steel, Add	*61.44*	
		For Baked Enamel Finish, Add	*186.82*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.47*	
		For >100, Deduct	*-41.38*	
		For Insulated Door (Polystyrene Core), Add	*40.96*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*102.40*	
		For Seamless Edge (Welded), Add	*51.20*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	520.89	54.44
		For Type 304 Stainless Steel Door, Add	*335.04*	
		For Type 316 Stainless Steel Door, Add	*541.03*	
		For Embossed Panel, Add	*98.88*	
		For Galvanized Steel, Add	*61.80*	
		For Baked Enamel Finish, Add	*188.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.77*	
		For >100, Deduct	*-41.79*	
		For Insulated Door (Polystyrene Core), Add	*41.20*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*103.00*	
		For Seamless Edge (Welded), Add	*51.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	525.61	55.61
		For Type 304 Stainless Steel Door, Add	*337.08*	
		For Type 316 Stainless Steel Door, Add	*544.28*	
		For Embossed Panel, Add	*99.46*	
		For Galvanized Steel, Add	*62.16*	
		For Baked Enamel Finish, Add	*191.05*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.06*	
		For >100, Deduct	*-42.20*	
		For Insulated Door (Polystyrene Core), Add	*41.44*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*103.60*	
		For Seamless Edge (Welded), Add	*51.80*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	556.93	55.61
		For Type 304 Stainless Steel Door, Add	*362.14*	
		For Type 316 Stainless Steel Door, Add	*585.00*	
		For Embossed Panel, Add	*106.97*	
		For Galvanized Steel, Add	*66.86*	
		For Baked Enamel Finish, Add	*200.44*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.63*	
		For >100, Deduct	*-44.55*	
		For Insulated Door (Polystyrene Core), Add	*44.57*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*111.43*	
		For Seamless Edge (Welded), Add	*55.72*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	573.62	57.92
		For Type 304 Stainless Steel Door, Add	*372.01*	
		For Type 316 Stainless Steel Door, Add	*600.89*	
		For Embossed Panel, Add	*109.86*	
		For Galvanized Steel, Add	*68.67*	
		For Baked Enamel Finish, Add	*206.84*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.58*	
		For >100, Deduct	*-45.92*	
		For Insulated Door (Polystyrene Core), Add	*45.78*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*114.44*	
		For Seamless Edge (Welded), Add	*57.22*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	631.07	62.56
		For Type 304 Stainless Steel Door, Add	*411.02*	
		For Type 316 Stainless Steel Door, Add	*664.00*	
		For Embossed Panel, Add	*121.43*	
		For Galvanized Steel, Add	*75.89*	
		For Baked Enamel Finish, Add	*226.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.68*	
		For >100, Deduct	*-50.46*	
		For Insulated Door (Polystyrene Core), Add	*50.60*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*126.49*	
		For Seamless Edge (Welded), Add	*63.25*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	507.23	50.97
		For Type 304 Stainless Steel Door, Add	*329.32*	
		For Type 316 Stainless Steel Door, Add	*531.96*	
		For Embossed Panel, Add	*97.27*	
		For Galvanized Steel, Add	*60.79*	
		For Baked Enamel Finish, Add	*182.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.91*	
		For >100, Deduct	*-40.59*	
		For Insulated Door (Polystyrene Core), Add	*40.53*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*101.32*	
		For Seamless Edge (Welded), Add	*50.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	507.23	50.97
		For Type 304 Stainless Steel Door, Add	*329.32*	
		For Type 316 Stainless Steel Door, Add	*531.96*	
		For Embossed Panel, Add	*97.27*	
		For Galvanized Steel, Add	*60.79*	
		For Baked Enamel Finish, Add	*182.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.91*	
		For >100, Deduct	*-40.59*	
		For Insulated Door (Polystyrene Core), Add	*40.53*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*101.32*	
		For Seamless Edge (Welded), Add	*50.66*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	520.14	53.29
		For Type 304 Stainless Steel Door, Add	*336.18*	
		For Type 316 Stainless Steel Door, Add	*542.97*	
		For Embossed Panel, Add	*99.26*	
		For Galvanized Steel, Add	*62.04*	
		For Baked Enamel Finish, Add	*188.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.67*	
		For >100, Deduct	*-41.67*	
		For Insulated Door (Polystyrene Core), Add	*41.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*103.39*	
		For Seamless Edge (Welded), Add	*51.70*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	526.31	53.29
		For Type 304 Stainless Steel Door, Add	*341.12*	
		For Type 316 Stainless Steel Door, Add	*550.99*	
		For Embossed Panel, Add	*100.74*	
		For Galvanized Steel, Add	*62.96*	
		For Baked Enamel Finish, Add	*189.86*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.98*	
		For >100, Deduct	*-42.14*	
		For Insulated Door (Polystyrene Core), Add	*41.97*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*104.94*	
		For Seamless Edge (Welded), Add	*52.47*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	531.10	54.44
		For Type 304 Stainless Steel Door, Add	*343.21*	
		For Type 316 Stainless Steel Door, Add	*554.31*	
		For Embossed Panel, Add	*101.33*	
		For Galvanized Steel, Add	*63.33*	
		For Baked Enamel Finish, Add	*192.00*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.28*	
		For >100, Deduct	*-42.56*	
		For Insulated Door (Polystyrene Core), Add	*42.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*105.55*	
		For Seamless Edge (Welded), Add	*52.78*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	535.89	55.61
		For Type 304 Stainless Steel Door, Add	*345.30*	
		For Type 316 Stainless Steel Door, Add	*557.64*	
		For Embossed Panel, Add	*101.92*	
		For Galvanized Steel, Add	*63.70*	
		For Baked Enamel Finish, Add	*194.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.57*	
		For >100, Deduct	*-42.97*	
		For Insulated Door (Polystyrene Core), Add	*42.47*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*106.17*	
		For Seamless Edge (Welded), Add	*53.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	567.99	55.61
		For Type 304 Stainless Steel Door, Add	*370.98*	
		For Type 316 Stainless Steel Door, Add	*599.37*	
		For Embossed Panel, Add	*109.63*	
		For Galvanized Steel, Add	*68.52*	
		For Baked Enamel Finish, Add	*203.76*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.18*	
		For >100, Deduct	*-45.38*	
		For Insulated Door (Polystyrene Core), Add	*45.68*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*114.20*	
		For Seamless Edge (Welded), Add	*57.10*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	584.97	57.92
		For Type 304 Stainless Steel Door, Add	*381.09*	
		For Type 316 Stainless Steel Door, Add	*615.65*	
		For Embossed Panel, Add	*112.59*	
		For Galvanized Steel, Add	*70.37*	
		For Baked Enamel Finish, Add	*210.25*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.14*	
		For >100, Deduct	*-46.77*	
		For Insulated Door (Polystyrene Core), Add	*46.91*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*117.28*	
		For Seamless Edge (Welded), Add	*58.64*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	643.61	62.56
		For Type 304 Stainless Steel Door, Add	*421.06*	
		For Type 316 Stainless Steel Door, Add	*680.31*	
		For Embossed Panel, Add	*124.44*	
		For Galvanized Steel, Add	*77.78*	
		For Baked Enamel Finish, Add	*230.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-35.31*	
		For >100, Deduct	*-51.40*	
		For Insulated Door (Polystyrene Core), Add	*51.85*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.63*	
		For Seamless Edge (Welded), Add	*64.81*	

08 13 13 13-0032 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	518.50	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*83.31*	
		For Type 304 Stainless Steel Door, Add	*338.34*	
		For Type 316 Stainless Steel Door, Add	*546.61*	
		For Embossed Panel, Add	*99.97*	
		For Galvanized Steel, Add	*62.48*	
		For Baked Enamel Finish, Add	*186.14*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.47*	
		For >100, Deduct	*-41.44*	
		For 2" Thick Door, Add	*32.75*	
		For Insulated Door (Polystyrene Core), Add	*41.66*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*104.14*	
		For Seamless Edge (Welded), Add	*52.07*	
		For Steel Stiffened, Add	*104.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	518.50	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*83.31*	
		For Type 304 Stainless Steel Door, Add	*338.34*	
		For Type 316 Stainless Steel Door, Add	*546.61*	
		For Embossed Panel, Add	*99.97*	
		For Galvanized Steel, Add	*62.48*	
		For Baked Enamel Finish, Add	*186.14*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.47*	
		For >100, Deduct	*-41.44*	
		For 2" Thick Door, Add	*32.75*	
		For Insulated Door (Polystyrene Core), Add	*41.66*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*104.14*	
		For Seamless Edge (Welded), Add	*52.07*	
		For Steel Stiffened, Add	*104.14*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	531.64	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*85.01*	
		For Type 304 Stainless Steel Door, Add	*345.38*	
		For Type 316 Stainless Steel Door, Add	*557.92*	
		For Embossed Panel, Add	*102.02*	
		For Galvanized Steel, Add	*63.76*	
		For Baked Enamel Finish, Add	*191.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.25*	
		For >100, Deduct	*-42.54*	
		For 2" Thick Door, Add	*33.48*	
		For Insulated Door (Polystyrene Core), Add	*42.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*106.27*	
		For Seamless Edge (Welded), Add	*53.13*	
		For Steel Stiffened, Add	*106.27*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	537.99	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*86.28*	
		For Type 304 Stainless Steel Door, Add	*350.46*	
		For Type 316 Stainless Steel Door, Add	*566.17*	
		For Embossed Panel, Add	*103.54*	
		For Galvanized Steel, Add	*64.71*	
		For Baked Enamel Finish, Add	*193.37*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.56*	
		For >100, Deduct	*-43.01*	
		For 2" Thick Door, Add	*33.94*	
		For Insulated Door (Polystyrene Core), Add	*43.14*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*107.86*	
		For Seamless Edge (Welded), Add	*53.93*	
		For Steel Stiffened, Add	*107.86*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	542.84	54.44
		For 18 Gauge, Grade II, Heavy Duty, Add	*86.79*	
		For Type 304 Stainless Steel Door, Add	*352.60*	
		For Type 316 Stainless Steel Door, Add	*569.57*	
		For Embossed Panel, Add	*104.15*	
		For Galvanized Steel, Add	*65.09*	
		For Baked Enamel Finish, Add	*195.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.86*	
		For >100, Deduct	*-43.44*	
		For 2" Thick Door, Add	*34.18*	
		For Insulated Door (Polystyrene Core), Add	*43.39*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*108.49*	
		For Seamless Edge (Welded), Add	*54.24*	
		For Steel Stiffened, Add	*108.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	547.70	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*87.30*	
		For Type 304 Stainless Steel Door, Add	*354.75*	
		For Type 316 Stainless Steel Door, Add	*573.00*	
		For Embossed Panel, Add	*104.76*	
		For Galvanized Steel, Add	*65.47*	
		For Baked Enamel Finish, Add	*197.67*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.17*	
		For >100, Deduct	*-43.86*	
		For 2" Thick Door, Add	*34.43*	
		For Insulated Door (Polystyrene Core), Add	*43.65*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*109.12*	
		For Seamless Edge (Welded), Add	*54.56*	
		For Steel Stiffened, Add	*109.12*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	580.69	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*93.90*	
		For Type 304 Stainless Steel Door, Add	*381.14*	
		For Type 316 Stainless Steel Door, Add	*615.88*	
		For Embossed Panel, Add	*112.68*	
		For Galvanized Steel, Add	*70.42*	
		For Baked Enamel Finish, Add	*207.57*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.81*	
		For >100, Deduct	*-46.33*	
		For 2" Thick Door, Add	*36.82*	
		For Insulated Door (Polystyrene Core), Add	*46.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*117.37*	
		For Seamless Edge (Welded), Add	*58.69*	
		For Steel Stiffened, Add	*117.37*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	598.02	57.92
		For 18 Gauge, Grade II, Heavy Duty, Add	*96.43*	
		For Type 304 Stainless Steel Door, Add	*391.53*	
		For Type 316 Stainless Steel Door, Add	*632.61*	
		For Embossed Panel, Add	*115.72*	
		For Galvanized Steel, Add	*72.33*	
		For Baked Enamel Finish, Add	*214.16*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.80*	
		For >100, Deduct	*-47.75*	
		For 2" Thick Door, Add	*37.85*	
		For Insulated Door (Polystyrene Core), Add	*48.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*120.54*	
		For Seamless Edge (Welded), Add	*60.27*	
		For Steel Stiffened, Add	*120.54*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	658.03	62.56
		For 18 Gauge, Grade II, Heavy Duty, Add	*106.58*	
		For Type 304 Stainless Steel Door, Add	*432.59*	
		For Type 316 Stainless Steel Door, Add	*699.05*	
		For Embossed Panel, Add	*127.90*	
		For Galvanized Steel, Add	*79.94*	
		For Baked Enamel Finish, Add	*234.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.03*	
		For >100, Deduct	*-52.48*	
		For 2" Thick Door, Add	*41.76*	
		For Insulated Door (Polystyrene Core), Add	*53.29*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*133.23*	
		For Seamless Edge (Welded), Add	*66.62*	
		For Steel Stiffened, Add	*133.23*	

08 13 13 13-0043 7' High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	528.39	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*85.29*	
		For Type 304 Stainless Steel Door, Add	*346.25*	
		For Type 316 Stainless Steel Door, Add	*559.47*	
		For Embossed Panel, Add	*102.35*	
		For Galvanized Steel, Add	*63.97*	
		For Baked Enamel Finish, Add	*189.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.97*	
		For >100, Deduct	*-42.18*	
		For 2" Thick Door, Add	*33.47*	
		For Insulated Door (Polystyrene Core), Add	*42.64*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*106.61*	
		For Seamless Edge (Welded), Add	*53.31*	
		For Steel Stiffened, Add	*106.61*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	528.39	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*85.29*	
		For Type 304 Stainless Steel Door, Add	*346.25*	
		For Type 316 Stainless Steel Door, Add	*559.47*	
		For Embossed Panel, Add	*102.35*	
		For Galvanized Steel, Add	*63.97*	
		For Baked Enamel Finish, Add	*189.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.97*	
		For >100, Deduct	*-42.18*	
		For 2" Thick Door, Add	*33.47*	
		For Insulated Door (Polystyrene Core), Add	*42.64*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*106.61*	
		For Seamless Edge (Welded), Add	*53.31*	
		For Steel Stiffened, Add	*106.61*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	541.73	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*87.03*	
		For Type 304 Stainless Steel Door, Add	*353.46*	
		For Type 316 Stainless Steel Door, Add	*571.04*	
		For Embossed Panel, Add	*104.44*	
		For Galvanized Steel, Add	*65.27*	
		For Baked Enamel Finish, Add	*194.49*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.75*	
		For >100, Deduct	*-43.29*	
		For 2" Thick Door, Add	*34.21*	
		For Insulated Door (Polystyrene Core), Add	*43.52*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*108.79*	
		For Seamless Edge (Welded), Add	*54.40*	
		For Steel Stiffened, Add	*108.79*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	548.22	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*88.33*	
		For Type 304 Stainless Steel Door, Add	*358.65*	
		For Type 316 Stainless Steel Door, Add	*579.47*	
		For Embossed Panel, Add	*106.00*	
		For Galvanized Steel, Add	*66.25*	
		For Baked Enamel Finish, Add	*196.44*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.08*	
		For >100, Deduct	*-43.78*	
		For 2" Thick Door, Add	*34.68*	
		For Insulated Door (Polystyrene Core), Add	*44.17*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*110.41*	
		For Seamless Edge (Welded), Add	*55.21*	
		For Steel Stiffened, Add	*110.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	553.15	54.44
		For 18 Gauge, Grade II, Heavy Duty, Add	*88.85*	
		For Type 304 Stainless Steel Door, Add	*360.85*	
		For Type 316 Stainless Steel Door, Add	*582.97*	
		For Embossed Panel, Add	*106.62*	
		For Galvanized Steel, Add	*66.64*	
		For Baked Enamel Finish, Add	*198.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.38*	
		For >100, Deduct	*-44.21*	
		For 2" Thick Door, Add	*34.93*	
		For Insulated Door (Polystyrene Core), Add	*44.43*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*111.06*	
		For Seamless Edge (Welded), Add	*55.53*	
		For Steel Stiffened, Add	*111.06*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	558.06	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*89.37*	
		For Type 304 Stainless Steel Door, Add	*363.04*	
		For Type 316 Stainless Steel Door, Add	*586.47*	
		For Embossed Panel, Add	*107.24*	
		For Galvanized Steel, Add	*67.03*	
		For Baked Enamel Finish, Add	*200.78*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.68*	
		For >100, Deduct	*-44.63*	
		For 2" Thick Door, Add	*35.18*	
		For Insulated Door (Polystyrene Core), Add	*44.69*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*111.71*	
		For Seamless Edge (Welded), Add	*55.86*	
		For Steel Stiffened, Add	*111.71*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	591.83	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*96.12*	
		For Type 304 Stainless Steel Door, Add	*390.06*	
		For Type 316 Stainless Steel Door, Add	*630.37*	
		For Embossed Panel, Add	*115.35*	
		For Galvanized Steel, Add	*72.09*	
		For Baked Enamel Finish, Add	*210.91*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-47.17*	
		For 2" Thick Door, Add	*37.63*	
		For Insulated Door (Polystyrene Core), Add	*48.06*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*120.16*	
		For Seamless Edge (Welded), Add	*60.08*	
		For Steel Stiffened, Add	*120.16*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	609.46	57.92
		For 18 Gauge, Grade II, Heavy Duty, Add	*98.72*	
		For Type 304 Stainless Steel Door, Add	*400.68*	
		For Type 316 Stainless Steel Door, Add	*647.49*	
		For Embossed Panel, Add	*118.47*	
		For Galvanized Steel, Add	*74.04*	
		For Baked Enamel Finish, Add	*217.59*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.37*	
		For >100, Deduct	*-48.61*	
		For 2" Thick Door, Add	*38.68*	
		For Insulated Door (Polystyrene Core), Add	*49.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*123.40*	
		For Seamless Edge (Welded), Add	*61.70*	
		For Steel Stiffened, Add	*123.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	670.68	62.56
		For 18 Gauge, Grade II, Heavy Duty, Add	*109.11*	
		For Type 304 Stainless Steel Door, Add	*442.71*	
		For Type 316 Stainless Steel Door, Add	*715.50*	
		For Embossed Panel, Add	*130.94*	
		For Galvanized Steel, Add	*81.84*	
		For Baked Enamel Finish, Add	*238.74*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.66*	
		For >100, Deduct	*-53.43*	
		For 2" Thick Door, Add	*42.68*	
		For Insulated Door (Polystyrene Core), Add	*54.56*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*136.39*	
		For Seamless Edge (Welded), Add	*68.20*	
		For Steel Stiffened, Add	*136.39*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	538.27	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*87.26*	
		For Type 304 Stainless Steel Door, Add	*354.15*	
		For Type 316 Stainless Steel Door, Add	*572.31*	
		For Embossed Panel, Add	*104.72*	
		For Galvanized Steel, Add	*65.45*	
		For Baked Enamel Finish, Add	*192.07*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-42.92*	
		For 2" Thick Door, Add	*34.18*	
		For Insulated Door (Polystyrene Core), Add	*43.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*109.08*	
		For Seamless Edge (Welded), Add	*54.54*	
		For Steel Stiffened, Add	*109.08*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	538.27	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*87.26*	
		For Type 304 Stainless Steel Door, Add	*354.15*	
		For Type 316 Stainless Steel Door, Add	*572.31*	
		For Embossed Panel, Add	*104.72*	
		For Galvanized Steel, Add	*65.45*	
		For Baked Enamel Finish, Add	*192.07*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-42.92*	
		For 2" Thick Door, Add	*34.18*	
		For Insulated Door (Polystyrene Core), Add	*43.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*109.08*	
		For Seamless Edge (Welded), Add	*54.54*	
		For Steel Stiffened, Add	*109.08*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	551.82	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*89.05*	
		For Type 304 Stainless Steel Door, Add	*361.53*	
		For Type 316 Stainless Steel Door, Add	*584.15*	
		For Embossed Panel, Add	*106.86*	
		For Galvanized Steel, Add	*66.79*	
		For Baked Enamel Finish, Add	*197.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.26*	
		For >100, Deduct	*-44.05*	
		For 2" Thick Door, Add	*34.94*	
		For Insulated Door (Polystyrene Core), Add	*44.53*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*111.31*	
		For Seamless Edge (Welded), Add	*55.66*	
		For Steel Stiffened, Add	*111.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	558.46	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*90.38*	
		For Type 304 Stainless Steel Door, Add	*366.84*	
		For Type 316 Stainless Steel Door, Add	*592.79*	
		For Embossed Panel, Add	*108.45*	
		For Galvanized Steel, Add	*67.78*	
		For Baked Enamel Finish, Add	*199.51*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.59*	
		For >100, Deduct	*-44.55*	
		For 2" Thick Door, Add	*35.43*	
		For Insulated Door (Polystyrene Core), Add	*45.19*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*112.97*	
		For Seamless Edge (Welded), Add	*56.49*	
		For Steel Stiffened, Add	*112.97*	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	568.42	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*91.44*	
		For Type 304 Stainless Steel Door, Add	*371.33*	
		For Type 316 Stainless Steel Door, Add	*599.93*	
		For Embossed Panel, Add	*109.73*	
		For Galvanized Steel, Add	*68.58*	
		For Baked Enamel Finish, Add	*203.89*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.20*	
		For >100, Deduct	*-45.41*	
		For 2" Thick Door, Add	*35.93*	
		For Insulated Door (Polystyrene Core), Add	*45.72*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*114.30*	
		For Seamless Edge (Welded), Add	*57.15*	
		For Steel Stiffened, Add	*114.30*	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	602.98	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*98.35*	
		For Type 304 Stainless Steel Door, Add	*398.98*	
		For Type 316 Stainless Steel Door, Add	*644.86*	
		For Embossed Panel, Add	*118.02*	
		For Galvanized Steel, Add	*73.77*	
		For Baked Enamel Finish, Add	*214.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.93*	
		For >100, Deduct	*-48.00*	
		For 2" Thick Door, Add	*38.43*	
		For Insulated Door (Polystyrene Core), Add	*49.18*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*122.94*	
		For Seamless Edge (Welded), Add	*61.47*	
		For Steel Stiffened, Add	*122.94*	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	620.91	57.92
		For 18 Gauge, Grade II, Heavy Duty, Add	*101.01*	
		For Type 304 Stainless Steel Door, Add	*409.84*	
		For Type 316 Stainless Steel Door, Add	*662.37*	
		For Embossed Panel, Add	*121.21*	
		For Galvanized Steel, Add	*75.76*	
		For Baked Enamel Finish, Add	*221.03*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.94*	
		For >100, Deduct	*-49.46*	
		For 2" Thick Door, Add	*39.51*	
		For Insulated Door (Polystyrene Core), Add	*50.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*126.27*	
		For Seamless Edge (Welded), Add	*63.13*	
		For Steel Stiffened, Add	*126.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	683.33	62.56
		For 18 Gauge, Grade II, Heavy Duty, Add	*111.64*	
		For Type 304 Stainless Steel Door, Add	*452.83*	
		For Type 316 Stainless Steel Door, Add	*731.94*	
		For Embossed Panel, Add	*133.97*	
		For Galvanized Steel, Add	*83.73*	
		For Baked Enamel Finish, Add	*242.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.29*	
		For >100, Deduct	*-54.38*	
		For 2" Thick Door, Add	*43.60*	
		For Insulated Door (Polystyrene Core), Add	*55.82*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*139.56*	
		For Seamless Edge (Welded), Add	*69.78*	
		For Steel Stiffened, Add	*139.56*	

08 13 13 13-0062 8' High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	619.82	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*103.57*	
		For Up To 1' Extra Height, Add	*143.29*	
		For 1' To 1'-6" Extra Height, Add	*273.38*	
		For Type 304 Stainless Steel Door, Add	*419.39*	
		For Type 316 Stainless Steel Door, Add	*678.33*	
		For Embossed Panel, Add	*124.29*	
		For Galvanized Steel, Add	*77.68*	
		For Baked Enamel Finish, Add	*216.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.54*	
		For >100, Deduct	*-49.04*	
		For 2" Thick Door, Add	*40.09*	
		For Insulated Door (Polystyrene Core), Add	*51.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.47*	
		For Seamless Edge (Welded), Add	*64.73*	
		For Steel Stiffened, Add	*129.47*	
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	619.82	50.97
		For 18 Gauge, Grade II, Heavy Duty, Add	*103.57*	
		For Up To 1' Extra Height, Add	*143.29*	
		For 1' To 1'-6" Extra Height, Add	*273.38*	
		For Type 304 Stainless Steel Door, Add	*419.39*	
		For Type 316 Stainless Steel Door, Add	*678.33*	
		For Embossed Panel, Add	*124.29*	
		For Galvanized Steel, Add	*77.68*	
		For Baked Enamel Finish, Add	*216.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.54*	
		For >100, Deduct	*-49.04*	
		For 2" Thick Door, Add	*40.09*	
		For Insulated Door (Polystyrene Core), Add	*51.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.47*	
		For Seamless Edge (Welded), Add	*64.73*	
		For Steel Stiffened, Add	*129.47*	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	635.03	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*105.69*	
		For Up To 1' Extra Height, Add	*146.22*	
		For 1' To 1'-6" Extra Height, Add	*278.97*	
		For Type 304 Stainless Steel Door, Add	*428.10*	
		For Type 316 Stainless Steel Door, Add	*692.33*	
		For Embossed Panel, Add	*126.83*	
		For Galvanized Steel, Add	*79.27*	
		For Baked Enamel Finish, Add	*222.48*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-50.29*	
		For 2" Thick Door, Add	*40.98*	
		For Insulated Door (Polystyrene Core), Add	*52.85*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*132.12*	
		For Seamless Edge (Welded), Add	*66.06*	
		For Steel Stiffened, Add	*132.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	642.92	53.29
		For 18 Gauge, Grade II, Heavy Duty, Add	*107.27*	
		For Up To 1' Extra Height, Add	*148.41*	
		For 1' To 1'-6" Extra Height, Add	*283.14*	
		For Type 304 Stainless Steel Door, Add	*434.41*	
		For Type 316 Stainless Steel Door, Add	*702.58*	
		For Embossed Panel, Add	*128.72*	
		For Galvanized Steel, Add	*80.45*	
		For Baked Enamel Finish, Add	*224.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.81*	
		For >100, Deduct	*-50.88*	
		For 2" Thick Door, Add	*41.55*	
		For Insulated Door (Polystyrene Core), Add	*53.64*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*134.09*	
		For Seamless Edge (Welded), Add	*67.04*	
		For Steel Stiffened, Add	*134.09*	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	648.40	54.44
		For 18 Gauge, Grade II, Heavy Duty, Add	*107.90*	
		For Up To 1' Extra Height, Add	*149.28*	
		For 1' To 1'-6" Extra Height, Add	*284.80*	
		For Type 304 Stainless Steel Door, Add	*437.05*	
		For Type 316 Stainless Steel Door, Add	*706.80*	
		For Embossed Panel, Add	*129.48*	
		For Galvanized Steel, Add	*80.93*	
		For Baked Enamel Finish, Add	*227.19*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-35.14*	
		For >100, Deduct	*-51.35*	
		For 2" Thick Door, Add	*41.84*	
		For Insulated Door (Polystyrene Core), Add	*53.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*134.88*	
		For Seamless Edge (Welded), Add	*67.44*	
		For Steel Stiffened, Add	*134.88*	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	653.87	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*108.53*	
		For Up To 1' Extra Height, Add	*150.15*	
		For 1' To 1'-6" Extra Height, Add	*286.47*	
		For Type 304 Stainless Steel Door, Add	*439.69*	
		For Type 316 Stainless Steel Door, Add	*711.02*	
		For Embossed Panel, Add	*130.24*	
		For Galvanized Steel, Add	*81.40*	
		For Baked Enamel Finish, Add	*229.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-35.47*	
		For >100, Deduct	*-51.82*	
		For 2" Thick Door, Add	*42.12*	
		For Insulated Door (Polystyrene Core), Add	*54.27*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*135.67*	
		For Seamless Edge (Welded), Add	*67.83*	
		For Steel Stiffened, Add	*135.67*	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	694.88	55.61
		For 18 Gauge, Grade II, Heavy Duty, Add	*116.73*	
		For Up To 1' Extra Height, Add	*161.50*	
		For 1' To 1'-6" Extra Height, Add	*308.12*	
		For Type 304 Stainless Steel Door, Add	*472.50*	
		For Type 316 Stainless Steel Door, Add	*764.33*	
		For Embossed Panel, Add	*140.08*	
		For Galvanized Steel, Add	*87.55*	
		For Baked Enamel Finish, Add	*241.83*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.52*	
		For >100, Deduct	*-54.90*	
		For 2" Thick Door, Add	*45.10*	
		For Insulated Door (Polystyrene Core), Add	*58.37*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*145.92*	
		For Seamless Edge (Welded), Add	*72.96*	
		For Steel Stiffened, Add	*145.92*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	715.30	57.92
		For 18 Gauge, Grade II, Heavy Duty, Add	*119.89*	
		For Up To 1' Extra Height, Add	*165.87*	
		For 1' To 1'-6" Extra Height, Add	*316.45*	
		For Type 304 Stainless Steel Door, Add	*485.35*	
		For Type 316 Stainless Steel Door, Add	*785.08*	
		For Embossed Panel, Add	*143.87*	
		For Galvanized Steel, Add	*89.92*	
		For Baked Enamel Finish, Add	*249.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.66*	
		For >100, Deduct	*-56.54*	
		For 2" Thick Door, Add	*46.36*	
		For Insulated Door (Polystyrene Core), Add	*59.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*149.86*	
		For Seamless Edge (Welded), Add	*74.93*	
		For Steel Stiffened, Add	*149.86*	
08 13 13 13-0071	EA	4' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	787.66	62.56
		For 18 Gauge, Grade II, Heavy Duty, Add	*132.51*	
		For Up To 1' Extra Height, Add	*183.33*	
		For 1' To 1'-6" Extra Height, Add	*349.76*	
		For Type 304 Stainless Steel Door, Add	*536.30*	
		For Type 316 Stainless Steel Door, Add	*867.57*	
		For Embossed Panel, Add	*159.01*	
		For Galvanized Steel, Add	*99.38*	
		For Baked Enamel Finish, Add	*273.83*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.51*	
		For >100, Deduct	*-62.20*	
		For 2" Thick Door, Add	*51.16*	
		For Insulated Door (Polystyrene Core), Add	*66.26*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*165.64*	
		For Seamless Edge (Welded), Add	*82.82*	
		For Steel Stiffened, Add	*165.64*	

08 13 13 13-0072 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0073 6'-8" High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0074	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	678.87	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*173.08*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*230.77*	
		For Type 304 Stainless Steel Door, Add	*466.63*	
		For Type 316 Stainless Steel Door, Add	*755.09*	
		For Embossed Panel, Add	*138.46*	
		For Galvanized Steel, Add	*86.54*	
		For Baked Enamel Finish, Add	*234.25*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.49*	
		For >100, Deduct	*-53.46*	
		For 2" Thick Door, Add	*44.38*	
		For Insulated Door (Polystyrene Core), Add	*57.69*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.23*	
		For Seamless Edge (Welded), Add	*72.12*	
		For Steel Stiffened, Add	*144.23*	
08 13 13 13-0075	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	678.87	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*173.08*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*230.77*	
		For Type 304 Stainless Steel Door, Add	*466.63*	
		For Type 316 Stainless Steel Door, Add	*755.09*	
		For Embossed Panel, Add	*138.46*	
		For Galvanized Steel, Add	*86.54*	
		For Baked Enamel Finish, Add	*234.25*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.49*	
		For >100, Deduct	*-53.46*	
		For 2" Thick Door, Add	*44.38*	
		For Insulated Door (Polystyrene Core), Add	*57.69*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.23*	
		For Seamless Edge (Welded), Add	*72.12*	
		For Steel Stiffened, Add	*144.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	695.29	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*176.62*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*235.49*	
		For Type 304 Stainless Steel Door, Add	*476.30*	
		For Type 316 Stainless Steel Door, Add	*770.66*	
		For Embossed Panel, Add	*141.29*	
		For Galvanized Steel, Add	*88.31*	
		For Baked Enamel Finish, Add	*240.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.43*	
		For >100, Deduct	*-54.81*	
		For 2" Thick Door, Add	*45.35*	
		For Insulated Door (Polystyrene Core), Add	*58.87*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.18*	
		For Seamless Edge (Welded), Add	*73.59*	
		For Steel Stiffened, Add	*147.18*	
08 13 13 13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	704.08	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*179.25*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*239.00*	
		For Type 304 Stainless Steel Door, Add	*483.34*	
		For Type 316 Stainless Steel Door, Add	*782.09*	
		For Embossed Panel, Add	*143.40*	
		For Galvanized Steel, Add	*89.63*	
		For Baked Enamel Finish, Add	*243.20*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.87*	
		For >100, Deduct	*-55.47*	
		For 2" Thick Door, Add	*45.98*	
		For Insulated Door (Polystyrene Core), Add	*59.75*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*149.38*	
		For Seamless Edge (Welded), Add	*74.69*	
		For Steel Stiffened, Add	*149.38*	
08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	709.94	54.44
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*180.31*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*240.42*	
		For Type 304 Stainless Steel Door, Add	*486.28*	
		For Type 316 Stainless Steel Door, Add	*786.80*	
		For Embossed Panel, Add	*144.25*	
		For Galvanized Steel, Add	*90.16*	
		For Baked Enamel Finish, Add	*245.65*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-55.97*	
		For 2" Thick Door, Add	*46.30*	
		For Insulated Door (Polystyrene Core), Add	*60.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*150.26*	
		For Seamless Edge (Welded), Add	*75.13*	
		For Steel Stiffened, Add	*150.26*	
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	715.75	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*181.36*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*241.82*	
		For Type 304 Stainless Steel Door, Add	*489.19*	
		For Type 316 Stainless Steel Door, Add	*791.46*	
		For Embossed Panel, Add	*145.09*	
		For Galvanized Steel, Add	*90.68*	
		For Baked Enamel Finish, Add	*248.09*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.57*	
		For >100, Deduct	*-56.46*	
		For 2" Thick Door, Add	*46.61*	
		For Insulated Door (Polystyrene Core), Add	*60.45*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.14*	
		For Seamless Edge (Welded), Add	*75.57*	
		For Steel Stiffened, Add	*151.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	761.44	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*195.07*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*260.09*	
		For Type 304 Stainless Steel Door, Add	*525.74*	
		For Type 316 Stainless Steel Door, Add	*850.86*	
		For Embossed Panel, Add	*156.06*	
		For Galvanized Steel, Add	*97.53*	
		For Baked Enamel Finish, Add	*261.80*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.85*	
		For >100, Deduct	*-59.89*	
		For 2" Thick Door, Add	*49.92*	
		For Insulated Door (Polystyrene Core), Add	*65.02*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*162.56*	
		For Seamless Edge (Welded), Add	*81.28*	
		For Steel Stiffened, Add	*162.56*	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	783.66	57.92
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*200.34*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*267.12*	
		For Type 304 Stainless Steel Door, Add	*540.04*	
		For Type 316 Stainless Steel Door, Add	*873.95*	
		For Embossed Panel, Add	*160.27*	
		For Galvanized Steel, Add	*100.17*	
		For Baked Enamel Finish, Add	*269.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.08*	
		For >100, Deduct	*-61.67*	
		For 2" Thick Door, Add	*51.31*	
		For Insulated Door (Polystyrene Core), Add	*66.78*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*166.95*	
		For Seamless Edge (Welded), Add	*83.48*	
		For Steel Stiffened, Add	*166.95*	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	863.21	62.56
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*221.43*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*295.24*	
		For Type 304 Stainless Steel Door, Add	*596.74*	
		For Type 316 Stainless Steel Door, Add	*965.79*	
		For Embossed Panel, Add	*177.14*	
		For Galvanized Steel, Add	*110.72*	
		For Baked Enamel Finish, Add	*296.50*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.29*	
		For >100, Deduct	*-67.87*	
		For 2" Thick Door, Add	*56.64*	
		For Insulated Door (Polystyrene Core), Add	*73.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*184.53*	
		For Seamless Edge (Welded), Add	*92.26*	
		For Steel Stiffened, Add	*184.53*	

08 13 13 13-0083 7' High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	692.57	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*177.19*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*236.25*	
		For Type 304 Stainless Steel Door, Add	*477.59*	
		For Type 316 Stainless Steel Door, Add	*772.90*	
		For Embossed Panel, Add	*141.75*	
		For Galvanized Steel, Add	*88.59*	
		For Baked Enamel Finish, Add	*238.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.18*	
		For >100, Deduct	*-54.49*	
		For 2" Thick Door, Add	*45.37*	
		For Insulated Door (Polystyrene Core), Add	*59.06*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.66*	
		For Seamless Edge (Welded), Add	*73.83*	
		For Steel Stiffened, Add	*147.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	692.57	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*177.19*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*236.25*	
		For Type 304 Stainless Steel Door, Add	*477.59*	
		For Type 316 Stainless Steel Door, Add	*772.90*	
		For Embossed Panel, Add	*141.75*	
		For Galvanized Steel, Add	*88.59*	
		For Baked Enamel Finish, Add	*238.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.18*	
		For >100, Deduct	*-54.49*	
		For 2" Thick Door, Add	*45.37*	
		For Insulated Door (Polystyrene Core), Add	*59.06*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.66*	
		For Seamless Edge (Welded), Add	*73.83*	
		For Steel Stiffened, Add	*147.66*	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	709.27	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*180.81*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*241.08*	
		For Type 304 Stainless Steel Door, Add	*487.49*	
		For Type 316 Stainless Steel Door, Add	*788.84*	
		For Embossed Panel, Add	*144.65*	
		For Galvanized Steel, Add	*90.41*	
		For Baked Enamel Finish, Add	*244.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.13*	
		For >100, Deduct	*-55.86*	
		For 2" Thick Door, Add	*46.36*	
		For Insulated Door (Polystyrene Core), Add	*60.27*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*150.68*	
		For Seamless Edge (Welded), Add	*75.34*	
		For Steel Stiffened, Add	*150.68*	
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	718.26	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*183.51*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*244.68*	
		For Type 304 Stainless Steel Door, Add	*494.68*	
		For Type 316 Stainless Steel Door, Add	*800.53*	
		For Embossed Panel, Add	*146.81*	
		For Galvanized Steel, Add	*91.75*	
		For Baked Enamel Finish, Add	*247.45*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.58*	
		For >100, Deduct	*-56.53*	
		For 2" Thick Door, Add	*47.01*	
		For Insulated Door (Polystyrene Core), Add	*61.17*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*152.92*	
		For Seamless Edge (Welded), Add	*76.46*	
		For Steel Stiffened, Add	*152.92*	
08 13 13 13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	724.19	54.44
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*184.59*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*246.12*	
		For Type 304 Stainless Steel Door, Add	*497.68*	
		For Type 316 Stainless Steel Door, Add	*805.32*	
		For Embossed Panel, Add	*147.67*	
		For Galvanized Steel, Add	*92.29*	
		For Baked Enamel Finish, Add	*249.93*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.93*	
		For >100, Deduct	*-57.04*	
		For 2" Thick Door, Add	*47.33*	
		For Insulated Door (Polystyrene Core), Add	*61.53*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*153.82*	
		For Seamless Edge (Welded), Add	*76.91*	
		For Steel Stiffened, Add	*153.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	730.09	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*185.66*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*247.55*	
		For Type 304 Stainless Steel Door, Add	*500.66*	
		For Type 316 Stainless Steel Door, Add	*810.10*	
		For Embossed Panel, Add	*148.53*	
		For Galvanized Steel, Add	*92.83*	
		For Baked Enamel Finish, Add	*252.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.28*	
		For >100, Deduct	*-57.54*	
		For 2" Thick Door, Add	*47.65*	
		For Insulated Door (Polystyrene Core), Add	*61.89*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*154.72*	
		For Seamless Edge (Welded), Add	*77.36*	
		For Steel Stiffened, Add	*154.72*	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	776.87	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*199.70*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*266.26*	
		For Type 304 Stainless Steel Door, Add	*538.09*	
		For Type 316 Stainless Steel Door, Add	*870.92*	
		For Embossed Panel, Add	*159.76*	
		For Galvanized Steel, Add	*99.85*	
		For Baked Enamel Finish, Add	*266.42*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.62*	
		For >100, Deduct	*-61.05*	
		For 2" Thick Door, Add	*51.04*	
		For Insulated Door (Polystyrene Core), Add	*66.57*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*166.42*	
		For Seamless Edge (Welded), Add	*83.21*	
		For Steel Stiffened, Add	*166.42*	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	799.50	57.92
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*205.10*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*273.46*	
		For Type 304 Stainless Steel Door, Add	*552.71*	
		For Type 316 Stainless Steel Door, Add	*894.54*	
		For Embossed Panel, Add	*164.08*	
		For Galvanized Steel, Add	*102.55*	
		For Baked Enamel Finish, Add	*274.61*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.87*	
		For >100, Deduct	*-62.86*	
		For 2" Thick Door, Add	*52.46*	
		For Insulated Door (Polystyrene Core), Add	*68.37*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*170.91*	
		For Seamless Edge (Welded), Add	*85.46*	
		For Steel Stiffened, Add	*170.91*	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	880.73	62.56
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*226.69*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*302.25*	
		For Type 304 Stainless Steel Door, Add	*610.75*	
		For Type 316 Stainless Steel Door, Add	*988.56*	
		For Embossed Panel, Add	*181.35*	
		For Galvanized Steel, Add	*113.34*	
		For Baked Enamel Finish, Add	*301.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-47.16*	
		For >100, Deduct	*-69.18*	
		For 2" Thick Door, Add	*57.91*	
		For Insulated Door (Polystyrene Core), Add	*75.56*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*188.91*	
		For Seamless Edge (Welded), Add	*94.45*	
		For Steel Stiffened, Add	*188.91*	

08 13 13 13-0093 7'-2" High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	706.26	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*181.29*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*241.72*	
		For Type 304 Stainless Steel Door, Add	*488.55*	
		For Type 316 Stainless Steel Door, Add	*790.70*	
		For Embossed Panel, Add	*145.03*	
		For Galvanized Steel, Add	*90.65*	
		For Baked Enamel Finish, Add	*242.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.86*	
		For >100, Deduct	*-55.52*	
		For 2" Thick Door, Add	*46.36*	
		For Insulated Door (Polystyrene Core), Add	*60.43*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.08*	
		For Seamless Edge (Welded), Add	*75.54*	
		For Steel Stiffened, Add	*151.08*	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	706.26	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*181.29*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*241.72*	
		For Type 304 Stainless Steel Door, Add	*488.55*	
		For Type 316 Stainless Steel Door, Add	*790.70*	
		For Embossed Panel, Add	*145.03*	
		For Galvanized Steel, Add	*90.65*	
		For Baked Enamel Finish, Add	*242.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.86*	
		For >100, Deduct	*-55.52*	
		For 2" Thick Door, Add	*46.36*	
		For Insulated Door (Polystyrene Core), Add	*60.43*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.08*	
		For Seamless Edge (Welded), Add	*75.54*	
		For Steel Stiffened, Add	*151.08*	
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	723.24	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*185.00*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*246.67*	
		For Type 304 Stainless Steel Door, Add	*498.66*	
		For Type 316 Stainless Steel Door, Add	*807.00*	
		For Embossed Panel, Add	*148.00*	
		For Galvanized Steel, Add	*92.50*	
		For Baked Enamel Finish, Add	*248.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.83*	
		For >100, Deduct	*-56.91*	
		For 2" Thick Door, Add	*47.37*	
		For Insulated Door (Polystyrene Core), Add	*61.67*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*154.17*	
		For Seamless Edge (Welded), Add	*77.08*	
		For Steel Stiffened, Add	*154.17*	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	732.44	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*187.76*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*250.35*	
		For Type 304 Stainless Steel Door, Add	*506.02*	
		For Type 316 Stainless Steel Door, Add	*818.96*	
		For Embossed Panel, Add	*150.21*	
		For Galvanized Steel, Add	*93.88*	
		For Baked Enamel Finish, Add	*251.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.29*	
		For >100, Deduct	*-57.60*	
		For 2" Thick Door, Add	*48.04*	
		For Insulated Door (Polystyrene Core), Add	*62.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*156.47*	
		For Seamless Edge (Welded), Add	*78.23*	
		For Steel Stiffened, Add	*156.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	738.46	54.44
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*188.87*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*251.82*	
		For Type 304 Stainless Steel Door, Add	*509.09*	
		For Type 316 Stainless Steel Door, Add	*823.87*	
		For Embossed Panel, Add	*151.09*	
		For Galvanized Steel, Add	*94.43*	
		For Baked Enamel Finish, Add	*254.21*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.65*	
		For >100, Deduct	*-58.11*	
		For 2" Thick Door, Add	*48.37*	
		For Insulated Door (Polystyrene Core), Add	*62.96*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*157.39*	
		For Seamless Edge (Welded), Add	*78.70*	
		For Steel Stiffened, Add	*157.39*	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	744.44	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*189.97*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*253.29*	
		For Type 304 Stainless Steel Door, Add	*512.14*	
		For Type 316 Stainless Steel Door, Add	*828.76*	
		For Embossed Panel, Add	*151.98*	
		For Galvanized Steel, Add	*94.98*	
		For Baked Enamel Finish, Add	*256.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.00*	
		For >100, Deduct	*-58.61*	
		For 2" Thick Door, Add	*48.69*	
		For Insulated Door (Polystyrene Core), Add	*63.32*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*158.31*	
		For Seamless Edge (Welded), Add	*79.15*	
		For Steel Stiffened, Add	*158.31*	
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	792.31	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*204.33*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*272.44*	
		For Type 304 Stainless Steel Door, Add	*550.44*	
		For Type 316 Stainless Steel Door, Add	*890.99*	
		For Embossed Panel, Add	*163.46*	
		For Galvanized Steel, Add	*102.17*	
		For Baked Enamel Finish, Add	*271.06*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.40*	
		For >100, Deduct	*-62.20*	
		For 2" Thick Door, Add	*52.16*	
		For Insulated Door (Polystyrene Core), Add	*68.11*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*170.28*	
		For Seamless Edge (Welded), Add	*85.14*	
		For Steel Stiffened, Add	*170.28*	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	815.35	57.92
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*209.85*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*279.80*	
		For Type 304 Stainless Steel Door, Add	*565.39*	
		For Type 316 Stainless Steel Door, Add	*915.14*	
		For Embossed Panel, Add	*167.88*	
		For Galvanized Steel, Add	*104.93*	
		For Baked Enamel Finish, Add	*279.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.66*	
		For >100, Deduct	*-64.05*	
		For 2" Thick Door, Add	*53.61*	
		For Insulated Door (Polystyrene Core), Add	*69.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*174.88*	
		For Seamless Edge (Welded), Add	*87.44*	
		For Steel Stiffened, Add	*174.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	898.25	62.56
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*231.94*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*309.26*	
		For Type 304 Stainless Steel Door, Add	*624.77*	
		For Type 316 Stainless Steel Door, Add	*1,011.34*	
		For Embossed Panel, Add	*185.55*	
		For Galvanized Steel, Add	*115.97*	
		For Baked Enamel Finish, Add	*307.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.04*	
		For >100, Deduct	*-70.50*	
		For 2" Thick Door, Add	*59.18*	
		For Insulated Door (Polystyrene Core), Add	*77.31*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*193.29*	
		For Seamless Edge (Welded), Add	*96.64*	
		For Steel Stiffened, Add	*193.29*	

08 13 13 13-0103 8' High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	819.20	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*215.18*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*286.90*	
		For Up To 1' Extra Height, Add	*198.46*	
		For Type 304 Stainless Steel Door, Add	*578.90*	
		For Type 316 Stainless Steel Door, Add	*937.52*	
		For Embossed Panel, Add	*172.14*	
		For Galvanized Steel, Add	*107.59*	
		For Baked Enamel Finish, Add	*276.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-63.99*	
		For 2" Thick Door, Add	*54.55*	
		For Insulated Door (Polystyrene Core), Add	*71.73*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*179.31*	
		For Seamless Edge (Welded), Add	*89.66*	
		For Steel Stiffened, Add	*179.31*	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	819.20	50.97
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*215.18*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*286.90*	
		For Up To 1' Extra Height, Add	*198.46*	
		For Type 304 Stainless Steel Door, Add	*578.90*	
		For Type 316 Stainless Steel Door, Add	*937.52*	
		For Embossed Panel, Add	*172.14*	
		For Galvanized Steel, Add	*107.59*	
		For Baked Enamel Finish, Add	*276.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-63.99*	
		For 2" Thick Door, Add	*54.55*	
		For Insulated Door (Polystyrene Core), Add	*71.73*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*179.31*	
		For Seamless Edge (Welded), Add	*89.66*	
		For Steel Stiffened, Add	*179.31*	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	838.49	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*219.58*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*292.77*	
		For Up To 1' Extra Height, Add	*202.52*	
		For Type 304 Stainless Steel Door, Add	*590.86*	
		For Type 316 Stainless Steel Door, Add	*956.82*	
		For Embossed Panel, Add	*175.66*	
		For Galvanized Steel, Add	*109.79*	
		For Baked Enamel Finish, Add	*283.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-44.59*	
		For >100, Deduct	*-65.55*	
		For 2" Thick Door, Add	*55.73*	
		For Insulated Door (Polystyrene Core), Add	*73.19*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*182.98*	
		For Seamless Edge (Welded), Add	*91.49*	
		For Steel Stiffened, Add	*182.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	849.42	53.29
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*222.86*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*297.14*	
		For Up To 1' Extra Height, Add	*205.55*	
		For Type 304 Stainless Steel Door, Add	*599.61*	
		For Type 316 Stainless Steel Door, Add	*971.03*	
		For Embossed Panel, Add	*178.28*	
		For Galvanized Steel, Add	*111.43*	
		For Baked Enamel Finish, Add	*286.80*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.14*	
		For >100, Deduct	*-66.37*	
		For 2" Thick Door, Add	*56.52*	
		For Insulated Door (Polystyrene Core), Add	*74.29*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*185.71*	
		For Seamless Edge (Welded), Add	*92.86*	
		For Steel Stiffened, Add	*185.71*	
08 13 13 13-0108	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	856.11	54.44
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*224.16*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*298.88*	
		For Up To 1' Extra Height, Add	*206.75*	
		For Type 304 Stainless Steel Door, Add	*603.21*	
		For Type 316 Stainless Steel Door, Add	*976.82*	
		For Embossed Panel, Add	*179.33*	
		For Galvanized Steel, Add	*112.08*	
		For Baked Enamel Finish, Add	*289.50*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.53*	
		For >100, Deduct	*-66.93*	
		For 2" Thick Door, Add	*56.90*	
		For Insulated Door (Polystyrene Core), Add	*74.72*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*186.80*	
		For Seamless Edge (Welded), Add	*93.40*	
		For Steel Stiffened, Add	*186.80*	
08 13 13 13-0109	EA	3' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	862.79	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*225.47*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*300.63*	
		For Up To 1' Extra Height, Add	*207.96*	
		For Type 304 Stainless Steel Door, Add	*606.82*	
		For Type 316 Stainless Steel Door, Add	*982.61*	
		For Embossed Panel, Add	*180.38*	
		For Galvanized Steel, Add	*112.74*	
		For Baked Enamel Finish, Add	*292.20*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.92*	
		For >100, Deduct	*-67.49*	
		For 2" Thick Door, Add	*57.27*	
		For Insulated Door (Polystyrene Core), Add	*75.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*187.90*	
		For Seamless Edge (Welded), Add	*93.95*	
		For Steel Stiffened, Add	*187.90*	
08 13 13 13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	919.60	55.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*242.52*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*323.36*	
		For Up To 1' Extra Height, Add	*223.68*	
		For Type 304 Stainless Steel Door, Add	*652.27*	
		For Type 316 Stainless Steel Door, Add	*1,056.47*	
		For Embossed Panel, Add	*194.01*	
		For Galvanized Steel, Add	*121.26*	
		For Baked Enamel Finish, Add	*309.24*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.76*	
		For >100, Deduct	*-71.75*	
		For 2" Thick Door, Add	*61.39*	
		For Insulated Door (Polystyrene Core), Add	*80.84*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*202.10*	
		For Seamless Edge (Welded), Add	*101.05*	
		For Steel Stiffened, Add	*202.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	946.09	57.92
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*249.07*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*332.10*	
		For Up To 1' Extra Height, Add	*229.73*	
		For 1' To 1'-6" Extra Height, Add	*438.28*	
		For Type 304 Stainless Steel Door, Add	*669.98*	
		For Type 316 Stainless Steel Door, Add	*1,085.10*	
		For Embossed Panel, Add	*199.26*	
		For Galvanized Steel, Add	*124.54*	
		For Baked Enamel Finish, Add	*318.58*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.20*	
		For >100, Deduct	*-73.85*	
		For 2" Thick Door, Add	*63.09*	
		For Insulated Door (Polystyrene Core), Add	*83.02*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*207.56*	
		For Seamless Edge (Welded), Add	*103.78*	
		For Steel Stiffened, Add	*207.56*	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	1,042.74	62.56
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*275.29*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*367.05*	
		For Up To 1' Extra Height, Add	*253.91*	
		For 1' To 1'-6" Extra Height, Add	*484.42*	
		For Type 304 Stainless Steel Door, Add	*740.36*	
		For Type 316 Stainless Steel Door, Add	*1,199.17*	
		For Embossed Panel, Add	*220.23*	
		For Galvanized Steel, Add	*137.64*	
		For Baked Enamel Finish, Add	*350.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-55.26*	
		For >100, Deduct	*-81.33*	
		For 2" Thick Door, Add	*69.66*	
		For Insulated Door (Polystyrene Core), Add	*91.76*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*229.41*	
		For Seamless Edge (Welded), Add	*114.70*	
		For Steel Stiffened, Add	*229.41*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,510.34	115.85
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,583.23	139.01
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	319.92	69.51
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	360.65	74.14
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	401.37	78.77
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	473.58	83.41

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	201.97	50.97
		For >50 To 100, Deduct	*-12.65*	
		For >100, Deduct	*-17.70*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	201.97	50.97
		For >50 To 100, Deduct	*-12.65*	
		For >100, Deduct	*-17.70*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	213.68	53.29
		For >50 To 100, Deduct	*-13.35*	
		For >100, Deduct	*-18.69*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	218.89	53.29
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-19.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	220.11	53.29
		For >50 To 100, Deduct	*-13.67*	
		For >100, Deduct	*-19.17*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	225.37	55.61
		For >50 To 100, Deduct	*-14.05*	
		For >100, Deduct	*-19.68*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	236.52	55.61
		For >50 To 100, Deduct	*-14.61*	
		For >100, Deduct	*-20.52*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	249.18	57.92
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-21.58*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	207.80	50.97
		For >50 To 100, Deduct	*-12.94*	
		For >100, Deduct	*-18.13*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	207.80	50.97
		For >50 To 100, Deduct	*-12.94*	
		For >100, Deduct	*-18.13*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	219.92	53.29
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-19.16*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	225.44	53.29
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-19.57*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	226.73	53.29
		For >50 To 100, Deduct	*-14.00*	
		For >100, Deduct	*-19.67*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	232.01	55.61
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.18*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	243.81	55.61
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-21.07*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	256.94	57.92
		For >50 To 100, Deduct	*-15.74*	
		For >100, Deduct	*-22.17*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	228.44	50.97
		For >50 To 100, Deduct	*-13.97*	
		For >100, Deduct	*-19.68*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	228.44	50.97
		For >50 To 100, Deduct	*-13.97*	
		For >100, Deduct	*-19.68*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	242.03	53.29
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-20.82*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	248.61	53.29
		For >50 To 100, Deduct	*-15.09*	
		For >100, Deduct	*-21.31*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	250.16	53.29
		For >50 To 100, Deduct	*-15.17*	
		For >100, Deduct	*-21.43*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	255.56	55.61
		For >50 To 100, Deduct	*-15.56*	
		For >100, Deduct	*-21.95*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	269.67	55.61
		For >50 To 100, Deduct	*-16.26*	
		For >100, Deduct	*-23.01*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	284.44	57.92
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-24.23*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	225.67	50.97
		For >50 To 100, Deduct	*-13.83*	
		For >100, Deduct	*-19.47*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	225.67	50.97
		For >50 To 100, Deduct	*-13.83*	
		For >100, Deduct	*-19.47*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	239.05	53.29
		For >50 To 100, Deduct	*-14.62*	
		For >100, Deduct	*-20.59*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	245.51	53.29
		For >50 To 100, Deduct	*-14.94*	
		For >100, Deduct	*-21.08*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	246.64	53.29
		For >50 To 100, Deduct	*-15.00*	
		For >100, Deduct	*-21.16*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	252.42	55.61
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.71*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	266.19	55.61
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	280.76	57.92
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-23.95*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	232.86	50.97
		For >50 To 100, Deduct	*-14.19*	
		For >100, Deduct	*-20.01*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	232.86	50.97
		For >50 To 100, Deduct	*-14.19*	
		For >100, Deduct	*-20.01*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	246.77	53.29
		For >50 To 100, Deduct	*-15.00*	
		For >100, Deduct	*-21.17*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	253.59	53.29
		For >50 To 100, Deduct	*-15.34*	
		For >100, Deduct	*-21.68*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	254.79	53.29
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.77*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	260.63	55.61
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.33*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	275.21	55.61
		For >50 To 100, Deduct	*-16.54*	
		For >100, Deduct	*-23.42*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	290.35	57.92
		For >50 To 100, Deduct	*-17.41*	
		For >100, Deduct	*-24.67*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	258.40	50.97
		For >50 To 100, Deduct	*-15.47*	
		For >100, Deduct	*-21.93*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	258.40	50.97
		For >50 To 100, Deduct	*-15.47*	
		For >100, Deduct	*-21.93*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	274.10	53.29
		For >50 To 100, Deduct	*-16.37*	
		For >100, Deduct	*-23.22*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	282.25	53.29
		For >50 To 100, Deduct	*-16.78*	
		For >100, Deduct	*-23.83*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	283.70	53.29
		For >50 To 100, Deduct	*-16.85*	
		For >100, Deduct	*-23.94*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	289.76	55.61
		For >50 To 100, Deduct	*-17.27*	
		For >100, Deduct	*-24.51*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	307.20	55.61
		For >50 To 100, Deduct	*-18.14*	
		For >100, Deduct	*-25.82*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	324.39	57.92
		For >50 To 100, Deduct	*-19.12*	
		For >100, Deduct	*-27.23*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	250.42	50.97
		For >50 To 100, Deduct	*-15.07*	
		For >100, Deduct	*-21.33*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	250.42	50.97
		For >50 To 100, Deduct	*-15.07*	
		For >100, Deduct	*-21.33*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	265.54	53.29
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.58*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	273.30	53.29
		For >50 To 100, Deduct	*-16.33*	
		For >100, Deduct	*-23.16*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	274.66	53.29
		For >50 To 100, Deduct	*-16.40*	
		For >100, Deduct	*-23.26*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	280.67	55.61
		For >50 To 100, Deduct	*-16.81*	
		For >100, Deduct	*-23.83*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	297.19	55.61
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-25.07*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	313.74	57.92
		For >50 To 100, Deduct	*-18.58*	
		For >100, Deduct	*-26.43*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	259.04	50.97
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.98*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	259.04	50.97
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	274.81	53.29
		For >50 To 100, Deduct	*-16.40*	
		For >100, Deduct	*-23.28*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	282.99	53.29
		For >50 To 100, Deduct	*-16.81*	
		For >100, Deduct	*-23.89*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	284.44	53.29
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-24.00*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	290.51	55.61
		For >50 To 100, Deduct	*-17.31*	
		For >100, Deduct	*-24.57*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	308.00	55.61
		For >50 To 100, Deduct	*-18.18*	
		For >100, Deduct	*-25.88*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	325.26	57.92
		For >50 To 100, Deduct	*-19.16*	
		For >100, Deduct	*-27.29*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	289.69	50.97
		For >50 To 100, Deduct	*-17.03*	
		For >100, Deduct	*-24.28*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	289.69	50.97
		For >50 To 100, Deduct	*-17.03*	
		For >100, Deduct	*-24.28*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	307.60	53.29
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.73*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	317.38	53.29
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-26.47*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	319.12	53.29
		For >50 To 100, Deduct	*-18.62*	
		For >100, Deduct	*-26.60*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	325.48	55.61
		For >50 To 100, Deduct	*-19.05*	
		For >100, Deduct	*-27.19*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	346.40	55.61
		For >50 To 100, Deduct	*-20.10*	
		For >100, Deduct	*-28.76*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.10	57.92
		For >50 To 100, Deduct	*-21.20*	
		For >100, Deduct	*-30.35*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	176.74	50.97
		For >50 To 100, Deduct	*-11.39*	
		For >100, Deduct	*-15.80*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	176.74	50.97
		For >50 To 100, Deduct	*-11.39*	
		For >100, Deduct	*-15.80*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	186.43	53.29
		For >50 To 100, Deduct	*-11.99*	
		For >100, Deduct	*-16.65*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	190.71	53.29
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-16.97*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	192.22	53.29
		For >50 To 100, Deduct	*-12.28*	
		For >100, Deduct	*-17.08*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	198.37	55.61
		For >50 To 100, Deduct	*-12.70*	
		For >100, Deduct	*-17.66*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	206.70	55.61
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-18.28*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	217.46	57.92
		For >50 To 100, Deduct	*-13.77*	
		For >100, Deduct	*-19.21*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.09	50.97
		For >50 To 100, Deduct	*-11.60*	
		For >100, Deduct	*-16.13*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.08	50.97
		For >50 To 100, Deduct	*-11.60*	
		For >100, Deduct	*-16.13*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	191.08	53.29
		For >50 To 100, Deduct	*-12.22*	
		For >100, Deduct	*-17.00*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	195.60	53.29
		For >50 To 100, Deduct	*-12.44*	
		For >100, Deduct	*-17.33*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	197.20	53.29
		For >50 To 100, Deduct	*-12.52*	
		For >100, Deduct	*-17.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	203.44	55.61
		For >50 To 100, Deduct	*-12.95*	
		For >100, Deduct	*-18.04*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	212.26	55.61
		For >50 To 100, Deduct	*-13.39*	
		For >100, Deduct	*-18.70*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	223.37	57.92
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-19.65*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	196.53	50.97
		For >50 To 100, Deduct	*-12.38*	
		For >100, Deduct	*-17.29*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	196.51	50.97
		For >50 To 100, Deduct	*-12.37*	
		For >100, Deduct	*-17.29*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.56	53.29
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-18.23*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	212.96	53.29
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.64*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	214.88	53.29
		For >50 To 100, Deduct	*-13.41*	
		For >100, Deduct	*-18.78*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	221.42	55.61
		For >50 To 100, Deduct	*-13.85*	
		For >100, Deduct	*-19.39*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	231.97	55.61
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.18*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	244.32	57.92
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-21.22*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	178.77	50.97
		For >50 To 100, Deduct	*-11.49*	
		For >100, Deduct	*-15.96*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	178.77	50.97
		For >50 To 100, Deduct	*-11.49*	
		For >100, Deduct	*-15.96*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	188.99	53.29
		For >50 To 100, Deduct	*-12.11*	
		For >100, Deduct	*-16.84*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	191.64	53.29
		For >50 To 100, Deduct	*-12.25*	
		For >100, Deduct	*-17.04*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	194.31	53.29
		For >50 To 100, Deduct	*-12.38*	
		For >100, Deduct	*-17.24*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	201.59	55.61
		For >50 To 100, Deduct	*-12.86*	
		For >100, Deduct	*-17.90*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	211.54	55.61
		For >50 To 100, Deduct	*-13.36*	
		For >100, Deduct	*-18.65*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	222.59	57.92
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.59*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	183.23	50.97
		For >50 To 100, Deduct	*-11.71*	
		For >100, Deduct	*-16.29*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	183.24	50.97
		For >50 To 100, Deduct	*-11.71*	
		For >100, Deduct	*-16.29*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	193.78	53.29
		For >50 To 100, Deduct	*-12.35*	
		For >100, Deduct	*-17.20*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	196.60	53.29
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-17.41*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	199.41	53.29
		For >50 To 100, Deduct	*-12.63*	
		For >100, Deduct	*-17.62*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	206.86	55.61
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-18.29*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	217.38	55.61
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-19.08*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	228.81	57.92
		For >50 To 100, Deduct	*-14.34*	
		For >100, Deduct	*-20.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	199.07	50.97
		For >50 To 100, Deduct	*-12.50*	
		For >100, Deduct	*-17.48*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	199.10	50.97
		For >50 To 100, Deduct	*-12.50*	
		For >100, Deduct	*-17.48*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	210.79	53.29
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-18.47*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	214.16	53.29
		For >50 To 100, Deduct	*-13.37*	
		For >100, Deduct	*-18.73*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	217.53	53.29
		For >50 To 100, Deduct	*-13.54*	
		For >100, Deduct	*-18.98*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	225.52	55.61
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-19.69*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	238.09	55.61
		For >50 To 100, Deduct	*-14.68*	
		For >100, Deduct	*-20.64*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	250.84	57.92
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-21.71*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	226.97	50.97
		For >50 To 100, Deduct	*-13.90*	
		For >100, Deduct	*-19.57*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	226.97	50.97
		For >50 To 100, Deduct	*-13.90*	
		For >100, Deduct	*-19.57*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	236.30	53.29
		For >50 To 100, Deduct	*-14.48*	
		For >100, Deduct	*-20.39*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	238.06	53.29
		For >50 To 100, Deduct	*-14.57*	
		For >100, Deduct	*-20.52*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	241.91	53.29
		For >50 To 100, Deduct	*-14.76*	
		For >100, Deduct	*-20.81*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	250.39	55.61
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.56*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.80	55.61
		For >50 To 100, Deduct	*-16.32*	
		For >100, Deduct	*-23.09*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	316.86	57.92
		For >50 To 100, Deduct	*-18.74*	
		For >100, Deduct	*-26.66*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	326.91	57.92
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-27.41*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.01	57.92
		For >50 To 100, Deduct	*-20.25*	
		For >100, Deduct	*-28.92*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	234.25	50.97
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-20.12*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	234.25	50.97
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-20.12*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	243.85	53.29
		For >50 To 100, Deduct	*-14.86*	
		For >100, Deduct	*-20.95*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	245.72	53.29
		For >50 To 100, Deduct	*-14.95*	
		For >100, Deduct	*-21.09*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	249.79	53.29
		For >50 To 100, Deduct	*-15.15*	
		For >100, Deduct	*-21.40*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	258.49	55.61
		For >50 To 100, Deduct	*-15.70*	
		For >100, Deduct	*-22.17*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	280.09	55.61
		For >50 To 100, Deduct	*-16.78*	
		For >100, Deduct	*-23.79*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.57	57.92
		For >50 To 100, Deduct	*-19.32*	
		For >100, Deduct	*-27.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0147 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	339.19	57.92
For >50 To 100, Deduct	*-19.86*	
For >100, Deduct	*-28.34*	
08 14 16 00-0148 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	360.47	57.92
For >50 To 100, Deduct	*-20.92*	
For >100, Deduct	*-29.93*	
08 14 16 00-0149 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.05	50.97
For >50 To 100, Deduct	*-15.55*	
For >100, Deduct	*-22.05*	
08 14 16 00-0150 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.05	50.97
For >50 To 100, Deduct	*-15.55*	
For >100, Deduct	*-22.05*	
08 14 16 00-0151 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.63	53.29
For >50 To 100, Deduct	*-16.20*	
For >100, Deduct	*-22.96*	
08 14 16 00-0152 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	272.84	53.29
For >50 To 100, Deduct	*-16.31*	
For >100, Deduct	*-23.13*	
08 14 16 00-0153 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	277.72	53.29
For >50 To 100, Deduct	*-16.55*	
For >100, Deduct	*-23.49*	
08 14 16 00-0154 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.20	55.61
For >50 To 100, Deduct	*-17.14*	
For >100, Deduct	*-24.32*	
08 14 16 00-0155 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	313.03	55.61
For >50 To 100, Deduct	*-18.43*	
For >100, Deduct	*-26.26*	
08 14 16 00-0156 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	370.04	57.92
For >50 To 100, Deduct	*-21.40*	
For >100, Deduct	*-30.65*	
08 14 16 00-0157 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	382.74	57.92
For >50 To 100, Deduct	*-22.03*	
For >100, Deduct	*-31.60*	
08 14 16 00-0158 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	408.17	57.92
For >50 To 100, Deduct	*-23.30*	
For >100, Deduct	*-33.51*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	266.46	50.97
For >50 To 100, Deduct	*-15.87*	
For >100, Deduct	*-22.53*	
08 14 16 00-0161 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	266.46	50.97
For >50 To 100, Deduct	*-15.87*	
For >100, Deduct	*-22.53*	
08 14 16 00-0162 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	277.27	53.29
For >50 To 100, Deduct	*-16.53*	
For >100, Deduct	*-23.46*	
08 14 16 00-0163 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	279.58	53.29
For >50 To 100, Deduct	*-16.64*	
For >100, Deduct	*-23.63*	
08 14 16 00-0164 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	284.65	53.29
For >50 To 100, Deduct	*-16.90*	
For >100, Deduct	*-24.01*	
08 14 16 00-0165 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	294.33	55.61
For >50 To 100, Deduct	*-17.50*	
For >100, Deduct	*-24.86*	
08 14 16 00-0166 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	321.20	55.61
For >50 To 100, Deduct	*-18.84*	
For >100, Deduct	*-26.87*	
08 14 16 00-0167 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	380.34	57.92
For >50 To 100, Deduct	*-21.91*	
For >100, Deduct	*-31.42*	
08 14 16 00-0168 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	393.58	57.92
For >50 To 100, Deduct	*-22.58*	
For >100, Deduct	*-32.41*	
08 14 16 00-0169 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.04	57.92
For >50 To 100, Deduct	*-23.90*	
For >100, Deduct	*-34.40*	
08 14 16 00-0170 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	276.03	50.97
For >50 To 100, Deduct	*-16.35*	
For >100, Deduct	*-23.25*	
08 14 16 00-0171 EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	276.04	50.97
For >50 To 100, Deduct	*-16.35*	
For >100, Deduct	*-23.25*	
08 14 16 00-0172 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	287.20	53.29
For >50 To 100, Deduct	*-17.02*	
For >100, Deduct	*-24.20*	
08 14 16 00-0173 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	289.65	53.29
For >50 To 100, Deduct	*-17.15*	
For >100, Deduct	*-24.39*	
08 14 16 00-0174 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	295.01	53.29
For >50 To 100, Deduct	*-17.41*	
For >100, Deduct	*-24.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	304.99	55.61
		For >50 To 100, Deduct	*-18.03*	
		For >100, Deduct	*-25.65*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	333.42	55.61
		For >50 To 100, Deduct	*-19.45*	
		For >100, Deduct	*-27.79*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	395.74	57.92
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-32.58*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	409.75	57.92
		For >50 To 100, Deduct	*-23.38*	
		For >100, Deduct	*-33.63*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	437.74	57.92
		For >50 To 100, Deduct	*-24.78*	
		For >100, Deduct	*-35.73*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	309.97	50.97
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-25.80*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	309.99	50.97
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-25.80*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	322.43	53.29
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.85*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	325.34	53.29
		For >50 To 100, Deduct	*-18.93*	
		For >100, Deduct	*-27.06*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	331.75	53.29
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-27.55*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	342.78	55.61
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-28.49*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	376.76	55.61
		For >50 To 100, Deduct	*-21.62*	
		For >100, Deduct	*-31.04*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	450.32	57.92
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-36.67*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	467.07	57.92
		For >50 To 100, Deduct	*-26.25*	
		For >100, Deduct	*-37.93*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	500.52	57.92
		For >50 To 100, Deduct	*-27.92*	
		For >100, Deduct	*-40.44*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	299.36	50.97
		For >50 To 100, Deduct	*-17.52*	
		For >100, Deduct	*-25.00*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	299.36	50.97
		For >50 To 100, Deduct	*-17.52*	
		For >100, Deduct	*-25.00*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	311.41	53.29
		For >50 To 100, Deduct	*-18.23*	
		For >100, Deduct	*-26.02*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	314.30	53.29
		For >50 To 100, Deduct	*-18.38*	
		For >100, Deduct	*-26.24*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	320.32	53.29
		For >50 To 100, Deduct	*-18.68*	
		For >100, Deduct	*-26.69*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	330.96	55.61
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-27.60*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	363.19	55.61
		For >50 To 100, Deduct	*-20.94*	
		For >100, Deduct	*-30.02*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.46	57.92
		For >50 To 100, Deduct	*-23.77*	
		For >100, Deduct	*-34.21*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	449.12	57.92
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-36.58*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	480.88	57.92
		For >50 To 100, Deduct	*-26.94*	
		For >100, Deduct	*-38.96*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	310.86	50.97
		For >50 To 100, Deduct	*-18.09*	
		For >100, Deduct	*-25.86*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	310.86	50.97
		For >50 To 100, Deduct	*-18.09*	
		For >100, Deduct	*-25.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	323.32	53.29
		For >50 To 100, Deduct	*-18.83*	
		For >100, Deduct	*-26.91*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	326.40	53.29
		For >50 To 100, Deduct	*-18.98*	
		For >100, Deduct	*-27.14*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	332.75	53.29
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-27.62*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	343.73	55.61
		For >50 To 100, Deduct	*-19.97*	
		For >100, Deduct	*-28.56*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	377.85	55.61
		For >50 To 100, Deduct	*-21.67*	
		For >100, Deduct	*-31.12*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	434.93	57.92
		For >50 To 100, Deduct	*-24.64*	
		For >100, Deduct	*-35.52*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	468.53	57.92
		For >50 To 100, Deduct	*-26.32*	
		For >100, Deduct	*-38.04*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	502.11	57.92
		For >50 To 100, Deduct	*-28.00*	
		For >100, Deduct	*-40.55*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	351.60	50.97
		For >50 To 100, Deduct	*-20.13*	
		For >100, Deduct	*-28.92*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	351.60	50.97
		For >50 To 100, Deduct	*-20.13*	
		For >100, Deduct	*-28.92*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.58	53.29
		For >50 To 100, Deduct	*-20.94*	
		For >100, Deduct	*-30.08*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.26	53.29
		For >50 To 100, Deduct	*-21.13*	
		For >100, Deduct	*-30.36*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.83	53.29
		For >50 To 100, Deduct	*-21.51*	
		For >100, Deduct	*-30.93*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	389.08	55.61
		For >50 To 100, Deduct	*-22.23*	
		For >100, Deduct	*-31.96*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.84	55.61
		For >50 To 100, Deduct	*-24.27*	
		For >100, Deduct	*-35.02*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	497.17	57.92
		For >50 To 100, Deduct	*-27.75*	
		For >100, Deduct	*-40.18*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	537.31	57.92
		For >50 To 100, Deduct	*-29.76*	
		For >100, Deduct	*-43.19*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	577.47	57.92
		For >50 To 100, Deduct	*-31.77*	
		For >100, Deduct	*-46.21*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	324.82	50.97
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.91*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	324.82	50.97
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.91*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	330.99	53.29
		For >50 To 100, Deduct	*-19.21*	
		For >100, Deduct	*-27.49*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	340.87	53.29
		For >50 To 100, Deduct	*-19.71*	
		For >100, Deduct	*-28.23*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	342.38	53.29
		For >50 To 100, Deduct	*-19.78*	
		For >100, Deduct	*-28.34*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	348.53	55.61
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-28.92*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	375.02	55.61
		For >50 To 100, Deduct	*-21.53*	
		For >100, Deduct	*-30.91*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	448.04	57.92
		For >50 To 100, Deduct	*-25.30*	
		For >100, Deduct	*-36.50*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	464.65	57.92
		For >50 To 100, Deduct	*-26.13*	
		For >100, Deduct	*-37.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	497.90	57.92
		For >50 To 100, Deduct	*-27.79*	
		For >100, Deduct	*-40.24*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	337.78	50.97
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-27.88*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	337.78	50.97
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-27.88*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	344.06	53.29
		For >50 To 100, Deduct	*-19.87*	
		For >100, Deduct	*-28.47*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	354.50	53.29
		For >50 To 100, Deduct	*-20.39*	
		For >100, Deduct	*-29.25*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	356.11	53.29
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-29.37*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	362.34	55.61
		For >50 To 100, Deduct	*-20.90*	
		For >100, Deduct	*-29.96*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	390.36	55.61
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-32.06*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	467.38	57.92
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-37.95*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	484.95	57.92
		For >50 To 100, Deduct	*-27.14*	
		For >100, Deduct	*-39.27*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	520.13	57.92
		For >50 To 100, Deduct	*-28.90*	
		For >100, Deduct	*-41.91*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	383.77	50.97
		For >50 To 100, Deduct	*-21.74*	
		For >100, Deduct	*-31.33*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	383.77	50.97
		For >50 To 100, Deduct	*-21.74*	
		For >100, Deduct	*-31.33*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	390.38	53.29
		For >50 To 100, Deduct	*-22.18*	
		For >100, Deduct	*-31.94*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	402.84	53.29
		For >50 To 100, Deduct	*-22.81*	
		For >100, Deduct	*-32.88*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	404.77	53.29
		For >50 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-33.02*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	411.31	55.61
		For >50 To 100, Deduct	*-23.35*	
		For >100, Deduct	*-33.63*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	444.81	55.61
		For >50 To 100, Deduct	*-25.02*	
		For >100, Deduct	*-36.14*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	535.92	57.92
		For >50 To 100, Deduct	*-29.69*	
		For >100, Deduct	*-43.09*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	556.93	57.92
		For >50 To 100, Deduct	*-30.74*	
		For >100, Deduct	*-44.67*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	598.95	57.92
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-47.82*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	196.97	50.97
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-17.32*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	196.97	50.97
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-17.32*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	208.12	53.29
		For >50 To 100, Deduct	*-13.07*	
		For >100, Deduct	*-18.27*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	213.43	53.29
		For >50 To 100, Deduct	*-13.34*	
		For >100, Deduct	*-18.67*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	214.49	53.29
		For >50 To 100, Deduct	*-13.39*	
		For >100, Deduct	*-18.75*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	220.18	55.61
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	232.16	55.61
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-20.19*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	252.24	57.92
		For >50 To 100, Deduct	*-15.51*	
		For >100, Deduct	*-21.81*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.05	57.92
		For >50 To 100, Deduct	*-15.85*	
		For >100, Deduct	*-22.33*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.69	57.92
		For >50 To 100, Deduct	*-16.53*	
		For >100, Deduct	*-23.35*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	202.49	50.97
		For >50 To 100, Deduct	*-12.67*	
		For >100, Deduct	*-17.74*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	202.49	50.97
		For >50 To 100, Deduct	*-12.67*	
		For >100, Deduct	*-17.74*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	214.03	53.29
		For >50 To 100, Deduct	*-13.37*	
		For >100, Deduct	*-18.72*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	219.66	53.29
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-19.14*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	220.77	53.29
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.22*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	226.52	55.61
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-19.77*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	239.20	55.61
		For >50 To 100, Deduct	*-14.74*	
		For >100, Deduct	*-20.72*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.17	57.92
		For >50 To 100, Deduct	*-15.90*	
		For >100, Deduct	*-22.41*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	267.38	57.92
		For >50 To 100, Deduct	*-16.27*	
		For >100, Deduct	*-22.95*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.81	57.92
		For >50 To 100, Deduct	*-16.99*	
		For >100, Deduct	*-24.03*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	222.09	50.97
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-19.21*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	222.09	50.97
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-19.21*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.98	53.29
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-20.29*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.70	53.29
		For >50 To 100, Deduct	*-14.75*	
		For >100, Deduct	*-20.79*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	243.04	53.29
		For >50 To 100, Deduct	*-14.82*	
		For >100, Deduct	*-20.89*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	249.01	55.61
		For >50 To 100, Deduct	*-15.23*	
		For >100, Deduct	*-21.46*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.17	55.61
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.59*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	288.30	57.92
		For >50 To 100, Deduct	*-17.31*	
		For >100, Deduct	*-24.52*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	296.93	57.92
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-25.17*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	314.17	57.92
		For >50 To 100, Deduct	*-18.60*	
		For >100, Deduct	*-26.46*	

08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	197.65	50.97
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-17.37*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	197.67	50.97
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-17.37*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	204.94	53.29
		For >50 To 100, Deduct	*-12.91*	
		For >100, Deduct	*-18.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	210.27	53.29
		For >50 To 100, Deduct	*-13.18*	
		For >100, Deduct	*-18.43*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	212.94	53.29
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.63*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	220.20	55.61
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.30*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.28	55.61
		For >50 To 100, Deduct	*-14.09*	
		For >100, Deduct	*-19.75*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	250.69	57.92
		For >50 To 100, Deduct	*-15.43*	
		For >100, Deduct	*-21.70*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	257.43	57.92
		For >50 To 100, Deduct	*-15.77*	
		For >100, Deduct	*-22.20*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.93	57.92
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-23.22*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	203.23	50.97
		For >50 To 100, Deduct	*-12.71*	
		For >100, Deduct	*-17.79*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	203.23	50.97
		For >50 To 100, Deduct	*-12.71*	
		For >100, Deduct	*-17.79*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	210.65	53.29
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-18.46*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	216.30	53.29
		For >50 To 100, Deduct	*-13.48*	
		For >100, Deduct	*-18.89*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	219.12	53.29
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.10*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.55	55.61
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-19.77*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	232.99	55.61
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-20.25*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	258.55	57.92
		For >50 To 100, Deduct	*-15.82*	
		For >100, Deduct	*-22.29*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	265.68	57.92
		For >50 To 100, Deduct	*-16.18*	
		For >100, Deduct	*-22.82*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.95	57.92
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-23.89*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	222.98	50.97
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.27*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	222.98	50.97
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.27*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	230.95	53.29
		For >50 To 100, Deduct	*-14.21*	
		For >100, Deduct	*-19.99*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	237.69	53.29
		For >50 To 100, Deduct	*-14.55*	
		For >100, Deduct	*-20.49*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	241.06	53.29
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-20.74*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.05	55.61
		For >50 To 100, Deduct	*-15.23*	
		For >100, Deduct	*-21.46*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	256.74	55.61
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-22.04*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	286.38	57.92
		For >50 To 100, Deduct	*-17.22*	
		For >100, Deduct	*-24.37*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	294.90	57.92
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-25.01*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.96	57.92
		For >50 To 100, Deduct	*-18.49*	
		For >100, Deduct	*-26.29*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0315		**Birch Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	229.31	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.55*	
		For Stave Lumber Core (SLC), Add	*95.52*	
		For Structural Composite Lumber Core (SCLC), Add	*57.31*	
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.75*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	229.33	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.55*	
		For Stave Lumber Core (SLC), Add	*95.54*	
		For Structural Composite Lumber Core (SCLC), Add	*57.32*	
		For >50 To 100, Deduct	*-14.02*	
		For >100, Deduct	*-19.75*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	240.63	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.68*	
		For Stave Lumber Core (SLC), Add	*100.55*	
		For Structural Composite Lumber Core (SCLC), Add	*60.33*	
		For >50 To 100, Deduct	*-14.70*	
		For >100, Deduct	*-20.71*	
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	247.30	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.81*	
		For Stave Lumber Core (SLC), Add	*105.55*	
		For Structural Composite Lumber Core (SCLC), Add	*63.33*	
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-21.21*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	251.38	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.90*	
		For Stave Lumber Core (SLC), Add	*108.61*	
		For Structural Composite Lumber Core (SCLC), Add	*65.16*	
		For >50 To 100, Deduct	*-15.23*	
		For >100, Deduct	*-21.52*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	260.11	55.61
		For 7 Ply Cold Press Construction, Deduct	*-2.98*	
		For Stave Lumber Core (SLC), Add	*111.68*	
		For Structural Composite Lumber Core (SCLC), Add	*67.01*	
		For >50 To 100, Deduct	*-15.79*	
		For >100, Deduct	*-22.29*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	276.45	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.30*	
		For Stave Lumber Core (SLC), Add	*123.93*	
		For Structural Composite Lumber Core (SCLC), Add	*74.36*	
		For >50 To 100, Deduct	*-16.60*	
		For >100, Deduct	*-23.51*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	291.65	57.92
		For 7 Ply Cold Press Construction, Deduct	*-3.52*	
		For Stave Lumber Core (SLC), Add	*131.85*	
		For Structural Composite Lumber Core (SCLC), Add	*79.11*	
		For >50 To 100, Deduct	*-17.48*	
		For >100, Deduct	*-24.77*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	236.72	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.70*	
		For Stave Lumber Core (SLC), Add	*101.08*	
		For Structural Composite Lumber Core (SCLC), Add	*60.65*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.30*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	236.73	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.70*	
		For Stave Lumber Core (SLC), Add	*101.09*	
		For Structural Composite Lumber Core (SCLC), Add	*60.65*	
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-20.30*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	248.43	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.84*	
		For Stave Lumber Core (SLC), Add	*106.40*	
		For Structural Composite Lumber Core (SCLC), Add	*63.84*	
		For >50 To 100, Deduct	*-15.09*	
		For >100, Deduct	*-21.30*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	255.50	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.98*	
		For Stave Lumber Core (SLC), Add	*111.70*	
		For Structural Composite Lumber Core (SCLC), Add	*67.02*	
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-21.83*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	259.81	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.06*	
		For Stave Lumber Core (SLC), Add	*114.93*	
		For Structural Composite Lumber Core (SCLC), Add	*68.96*	
		For >50 To 100, Deduct	*-15.65*	
		For >100, Deduct	*-22.15*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	268.78	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.15*	
		For Stave Lumber Core (SLC), Add	*118.18*	
		For Structural Composite Lumber Core (SCLC), Add	*70.91*	
		For >50 To 100, Deduct	*-16.22*	
		For >100, Deduct	*-22.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	286.07	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.50*	
		For Stave Lumber Core (SLC), Add	*131.15*	
		For Structural Composite Lumber Core (SCLC), Add	*78.69*	
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.24*	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	301.89	57.92
		For 7 Ply Cold Press Construction, Deduct	*-3.72*	
		For Stave Lumber Core (SLC), Add	*139.53*	
		For Structural Composite Lumber Core (SCLC), Add	*83.72*	
		For >50 To 100, Deduct	*-17.99*	
		For >100, Deduct	*-25.54*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	263.01	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.22*	
		For Stave Lumber Core (SLC), Add	*120.80*	
		For Structural Composite Lumber Core (SCLC), Add	*72.48*	
		For >50 To 100, Deduct	*-15.70*	
		For >100, Deduct	*-22.27*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	263.01	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.22*	
		For Stave Lumber Core (SLC), Add	*120.80*	
		For Structural Composite Lumber Core (SCLC), Add	*72.48*	
		For >50 To 100, Deduct	*-15.70*	
		For >100, Deduct	*-22.27*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	276.09	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.39*	
		For Stave Lumber Core (SLC), Add	*127.14*	
		For Structural Composite Lumber Core (SCLC), Add	*76.28*	
		For >50 To 100, Deduct	*-16.47*	
		For >100, Deduct	*-23.37*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	284.55	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.56*	
		For Stave Lumber Core (SLC), Add	*133.49*	
		For Structural Composite Lumber Core (SCLC), Add	*80.09*	
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-24.01*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	289.69	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.66*	
		For Stave Lumber Core (SLC), Add	*137.34*	
		For Structural Composite Lumber Core (SCLC), Add	*82.40*	
		For >50 To 100, Deduct	*-17.15*	
		For >100, Deduct	*-24.39*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	299.50	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.77*	
		For Stave Lumber Core (SLC), Add	*141.22*	
		For Structural Composite Lumber Core (SCLC), Add	*84.73*	
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-25.24*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	320.16	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.18*	
		For Stave Lumber Core (SLC), Add	*156.71*	
		For Structural Composite Lumber Core (SCLC), Add	*94.03*	
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.79*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	338.16	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.45*	
		For Stave Lumber Core (SLC), Add	*166.73*	
		For Structural Composite Lumber Core (SCLC), Add	*100.04*	
		For >50 To 100, Deduct	*-19.80*	
		For >100, Deduct	*-28.26*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	259.10	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.14*	
		For Stave Lumber Core (SLC), Add	*117.86*	
		For Structural Composite Lumber Core (SCLC), Add	*70.72*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.98*	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	259.10	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.14*	
		For Stave Lumber Core (SLC), Add	*117.86*	
		For Structural Composite Lumber Core (SCLC), Add	*70.72*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.98*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	271.99	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.31*	
		For Stave Lumber Core (SLC), Add	*124.07*	
		For Structural Composite Lumber Core (SCLC), Add	*74.44*	
		For >50 To 100, Deduct	*-16.26*	
		For >100, Deduct	*-23.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	280.24	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.47*	
		For Stave Lumber Core (SLC), Add	*130.25*	
		For Structural Composite Lumber Core (SCLC), Add	*78.15*	
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.68*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	285.27	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.57*	
		For Stave Lumber Core (SLC), Add	*134.03*	
		For Structural Composite Lumber Core (SCLC), Add	*80.42*	
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-24.06*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	294.95	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.67*	
		For Stave Lumber Core (SLC), Add	*137.81*	
		For Structural Composite Lumber Core (SCLC), Add	*82.68*	
		For >50 To 100, Deduct	*-17.53*	
		For >100, Deduct	*-24.90*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	315.12	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.08*	
		For Stave Lumber Core (SLC), Add	*152.93*	
		For Structural Composite Lumber Core (SCLC), Add	*91.76*	
		For >50 To 100, Deduct	*-18.54*	
		For >100, Deduct	*-26.41*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	332.78	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.34*	
		For Stave Lumber Core (SLC), Add	*162.70*	
		For Structural Composite Lumber Core (SCLC), Add	*97.62*	
		For >50 To 100, Deduct	*-19.54*	
		For >100, Deduct	*-27.85*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	268.24	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.33*	
		For Stave Lumber Core (SLC), Add	*124.72*	
		For Structural Composite Lumber Core (SCLC), Add	*74.83*	
		For >50 To 100, Deduct	*-15.96*	
		For >100, Deduct	*-22.67*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	268.24	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.33*	
		For Stave Lumber Core (SLC), Add	*124.72*	
		For Structural Composite Lumber Core (SCLC), Add	*74.83*	
		For >50 To 100, Deduct	*-15.96*	
		For >100, Deduct	*-22.67*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	281.63	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.50*	
		For Stave Lumber Core (SLC), Add	*131.30*	
		For Structural Composite Lumber Core (SCLC), Add	*78.78*	
		For >50 To 100, Deduct	*-16.75*	
		For >100, Deduct	*-23.79*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	290.36	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.68*	
		For Stave Lumber Core (SLC), Add	*137.84*	
		For Structural Composite Lumber Core (SCLC), Add	*82.71*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-24.44*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	295.67	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.78*	
		For Stave Lumber Core (SLC), Add	*141.83*	
		For Structural Composite Lumber Core (SCLC), Add	*85.10*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-24.84*	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	305.65	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.89*	
		For Stave Lumber Core (SLC), Add	*145.83*	
		For Structural Composite Lumber Core (SCLC), Add	*87.50*	
		For >50 To 100, Deduct	*-18.06*	
		For >100, Deduct	*-25.70*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	326.98	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.32*	
		For Stave Lumber Core (SLC), Add	*161.83*	
		For Structural Composite Lumber Core (SCLC), Add	*97.10*	
		For >50 To 100, Deduct	*-19.13*	
		For >100, Deduct	*-27.30*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	345.42	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.59*	
		For Stave Lumber Core (SLC), Add	*172.18*	
		For Structural Composite Lumber Core (SCLC), Add	*103.31*	
		For >50 To 100, Deduct	*-20.17*	
		For >100, Deduct	*-28.80*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	300.67	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*149.04*	
		For Structural Composite Lumber Core (SCLC), Add	*89.42*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-25.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	300.67	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*149.04*	
		For Structural Composite Lumber Core (SCLC), Add	*89.42*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-25.10*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	315.77	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.18*	
		For Stave Lumber Core (SLC), Add	*156.90*	
		For Structural Composite Lumber Core (SCLC), Add	*94.14*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-26.35*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	326.19	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.39*	
		For Stave Lumber Core (SLC), Add	*164.72*	
		For Structural Composite Lumber Core (SCLC), Add	*98.83*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-27.13*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	332.54	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.52*	
		For Stave Lumber Core (SLC), Add	*169.48*	
		For Structural Composite Lumber Core (SCLC), Add	*101.69*	
		For >50 To 100, Deduct	*-19.29*	
		For >100, Deduct	*-27.60*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	343.57	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.65*	
		For Stave Lumber Core (SLC), Add	*174.27*	
		For Structural Composite Lumber Core (SCLC), Add	*104.56*	
		For >50 To 100, Deduct	*-19.96*	
		For >100, Deduct	*-28.55*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	369.06	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.16*	
		For Stave Lumber Core (SLC), Add	*193.39*	
		For Structural Composite Lumber Core (SCLC), Add	*116.03*	
		For >50 To 100, Deduct	*-21.23*	
		For >100, Deduct	*-30.46*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	390.19	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.49*	
		For Stave Lumber Core (SLC), Add	*205.76*	
		For Structural Composite Lumber Core (SCLC), Add	*123.45*	
		For >50 To 100, Deduct	*-22.41*	
		For >100, Deduct	*-32.16*	

08 14 16 00-0365 Maple Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	290.53	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.77*	
		For Stave Lumber Core (SLC), Add	*141.44*	
		For Structural Composite Lumber Core (SCLC), Add	*84.86*	
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.34*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	290.53	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.77*	
		For Stave Lumber Core (SLC), Add	*141.44*	
		For Structural Composite Lumber Core (SCLC), Add	*84.86*	
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.34*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	305.08	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*148.88*	
		For Structural Composite Lumber Core (SCLC), Add	*89.33*	
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.55*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	314.98	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.17*	
		For Stave Lumber Core (SLC), Add	*156.31*	
		For Structural Composite Lumber Core (SCLC), Add	*93.78*	
		For >50 To 100, Deduct	*-18.41*	
		For >100, Deduct	*-26.29*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	321.00	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.29*	
		For Stave Lumber Core (SLC), Add	*160.82*	
		For Structural Composite Lumber Core (SCLC), Add	*96.49*	
		For >50 To 100, Deduct	*-18.71*	
		For >100, Deduct	*-26.74*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	331.70	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.41*	
		For Stave Lumber Core (SLC), Add	*165.37*	
		For Structural Composite Lumber Core (SCLC), Add	*99.22*	
		For >50 To 100, Deduct	*-19.37*	
		For >100, Deduct	*-27.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	355.89	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.89*	
		For Stave Lumber Core (SLC), Add	*183.51*	
		For Structural Composite Lumber Core (SCLC), Add	*110.11*	
		For >50 To 100, Deduct	*-20.57*	
		For >100, Deduct	*-29.47*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	376.17	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.21*	
		For Stave Lumber Core (SLC), Add	*195.24*	
		For Structural Composite Lumber Core (SCLC), Add	*117.14*	
		For >50 To 100, Deduct	*-21.70*	
		For >100, Deduct	*-31.11*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	301.49	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.66*	
		For Structural Composite Lumber Core (SCLC), Add	*89.79*	
		For >50 To 100, Deduct	*-17.62*	
		For >100, Deduct	*-25.16*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	301.49	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.66*	
		For Structural Composite Lumber Core (SCLC), Add	*89.79*	
		For >50 To 100, Deduct	*-17.62*	
		For >100, Deduct	*-25.16*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	316.64	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.20*	
		For Stave Lumber Core (SLC), Add	*157.55*	
		For Structural Composite Lumber Core (SCLC), Add	*94.53*	
		For >50 To 100, Deduct	*-18.50*	
		For >100, Deduct	*-26.41*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	327.12	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.41*	
		For Stave Lumber Core (SLC), Add	*165.41*	
		For Structural Composite Lumber Core (SCLC), Add	*99.25*	
		For >50 To 100, Deduct	*-19.02*	
		For >100, Deduct	*-27.20*	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	333.49	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.54*	
		For Stave Lumber Core (SLC), Add	*170.19*	
		For Structural Composite Lumber Core (SCLC), Add	*102.11*	
		For >50 To 100, Deduct	*-19.34*	
		For >100, Deduct	*-27.68*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	344.54	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.67*	
		For Stave Lumber Core (SLC), Add	*175.00*	
		For Structural Composite Lumber Core (SCLC), Add	*105.00*	
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-28.62*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	370.14	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.18*	
		For Stave Lumber Core (SLC), Add	*194.20*	
		For Structural Composite Lumber Core (SCLC), Add	*116.52*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-30.54*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	391.32	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.60*	
		For Structural Composite Lumber Core (SCLC), Add	*123.96*	
		For >50 To 100, Deduct	*-22.46*	
		For >100, Deduct	*-32.25*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	340.41	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.77*	
		For Stave Lumber Core (SLC), Add	*178.85*	
		For Structural Composite Lumber Core (SCLC), Add	*107.31*	
		For >50 To 100, Deduct	*-19.57*	
		For >100, Deduct	*-28.08*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	340.41	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.77*	
		For Stave Lumber Core (SLC), Add	*178.85*	
		For Structural Composite Lumber Core (SCLC), Add	*107.31*	
		For >50 To 100, Deduct	*-19.57*	
		For >100, Deduct	*-28.08*	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	357.60	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.02*	
		For Stave Lumber Core (SLC), Add	*188.27*	
		For Structural Composite Lumber Core (SCLC), Add	*112.96*	
		For >50 To 100, Deduct	*-20.54*	
		For >100, Deduct	*-29.48*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	370.11	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.27*	
		For Stave Lumber Core (SLC), Add	*197.66*	
		For Structural Composite Lumber Core (SCLC), Add	*118.59*	
		For >50 To 100, Deduct	*-21.17*	
		For >100, Deduct	*-30.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	377.74	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.42*	
		For Stave Lumber Core (SLC), Add	*203.38*	
		For Structural Composite Lumber Core (SCLC), Add	*122.03*	
		For >50 To 100, Deduct	*-21.55*	
		For >100, Deduct	*-30.99*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	390.03	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.58*	
		For Stave Lumber Core (SLC), Add	*209.12*	
		For Structural Composite Lumber Core (SCLC), Add	*125.47*	
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-32.03*	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	420.64	55.61
		For 7 Ply Cold Press Construction, Deduct	*-6.19*	
		For Stave Lumber Core (SLC), Add	*232.07*	
		For Structural Composite Lumber Core (SCLC), Add	*139.24*	
		For >50 To 100, Deduct	*-23.81*	
		For >100, Deduct	*-34.33*	
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	445.04	57.92
		For 7 Ply Cold Press Construction, Deduct	*-6.58*	
		For Stave Lumber Core (SLC), Add	*246.89*	
		For Structural Composite Lumber Core (SCLC), Add	*148.14*	
		For >50 To 100, Deduct	*-25.15*	
		For >100, Deduct	*-36.27*	

08 14 16 00-0390 Lauan Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	196.80	50.97
		For >50 To 100, Deduct	*-12.39*	
		For >100, Deduct	*-17.31*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	196.80	50.97
		For >50 To 100, Deduct	*-12.39*	
		For >100, Deduct	*-17.31*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	206.61	53.29
		For >50 To 100, Deduct	*-12.99*	
		For >100, Deduct	*-18.16*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	211.84	53.29
		For >50 To 100, Deduct	*-13.26*	
		For >100, Deduct	*-18.55*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	214.47	53.29
		For >50 To 100, Deduct	*-13.39*	
		For >100, Deduct	*-18.75*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	221.75	55.61
		For >50 To 100, Deduct	*-13.87*	
		For >100, Deduct	*-19.41*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	233.89	55.61
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.32*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	248.15	57.92
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.51*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	202.32	50.97
		For >50 To 100, Deduct	*-12.66*	
		For >100, Deduct	*-17.72*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	202.32	50.97
		For >50 To 100, Deduct	*-12.66*	
		For >100, Deduct	*-17.72*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	212.44	53.29
		For >50 To 100, Deduct	*-13.29*	
		For >100, Deduct	*-18.60*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	217.97	53.29
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-19.01*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	220.75	53.29
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.22*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	228.18	55.61
		For >50 To 100, Deduct	*-14.19*	
		For >100, Deduct	*-19.89*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	241.04	55.61
		For >50 To 100, Deduct	*-14.83*	
		For >100, Deduct	*-20.86*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	255.84	57.92
		For >50 To 100, Deduct	*-15.69*	
		For >100, Deduct	*-22.08*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	221.90	50.97
		For >50 To 100, Deduct	*-13.64*	
		For >100, Deduct	*-19.19*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	221.90	50.97
		For >50 To 100, Deduct	*-13.64*	
		For >100, Deduct	*-19.19*	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	233.08	53.29
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-20.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	239.69	53.29
		For >50 To 100, Deduct	*-14.65*	
		For >100, Deduct	*-20.64*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.02	53.29
		For >50 To 100, Deduct	*-14.82*	
		For >100, Deduct	*-20.89*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	250.99	55.61
		For >50 To 100, Deduct	*-15.33*	
		For >100, Deduct	*-21.60*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	266.36	55.61
		For >50 To 100, Deduct	*-16.10*	
		For >100, Deduct	*-22.76*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.13	57.92
		For >50 To 100, Deduct	*-17.05*	
		For >100, Deduct	*-24.13*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	209.06	50.97
		For Stave Lumber Core (SLC), Add	*80.33*	
		For Structural Composite Lumber Core (SCLC), Add	*48.20*	
		For >50 To 100, Deduct	*-13.00*	
		For >100, Deduct	*-18.23*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	209.06	50.97
		For Stave Lumber Core (SLC), Add	*80.33*	
		For Structural Composite Lumber Core (SCLC), Add	*48.20*	
		For >50 To 100, Deduct	*-13.00*	
		For >100, Deduct	*-18.23*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	219.91	53.29
		For Stave Lumber Core (SLC), Add	*85.01*	
		For Structural Composite Lumber Core (SCLC), Add	*51.00*	
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-19.16*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	226.11	53.29
		For Stave Lumber Core (SLC), Add	*89.66*	
		For Structural Composite Lumber Core (SCLC), Add	*53.79*	
		For >50 To 100, Deduct	*-13.97*	
		For >100, Deduct	*-19.62*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	227.25	53.29
		For Stave Lumber Core (SLC), Add	*90.51*	
		For Structural Composite Lumber Core (SCLC), Add	*54.31*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.71*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	233.04	55.61
		For Stave Lumber Core (SLC), Add	*91.37*	
		For Structural Composite Lumber Core (SCLC), Add	*54.82*	
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-20.26*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	246.49	55.61
		For Stave Lumber Core (SLC), Add	*101.46*	
		For Structural Composite Lumber Core (SCLC), Add	*60.88*	
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-21.27*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.63	57.92
		For Stave Lumber Core (SLC), Add	*119.84*	
		For Structural Composite Lumber Core (SCLC), Add	*71.90*	
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.57*	
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	215.30	50.97
		For Stave Lumber Core (SLC), Add	*85.01*	
		For Structural Composite Lumber Core (SCLC), Add	*51.01*	
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.70*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	215.31	50.97
		For Stave Lumber Core (SLC), Add	*85.02*	
		For Structural Composite Lumber Core (SCLC), Add	*51.01*	
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.70*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	226.50	53.29
		For Stave Lumber Core (SLC), Add	*89.95*	
		For Structural Composite Lumber Core (SCLC), Add	*53.97*	
		For >50 To 100, Deduct	*-13.99*	
		For >100, Deduct	*-19.65*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	233.07	53.29
		For Stave Lumber Core (SLC), Add	*94.88*	
		For Structural Composite Lumber Core (SCLC), Add	*56.93*	
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-20.14*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	234.28	53.29
		For Stave Lumber Core (SLC), Add	*95.78*	
		For Structural Composite Lumber Core (SCLC), Add	*57.47*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	240.14	55.61
		For Stave Lumber Core (SLC), Add	*96.70*	
		For Structural Composite Lumber Core (SCLC), Add	*58.02*	
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-20.79*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	254.36	55.61
		For Stave Lumber Core (SLC), Add	*107.36*	
		For Structural Composite Lumber Core (SCLC), Add	*64.42*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.86*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.94	57.92
		For Stave Lumber Core (SLC), Add	*126.82*	
		For Structural Composite Lumber Core (SCLC), Add	*76.09*	
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-24.27*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	237.39	50.97
		For Stave Lumber Core (SLC), Add	*101.58*	
		For Structural Composite Lumber Core (SCLC), Add	*60.95*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.35*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	237.41	50.97
		For Stave Lumber Core (SLC), Add	*101.60*	
		For Structural Composite Lumber Core (SCLC), Add	*60.96*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.35*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	249.89	53.29
		For Stave Lumber Core (SLC), Add	*107.49*	
		For Structural Composite Lumber Core (SCLC), Add	*64.49*	
		For >50 To 100, Deduct	*-15.16*	
		For >100, Deduct	*-21.41*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	257.73	53.29
		For Stave Lumber Core (SLC), Add	*113.37*	
		For Structural Composite Lumber Core (SCLC), Add	*68.02*	
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-21.99*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	259.17	53.29
		For Stave Lumber Core (SLC), Add	*114.45*	
		For Structural Composite Lumber Core (SCLC), Add	*68.67*	
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-22.10*	
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	265.28	55.61
		For Stave Lumber Core (SLC), Add	*115.55*	
		For Structural Composite Lumber Core (SCLC), Add	*69.33*	
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-22.68*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.28	55.61
		For Stave Lumber Core (SLC), Add	*128.30*	
		For Structural Composite Lumber Core (SCLC), Add	*76.98*	
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-23.95*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.92	57.92
		For Stave Lumber Core (SLC), Add	*151.55*	
		For Structural Composite Lumber Core (SCLC), Add	*90.93*	
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.74*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	256.97	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.10*	
		For Stave Lumber Core (SLC), Add	*116.27*	
		For Structural Composite Lumber Core (SCLC), Add	*69.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.02*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.82*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	256.97	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.10*	
		For Stave Lumber Core (SLC), Add	*116.27*	
		For Structural Composite Lumber Core (SCLC), Add	*69.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.02*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	253.43	53.29
		For 7 Ply Cold Press Construction, Deduct	*-2.94*	
		For Stave Lumber Core (SLC), Add	*110.15*	
		For Structural Composite Lumber Core (SCLC), Add	*66.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*110.15*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*176.23*	
		For >50 To 100, Deduct	*-15.34*	
		For >100, Deduct	*-21.67*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	259.55	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.06*	
		For Stave Lumber Core (SLC), Add	*114.74*	
		For Structural Composite Lumber Core (SCLC), Add	*68.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*183.58*	
		For >50 To 100, Deduct	*-15.64*	
		For >100, Deduct	*-22.13*	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	263.64	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.14*	
		For Stave Lumber Core (SLC), Add	*117.80*	
		For Structural Composite Lumber Core (SCLC), Add	*70.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*117.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*188.48*	
		For >50 To 100, Deduct	*-15.85*	
		For >100, Deduct	*-22.44*	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	272.35	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.22*	
		For Stave Lumber Core (SLC), Add	*120.86*	
		For Structural Composite Lumber Core (SCLC), Add	*72.51*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*193.37*	
		For >50 To 100, Deduct	*-16.40*	
		For >100, Deduct	*-23.21*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	290.07	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.58*	
		For Stave Lumber Core (SLC), Add	*134.15*	
		For Structural Composite Lumber Core (SCLC), Add	*80.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*134.15*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*214.63*	
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-24.54*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	333.01	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.34*	
		For Stave Lumber Core (SLC), Add	*162.87*	
		For Structural Composite Lumber Core (SCLC), Add	*97.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*260.59*	
		For >50 To 100, Deduct	*-19.55*	
		For >100, Deduct	*-27.87*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	343.87	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.56*	
		For Stave Lumber Core (SLC), Add	*171.02*	
		For Structural Composite Lumber Core (SCLC), Add	*102.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*123.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*171.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*273.62*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-28.69*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	374.84	62.56
		For 7 Ply Cold Press Construction, Deduct	*-4.99*	
		For Stave Lumber Core (SLC), Add	*187.30*	
		For Structural Composite Lumber Core (SCLC), Add	*112.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*299.68*	
		For >50 To 100, Deduct	*-21.87*	
		For >100, Deduct	*-31.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	249.64	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.95*	
		For Stave Lumber Core (SLC), Add	*110.77*	
		For Structural Composite Lumber Core (SCLC), Add	*66.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*110.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*177.23*	
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-21.27*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	249.64	50.97
		For 7 Ply Cold Press Construction, Deduct	*-2.95*	
		For Stave Lumber Core (SLC), Add	*110.77*	
		For Structural Composite Lumber Core (SCLC), Add	*66.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*110.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*177.23*	
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-21.27*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	261.98	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.11*	
		For Stave Lumber Core (SLC), Add	*116.56*	
		For Structural Composite Lumber Core (SCLC), Add	*69.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.49*	
		For >50 To 100, Deduct	*-15.76*	
		For >100, Deduct	*-22.31*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	268.45	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.24*	
		For Stave Lumber Core (SLC), Add	*121.41*	
		For Structural Composite Lumber Core (SCLC), Add	*72.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.26*	
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.80*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	272.78	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.32*	
		For Stave Lumber Core (SLC), Add	*124.66*	
		For Structural Composite Lumber Core (SCLC), Add	*74.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.45*	
		For >50 To 100, Deduct	*-16.30*	
		For >100, Deduct	*-23.12*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	281.72	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.41*	
		For Stave Lumber Core (SLC), Add	*127.88*	
		For Structural Composite Lumber Core (SCLC), Add	*76.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.61*	
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-23.91*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	300.48	55.61
		For 7 Ply Cold Press Construction, Deduct	*-3.79*	
		For Stave Lumber Core (SLC), Add	*141.95*	
		For Structural Composite Lumber Core (SCLC), Add	*85.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*141.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.12*	
		For >50 To 100, Deduct	*-17.80*	
		For >100, Deduct	*-25.32*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	345.65	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.60*	
		For Stave Lumber Core (SLC), Add	*172.35*	
		For Structural Composite Lumber Core (SCLC), Add	*103.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.76*	
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-28.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.14	57.92
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*180.97*	
		For Structural Composite Lumber Core (SCLC), Add	*108.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*180.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*289.55*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-29.68*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	389.37	62.56
		For 7 Ply Cold Press Construction, Deduct	*-5.29*	
		For Stave Lumber Core (SLC), Add	*198.20*	
		For Structural Composite Lumber Core (SCLC), Add	*118.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.11*	
		For >50 To 100, Deduct	*-22.60*	
		For >100, Deduct	*-32.33*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	297.98	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.92*	
		For Stave Lumber Core (SLC), Add	*147.02*	
		For Structural Composite Lumber Core (SCLC), Add	*88.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.24*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-24.90*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	297.98	50.97
		For 7 Ply Cold Press Construction, Deduct	*-3.92*	
		For Stave Lumber Core (SLC), Add	*147.02*	
		For Structural Composite Lumber Core (SCLC), Add	*88.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.24*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-24.90*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	292.28	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.71*	
		For Stave Lumber Core (SLC), Add	*139.28*	
		For Structural Composite Lumber Core (SCLC), Add	*83.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*222.85*	
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-24.59*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	300.01	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.87*	
		For Stave Lumber Core (SLC), Add	*145.08*	
		For Structural Composite Lumber Core (SCLC), Add	*87.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.13*	
		For >50 To 100, Deduct	*-17.66*	
		For >100, Deduct	*-25.17*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	305.18	53.29
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*148.96*	
		For Structural Composite Lumber Core (SCLC), Add	*89.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.33*	
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.55*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	314.97	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.08*	
		For Stave Lumber Core (SLC), Add	*152.82*	
		For Structural Composite Lumber Core (SCLC), Add	*91.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*244.51*	
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-26.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	337.39	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.52*	
		For Stave Lumber Core (SLC), Add	*169.64*	
		For Structural Composite Lumber Core (SCLC), Add	*101.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*122.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*271.42*	
		For >50 To 100, Deduct	*-19.65*	
		For >100, Deduct	*-28.08*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	390.45	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.49*	
		For Stave Lumber Core (SLC), Add	*205.95*	
		For Structural Composite Lumber Core (SCLC), Add	*123.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*329.52*	
		For >50 To 100, Deduct	*-22.42*	
		For >100, Deduct	*-32.18*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	404.18	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.77*	
		For Stave Lumber Core (SLC), Add	*216.25*	
		For Structural Composite Lumber Core (SCLC), Add	*129.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*155.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*216.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*346.00*	
		For >50 To 100, Deduct	*-23.11*	
		For >100, Deduct	*-33.21*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	440.90	62.56
		For 7 Ply Cold Press Construction, Deduct	*-6.32*	
		For Stave Lumber Core (SLC), Add	*236.84*	
		For Structural Composite Lumber Core (SCLC), Add	*142.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.95*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-36.20*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	311.34	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.04*	
		For Structural Composite Lumber Core (SCLC), Add	*94.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.27*	
		For >50 To 100, Deduct	*-18.12*	
		For >100, Deduct	*-25.90*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	311.34	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.04*	
		For Structural Composite Lumber Core (SCLC), Add	*94.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.27*	
		For >50 To 100, Deduct	*-18.12*	
		For >100, Deduct	*-25.90*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	315.96	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.04*	
		For Structural Composite Lumber Core (SCLC), Add	*94.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.27*	
		For >50 To 100, Deduct	*-18.46*	
		For >100, Deduct	*-26.36*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	318.11	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.23*	
		For Stave Lumber Core (SLC), Add	*158.66*	
		For Structural Composite Lumber Core (SCLC), Add	*95.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.85*	
		For >50 To 100, Deduct	*-18.57*	
		For >100, Deduct	*-26.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	319.08	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.38*	
		For Structural Composite Lumber Core (SCLC), Add	*95.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.38*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.01*	
		For >50 To 100, Deduct	*-18.62*	
		For >100, Deduct	*-26.60*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	324.69	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.27*	
		For Stave Lumber Core (SLC), Add	*160.11*	
		For Structural Composite Lumber Core (SCLC), Add	*96.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.18*	
		For >50 To 100, Deduct	*-19.01*	
		For >100, Deduct	*-27.13*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	348.14	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.74*	
		For Stave Lumber Core (SLC), Add	*177.70*	
		For Structural Composite Lumber Core (SCLC), Add	*106.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.32*	
		For >50 To 100, Deduct	*-20.19*	
		For >100, Deduct	*-28.89*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	413.16	57.92
		For 7 Ply Cold Press Construction, Deduct	*-5.95*	
		For Stave Lumber Core (SLC), Add	*222.98*	
		For Structural Composite Lumber Core (SCLC), Add	*133.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*160.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*222.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*356.77*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-33.88*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	428.23	57.92
		For 7 Ply Cold Press Construction, Deduct	*-6.25*	
		For Stave Lumber Core (SLC), Add	*234.29*	
		For Structural Composite Lumber Core (SCLC), Add	*140.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*234.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*374.86*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-35.01*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	467.02	62.56
		For 7 Ply Cold Press Construction, Deduct	*-6.84*	
		For Stave Lumber Core (SLC), Add	*256.43*	
		For Structural Composite Lumber Core (SCLC), Add	*153.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.29*	
		For >50 To 100, Deduct	*-26.48*	
		For >100, Deduct	*-38.15*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	323.51	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.43*	
		For Stave Lumber Core (SLC), Add	*166.17*	
		For Structural Composite Lumber Core (SCLC), Add	*99.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*265.87*	
		For >50 To 100, Deduct	*-18.72*	
		For >100, Deduct	*-26.81*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	323.51	50.97
		For 7 Ply Cold Press Construction, Deduct	*-4.43*	
		For Stave Lumber Core (SLC), Add	*166.17*	
		For Structural Composite Lumber Core (SCLC), Add	*99.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*265.87*	
		For >50 To 100, Deduct	*-18.72*	
		For >100, Deduct	*-26.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	328.13	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.43*	
		For Stave Lumber Core (SLC), Add	*166.17*	
		For Structural Composite Lumber Core (SCLC), Add	*99.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*265.87*	
		For >50 To 100, Deduct	*-19.07*	
		For >100, Deduct	*-27.27*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	330.41	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.48*	
		For Stave Lumber Core (SLC), Add	*167.88*	
		For Structural Composite Lumber Core (SCLC), Add	*100.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.61*	
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-27.45*	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	331.44	53.29
		For 7 Ply Cold Press Construction, Deduct	*-4.50*	
		For Stave Lumber Core (SLC), Add	*168.65*	
		For Structural Composite Lumber Core (SCLC), Add	*101.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.84*	
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-27.52*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	337.12	55.61
		For 7 Ply Cold Press Construction, Deduct	*-4.52*	
		For Stave Lumber Core (SLC), Add	*169.43*	
		For Structural Composite Lumber Core (SCLC), Add	*101.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*271.09*	
		For >50 To 100, Deduct	*-19.64*	
		For >100, Deduct	*-28.06*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	361.93	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.01*	
		For Stave Lumber Core (SLC), Add	*188.04*	
		For Structural Composite Lumber Core (SCLC), Add	*112.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*300.86*	
		For >50 To 100, Deduct	*-20.88*	
		For >100, Deduct	*-29.93*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	430.47	57.92
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.97*	
		For Structural Composite Lumber Core (SCLC), Add	*141.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*169.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*235.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*377.54*	
		For >50 To 100, Deduct	*-24.42*	
		For >100, Deduct	*-35.18*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	446.41	57.92
		For 7 Ply Cold Press Construction, Deduct	*-6.61*	
		For Stave Lumber Core (SLC), Add	*247.92*	
		For Structural Composite Lumber Core (SCLC), Add	*148.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*396.67*	
		For >50 To 100, Deduct	*-25.22*	
		For >100, Deduct	*-36.38*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	486.91	62.56
		For 7 Ply Cold Press Construction, Deduct	*-7.24*	
		For Stave Lumber Core (SLC), Add	*271.35*	
		For Structural Composite Lumber Core (SCLC), Add	*162.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*271.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*434.16*	
		For >50 To 100, Deduct	*-27.47*	
		For >100, Deduct	*-39.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	366.71	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.57*	
		For Structural Composite Lumber Core (SCLC), Add	*119.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.71*	
		For >50 To 100, Deduct	*-20.88*	
		For >100, Deduct	*-30.05*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	366.71	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.57*	
		For Structural Composite Lumber Core (SCLC), Add	*119.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.71*	
		For >50 To 100, Deduct	*-20.88*	
		For >100, Deduct	*-30.05*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	371.33	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.57*	
		For Structural Composite Lumber Core (SCLC), Add	*119.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.71*	
		For >50 To 100, Deduct	*-21.23*	
		For >100, Deduct	*-30.51*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	374.06	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.35*	
		For Stave Lumber Core (SLC), Add	*200.62*	
		For Structural Composite Lumber Core (SCLC), Add	*120.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*200.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*320.99*	
		For >50 To 100, Deduct	*-21.37*	
		For >100, Deduct	*-30.72*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	375.30	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.55*	
		For Structural Composite Lumber Core (SCLC), Add	*120.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.48*	
		For >50 To 100, Deduct	*-21.43*	
		For >100, Deduct	*-30.81*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	381.16	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.40*	
		For Stave Lumber Core (SLC), Add	*202.46*	
		For Structural Composite Lumber Core (SCLC), Add	*121.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*202.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*323.94*	
		For >50 To 100, Deduct	*-21.84*	
		For >100, Deduct	*-31.37*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	410.81	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.99*	
		For Stave Lumber Core (SLC), Add	*224.70*	
		For Structural Composite Lumber Core (SCLC), Add	*134.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*224.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*359.52*	
		For >50 To 100, Deduct	*-23.32*	
		For >100, Deduct	*-33.59*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	491.82	57.92
		For 7 Ply Cold Press Construction, Deduct	*-7.52*	
		For Stave Lumber Core (SLC), Add	*281.98*	
		For Structural Composite Lumber Core (SCLC), Add	*169.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*203.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*281.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*451.16*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-39.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	510.86	57.92
		For 7 Ply Cold Press Construction, Deduct	*-7.90*	
		For Stave Lumber Core (SLC), Add	*296.26*	
		For Structural Composite Lumber Core (SCLC), Add	*177.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*474.01*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-41.21*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	557.47	62.56
		For 7 Ply Cold Press Construction, Deduct	*-8.65*	
		For Stave Lumber Core (SLC), Add	*324.27*	
		For Structural Composite Lumber Core (SCLC), Add	*194.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*233.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*324.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*518.83*	
		For >50 To 100, Deduct	*-31.00*	
		For >100, Deduct	*-44.94*	

08 14 16 00-0503 Maple Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	353.21	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.45*	
		For Structural Composite Lumber Core (SCLC), Add	*113.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.51*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-29.04*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	353.21	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.45*	
		For Structural Composite Lumber Core (SCLC), Add	*113.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.51*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-29.04*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	357.83	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.45*	
		For Structural Composite Lumber Core (SCLC), Add	*113.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.51*	
		For >50 To 100, Deduct	*-20.56*	
		For >100, Deduct	*-29.50*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	360.41	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.08*	
		For Stave Lumber Core (SLC), Add	*190.38*	
		For Structural Composite Lumber Core (SCLC), Add	*114.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.38*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.61*	
		For >50 To 100, Deduct	*-20.68*	
		For >100, Deduct	*-29.70*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	361.57	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.25*	
		For Structural Composite Lumber Core (SCLC), Add	*114.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.00*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-29.78*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	367.39	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.12*	
		For Stave Lumber Core (SLC), Add	*192.14*	
		For Structural Composite Lumber Core (SCLC), Add	*115.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*192.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*307.42*	
		For >50 To 100, Deduct	*-21.15*	
		For >100, Deduct	*-30.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	395.53	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.69*	
		For Stave Lumber Core (SLC), Add	*213.24*	
		For Structural Composite Lumber Core (SCLC), Add	*127.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.18*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-32.45*	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	454.78	57.92
		For 7 Ply Cold Press Construction, Deduct	*-6.78*	
		For Stave Lumber Core (SLC), Add	*254.20*	
		For Structural Composite Lumber Core (SCLC), Add	*152.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*406.72*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-37.00*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	490.45	57.92
		For 7 Ply Cold Press Construction, Deduct	*-7.49*	
		For Stave Lumber Core (SLC), Add	*280.95*	
		For Structural Composite Lumber Core (SCLC), Add	*168.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.52*	
		For >50 To 100, Deduct	*-27.42*	
		For >100, Deduct	*-39.68*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	526.16	57.92
		For 7 Ply Cold Press Construction, Deduct	*-8.21*	
		For Stave Lumber Core (SLC), Add	*307.73*	
		For Structural Composite Lumber Core (SCLC), Add	*184.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*492.37*	
		For >50 To 100, Deduct	*-29.20*	
		For >100, Deduct	*-42.36*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	367.83	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.32*	
		For Stave Lumber Core (SLC), Add	*199.41*	
		For Structural Composite Lumber Core (SCLC), Add	*119.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*199.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*319.06*	
		For >50 To 100, Deduct	*-20.94*	
		For >100, Deduct	*-30.14*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	367.83	50.97
		For 7 Ply Cold Press Construction, Deduct	*-5.32*	
		For Stave Lumber Core (SLC), Add	*199.41*	
		For Structural Composite Lumber Core (SCLC), Add	*119.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*199.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*319.06*	
		For >50 To 100, Deduct	*-20.94*	
		For >100, Deduct	*-30.14*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	372.45	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.32*	
		For Stave Lumber Core (SLC), Add	*199.41*	
		For Structural Composite Lumber Core (SCLC), Add	*119.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*199.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*319.06*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-30.60*	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	375.18	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.46*	
		For Structural Composite Lumber Core (SCLC), Add	*120.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.33*	
		For >50 To 100, Deduct	*-21.42*	
		For >100, Deduct	*-30.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	376.42	53.29
		For 7 Ply Cold Press Construction, Deduct	*-5.40*	
		For Stave Lumber Core (SLC), Add	*202.39*	
		For Structural Composite Lumber Core (SCLC), Add	*121.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*202.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*323.82*	
		For >50 To 100, Deduct	*-21.49*	
		For >100, Deduct	*-30.90*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	382.30	55.61
		For 7 Ply Cold Press Construction, Deduct	*-5.42*	
		For Stave Lumber Core (SLC), Add	*203.32*	
		For Structural Composite Lumber Core (SCLC), Add	*121.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*146.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*203.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*325.31*	
		For >50 To 100, Deduct	*-21.90*	
		For >100, Deduct	*-31.45*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.07	55.61
		For 7 Ply Cold Press Construction, Deduct	*-6.02*	
		For Stave Lumber Core (SLC), Add	*225.65*	
		For Structural Composite Lumber Core (SCLC), Add	*135.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.03*	
		For >50 To 100, Deduct	*-23.38*	
		For >100, Deduct	*-33.69*	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	474.51	57.92
		For 7 Ply Cold Press Construction, Deduct	*-7.17*	
		For Stave Lumber Core (SLC), Add	*269.00*	
		For Structural Composite Lumber Core (SCLC), Add	*161.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*193.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*430.39*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-38.48*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	512.27	57.92
		For 7 Ply Cold Press Construction, Deduct	*-7.93*	
		For Stave Lumber Core (SLC), Add	*297.32*	
		For Structural Composite Lumber Core (SCLC), Add	*178.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*475.70*	
		For >50 To 100, Deduct	*-28.51*	
		For >100, Deduct	*-41.32*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	550.05	57.92
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.65*	
		For Structural Composite Lumber Core (SCLC), Add	*195.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*521.04*	
		For >50 To 100, Deduct	*-30.40*	
		For >100, Deduct	*-44.15*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	419.67	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.29*	
		For Structural Composite Lumber Core (SCLC), Add	*142.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.26*	
		For >50 To 100, Deduct	*-23.53*	
		For >100, Deduct	*-34.02*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	419.67	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.29*	
		For Structural Composite Lumber Core (SCLC), Add	*142.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.26*	
		For >50 To 100, Deduct	*-23.53*	
		For >100, Deduct	*-34.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	424.29	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.29*	
		For Structural Composite Lumber Core (SCLC), Add	*142.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.26*	
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-34.49*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	427.55	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.42*	
		For Stave Lumber Core (SLC), Add	*240.74*	
		For Structural Composite Lumber Core (SCLC), Add	*144.44*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*240.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*385.18*	
		For >50 To 100, Deduct	*-24.04*	
		For >100, Deduct	*-34.73*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	429.04	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.85*	
		For Structural Composite Lumber Core (SCLC), Add	*145.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*241.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*386.96*	
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-34.84*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	435.15	55.61
		For 7 Ply Cold Press Construction, Deduct	*-6.48*	
		For Stave Lumber Core (SLC), Add	*242.96*	
		For Structural Composite Lumber Core (SCLC), Add	*145.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.73*	
		For >50 To 100, Deduct	*-24.54*	
		For >100, Deduct	*-35.42*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	470.74	55.61
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.65*	
		For Structural Composite Lumber Core (SCLC), Add	*161.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.44*	
		For >50 To 100, Deduct	*-26.32*	
		For >100, Deduct	*-38.09*	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	544.44	57.92
		For 7 Ply Cold Press Construction, Deduct	*-8.57*	
		For Stave Lumber Core (SLC), Add	*321.44*	
		For Structural Composite Lumber Core (SCLC), Add	*192.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*321.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*514.31*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-43.73*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	589.56	57.92
		For 7 Ply Cold Press Construction, Deduct	*-9.47*	
		For Stave Lumber Core (SLC), Add	*355.28*	
		For Structural Composite Lumber Core (SCLC), Add	*213.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*355.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*568.45*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-47.11*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	634.70	57.92
		For 7 Ply Cold Press Construction, Deduct	*-10.38*	
		For Stave Lumber Core (SLC), Add	*389.14*	
		For Structural Composite Lumber Core (SCLC), Add	*233.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*280.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*389.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*622.62*	
		For >50 To 100, Deduct	*-34.63*	
		For >100, Deduct	*-50.50*	

08 14 16 00-0534 Walnut Faced Wood Doors *(08 14 16 00-0440)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	423.20	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.43*	
		For Stave Lumber Core (SLC), Add	*240.94*	
		For Structural Composite Lumber Core (SCLC), Add	*144.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*240.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*385.50*	
		For >50 To 100, Deduct	*-23.71*	
		For >100, Deduct	*-34.29*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	423.20	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.43*	
		For Stave Lumber Core (SLC), Add	*240.94*	
		For Structural Composite Lumber Core (SCLC), Add	*144.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*240.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*385.50*	
		For >50 To 100, Deduct	*-23.71*	
		For >100, Deduct	*-34.29*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	427.93	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.43*	
		For Stave Lumber Core (SLC), Add	*241.02*	
		For Structural Composite Lumber Core (SCLC), Add	*144.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*241.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*385.63*	
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-34.76*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	431.24	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.49*	
		For Stave Lumber Core (SLC), Add	*243.50*	
		For Structural Composite Lumber Core (SCLC), Add	*146.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*243.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*389.60*	
		For >50 To 100, Deduct	*-24.23*	
		For >100, Deduct	*-35.01*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	439.90	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.67*	
		For Stave Lumber Core (SLC), Add	*250.00*	
		For Structural Composite Lumber Core (SCLC), Add	*150.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.00*	
		For >50 To 100, Deduct	*-24.66*	
		For >100, Deduct	*-35.66*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	453.18	55.61
		For 7 Ply Cold Press Construction, Deduct	*-6.84*	
		For Stave Lumber Core (SLC), Add	*256.48*	
		For Structural Composite Lumber Core (SCLC), Add	*153.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.36*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.77*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	475.64	55.61
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.32*	
		For Structural Composite Lumber Core (SCLC), Add	*163.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.32*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-38.45*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	575.07	57.92
		For 7 Ply Cold Press Construction, Deduct	*-9.18*	
		For Stave Lumber Core (SLC), Add	*344.42*	
		For Structural Composite Lumber Core (SCLC), Add	*206.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*344.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*551.06*	
		For >50 To 100, Deduct	*-31.65*	
		For >100, Deduct	*-46.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	598.02	57.92
		For 7 Ply Cold Press Construction, Deduct	*-9.64*	
		For Stave Lumber Core (SLC), Add	*361.63*	
		For Structural Composite Lumber Core (SCLC), Add	*216.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*260.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*361.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*578.60*	
		For >50 To 100, Deduct	*-32.80*	
		For >100, Deduct	*-47.75*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	643.97	57.92
		For 7 Ply Cold Press Construction, Deduct	*-10.56*	
		For Stave Lumber Core (SLC), Add	*396.09*	
		For Structural Composite Lumber Core (SCLC), Add	*237.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*63.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*285.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*396.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*633.74*	
		For >50 To 100, Deduct	*-35.09*	
		For >100, Deduct	*-51.19*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	441.90	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.80*	
		For Stave Lumber Core (SLC), Add	*254.96*	
		For Structural Composite Lumber Core (SCLC), Add	*152.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.94*	
		For >50 To 100, Deduct	*-24.64*	
		For >100, Deduct	*-35.69*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	441.90	50.97
		For 7 Ply Cold Press Construction, Deduct	*-6.80*	
		For Stave Lumber Core (SLC), Add	*254.96*	
		For Structural Composite Lumber Core (SCLC), Add	*152.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.94*	
		For >50 To 100, Deduct	*-24.64*	
		For >100, Deduct	*-35.69*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	446.62	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.80*	
		For Stave Lumber Core (SLC), Add	*255.04*	
		For Structural Composite Lumber Core (SCLC), Add	*153.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*255.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*408.06*	
		For >50 To 100, Deduct	*-25.00*	
		For >100, Deduct	*-36.16*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	450.13	53.29
		For 7 Ply Cold Press Construction, Deduct	*-6.87*	
		For Stave Lumber Core (SLC), Add	*257.67*	
		For Structural Composite Lumber Core (SCLC), Add	*154.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*412.27*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-36.42*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	459.30	53.29
		For 7 Ply Cold Press Construction, Deduct	*-7.05*	
		For Stave Lumber Core (SLC), Add	*264.55*	
		For Structural Composite Lumber Core (SCLC), Add	*158.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.28*	
		For >50 To 100, Deduct	*-25.63*	
		For >100, Deduct	*-37.11*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	473.07	55.61
		For 7 Ply Cold Press Construction, Deduct	*-7.24*	
		For Stave Lumber Core (SLC), Add	*271.40*	
		For Structural Composite Lumber Core (SCLC), Add	*162.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*271.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*434.23*	
		For >50 To 100, Deduct	*-26.43*	
		For >100, Deduct	*-38.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	496.85	55.61
		For 7 Ply Cold Press Construction, Deduct	*-7.71*	
		For Stave Lumber Core (SLC), Add	*289.23*	
		For Structural Composite Lumber Core (SCLC), Add	*173.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*462.77*	
		For >50 To 100, Deduct	*-27.62*	
		For >100, Deduct	*-40.04*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	601.78	57.92
		For 7 Ply Cold Press Construction, Deduct	*-9.72*	
		For Stave Lumber Core (SLC), Add	*364.45*	
		For Structural Composite Lumber Core (SCLC), Add	*218.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.12*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-48.03*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	626.08	57.92
		For 7 Ply Cold Press Construction, Deduct	*-10.20*	
		For Stave Lumber Core (SLC), Add	*382.67*	
		For Structural Composite Lumber Core (SCLC), Add	*229.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*275.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*382.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*612.28*	
		For >50 To 100, Deduct	*-34.20*	
		For >100, Deduct	*-49.85*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	674.69	57.92
		For 7 Ply Cold Press Construction, Deduct	*-11.18*	
		For Stave Lumber Core (SLC), Add	*419.13*	
		For Structural Composite Lumber Core (SCLC), Add	*251.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*301.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*419.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*670.61*	
		For >50 To 100, Deduct	*-36.63*	
		For >100, Deduct	*-53.50*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	508.19	50.97
		For 7 Ply Cold Press Construction, Deduct	*-8.12*	
		For Stave Lumber Core (SLC), Add	*304.68*	
		For Structural Composite Lumber Core (SCLC), Add	*182.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.49*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-40.66*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	508.19	50.97
		For 7 Ply Cold Press Construction, Deduct	*-8.12*	
		For Stave Lumber Core (SLC), Add	*304.68*	
		For Structural Composite Lumber Core (SCLC), Add	*182.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.49*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-40.66*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	512.93	53.29
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.77*	
		For Structural Composite Lumber Core (SCLC), Add	*182.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.63*	
		For >50 To 100, Deduct	*-28.31*	
		For >100, Deduct	*-41.13*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	517.13	53.29
		For 7 Ply Cold Press Construction, Deduct	*-8.21*	
		For Stave Lumber Core (SLC), Add	*307.92*	
		For Structural Composite Lumber Core (SCLC), Add	*184.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*492.67*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-41.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	528.07	53.29
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.13*	
		For Structural Composite Lumber Core (SCLC), Add	*189.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*505.80*	
		For >50 To 100, Deduct	*-29.07*	
		For >100, Deduct	*-42.27*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	543.65	55.61
		For 7 Ply Cold Press Construction, Deduct	*-8.65*	
		For Stave Lumber Core (SLC), Add	*324.33*	
		For Structural Composite Lumber Core (SCLC), Add	*194.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*233.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*324.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*518.93*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-43.55*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	572.06	55.61
		For 7 Ply Cold Press Construction, Deduct	*-9.22*	
		For Stave Lumber Core (SLC), Add	*345.64*	
		For Structural Composite Lumber Core (SCLC), Add	*207.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*248.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*345.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*553.02*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-45.68*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	696.55	57.92
		For 7 Ply Cold Press Construction, Deduct	*-11.61*	
		For Stave Lumber Core (SLC), Add	*435.53*	
		For Structural Composite Lumber Core (SCLC), Add	*261.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*313.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*435.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*696.84*	
		For >50 To 100, Deduct	*-37.72*	
		For >100, Deduct	*-55.14*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	725.58	57.92
		For 7 Ply Cold Press Construction, Deduct	*-12.19*	
		For Stave Lumber Core (SLC), Add	*457.30*	
		For Structural Composite Lumber Core (SCLC), Add	*274.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*73.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*329.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*457.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*731.68*	
		For >50 To 100, Deduct	*-39.18*	
		For >100, Deduct	*-57.31*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	783.67	57.92
		For 7 Ply Cold Press Construction, Deduct	*-13.36*	
		For Stave Lumber Core (SLC), Add	*500.87*	
		For Structural Composite Lumber Core (SCLC), Add	*300.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*80.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*360.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*500.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*801.38*	
		For >50 To 100, Deduct	*-42.08*	
		For >100, Deduct	*-61.67*	

08 14 16 00-0565 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	231.06	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*69.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*96.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*154.93*	
		For >50 To 100, Deduct	*-14.10*	
		For >100, Deduct	*-19.88*	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	231.06	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*69.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*96.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*154.93*	
		For >50 To 100, Deduct	*-14.10*	
		For >100, Deduct	*-19.88*	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	236.06	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*69.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*97.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*155.39*	
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	239.78	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*71.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*99.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*159.85*	
		For >50 To 100, Deduct	*-14.65*	
		For >100, Deduct	*-20.65*	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	241.12	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*100.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.46*	
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-20.75*	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	247.11	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*73.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*101.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*163.08*	
		For >50 To 100, Deduct	*-15.14*	
		For >100, Deduct	*-21.31*	
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	259.39	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*80.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*111.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*177.82*	
		For >50 To 100, Deduct	*-15.75*	
		For >100, Deduct	*-22.23*	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.59	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*85.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*190.49*	
		For >50 To 100, Deduct	*-16.63*	
		For >100, Deduct	*-23.49*	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	282.54	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*200.03*	
		For >50 To 100, Deduct	*-17.02*	
		For >100, Deduct	*-24.09*	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	298.42	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.08*	
		For >50 To 100, Deduct	*-17.82*	
		For >100, Deduct	*-25.28*	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	238.57	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*73.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*102.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*163.94*	
		For >50 To 100, Deduct	*-14.48*	
		For >100, Deduct	*-20.44*	
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	238.57	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*73.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*102.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*163.94*	
		For >50 To 100, Deduct	*-14.48*	
		For >100, Deduct	*-20.44*	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.59	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*73.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*102.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*164.42*	
		For >50 To 100, Deduct	*-14.84*	
		For >100, Deduct	*-20.93*	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	247.52	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*76.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*105.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*169.14*	
		For >50 To 100, Deduct	*-15.04*	
		For >100, Deduct	*-21.23*	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	248.96	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*76.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*106.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*170.87*	
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-21.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	255.01	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*172.56*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-21.91*	
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	268.01	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*117.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*188.16*	
		For >50 To 100, Deduct	*-16.18*	
		For >100, Deduct	*-22.88*	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.84	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*201.59*	
		For >50 To 100, Deduct	*-17.09*	
		For >100, Deduct	*-24.18*	
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	292.23	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*211.66*	
		For >50 To 100, Deduct	*-17.51*	
		For >100, Deduct	*-24.81*	
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	309.04	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*231.83*	
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-26.07*	
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	265.20	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*195.90*	
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.44*	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	265.20	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*195.90*	
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.44*	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	270.30	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*196.48*	
		For >50 To 100, Deduct	*-16.18*	
		For >100, Deduct	*-22.94*	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	275.01	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.13*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-23.29*	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	276.73	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.19*	
		For >50 To 100, Deduct	*-16.50*	
		For >100, Deduct	*-23.42*	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.06	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*128.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*206.22*	
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-24.01*	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	298.59	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*224.86*	
		For >50 To 100, Deduct	*-17.71*	
		For >100, Deduct	*-25.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.59	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.89*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-26.64*	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.62	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.92*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.39*	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	346.72	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.15*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.04*	
		For >50 To 100, Deduct	*-20.23*	
		For >100, Deduct	*-28.90*	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	236.54	50.97
		For Stave Lumber Core (SLC), Add	*100.94*	
		For Structural Composite Lumber Core (SCLC), Add	*60.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.15*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.29*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	236.54	50.97
		For Stave Lumber Core (SLC), Add	*100.94*	
		For Structural Composite Lumber Core (SCLC), Add	*60.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.15*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.29*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	248.96	53.29
		For Stave Lumber Core (SLC), Add	*106.79*	
		For Structural Composite Lumber Core (SCLC), Add	*64.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-21.34*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.73	53.29
		For Stave Lumber Core (SLC), Add	*112.62*	
		For Structural Composite Lumber Core (SCLC), Add	*67.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.02*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.92*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	258.18	53.29
		For Stave Lumber Core (SLC), Add	*113.71*	
		For Structural Composite Lumber Core (SCLC), Add	*68.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.19*	
		For >50 To 100, Deduct	*-15.57*	
		For >100, Deduct	*-22.03*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	264.29	55.61
		For Stave Lumber Core (SLC), Add	*114.81*	
		For Structural Composite Lumber Core (SCLC), Add	*68.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.37*	
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.60*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.16	55.61
		For Stave Lumber Core (SLC), Add	*127.46*	
		For Structural Composite Lumber Core (SCLC), Add	*76.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.39*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-23.87*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	316.61	57.92
		For Stave Lumber Core (SLC), Add	*150.57*	
		For Structural Composite Lumber Core (SCLC), Add	*90.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-26.64*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	326.66	57.92
		For Stave Lumber Core (SLC), Add	*158.11*	
		For Structural Composite Lumber Core (SCLC), Add	*94.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.30*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.40*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	346.72	57.92
		For Stave Lumber Core (SLC), Add	*173.15*	
		For Structural Composite Lumber Core (SCLC), Add	*103.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.70*	
		For >50 To 100, Deduct	*-20.23*	
		For >100, Deduct	*-28.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	244.38	50.97
		For Stave Lumber Core (SLC), Add	*106.82*	
		For Structural Composite Lumber Core (SCLC), Add	*64.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-20.88*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	244.38	50.97
		For Stave Lumber Core (SLC), Add	*106.82*	
		For Structural Composite Lumber Core (SCLC), Add	*64.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-20.88*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	257.25	53.29
		For Stave Lumber Core (SLC), Add	*113.01*	
		For Structural Composite Lumber Core (SCLC), Add	*67.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.08*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-21.96*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	265.48	53.29
		For Stave Lumber Core (SLC), Add	*119.18*	
		For Structural Composite Lumber Core (SCLC), Add	*71.51*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.07*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.58*	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.01	53.29
		For Stave Lumber Core (SLC), Add	*120.33*	
		For Structural Composite Lumber Core (SCLC), Add	*72.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.25*	
		For >50 To 100, Deduct	*-16.01*	
		For >100, Deduct	*-22.69*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.20	55.61
		For Stave Lumber Core (SLC), Add	*121.49*	
		For Structural Composite Lumber Core (SCLC), Add	*72.90*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.44*	
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-23.27*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	291.05	55.61
		For Stave Lumber Core (SLC), Add	*134.88*	
		For Structural Composite Lumber Core (SCLC), Add	*80.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.58*	
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-24.61*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	328.30	57.92
		For Stave Lumber Core (SLC), Add	*159.34*	
		For Structural Composite Lumber Core (SCLC), Add	*95.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.49*	
		For >50 To 100, Deduct	*-19.31*	
		For >100, Deduct	*-27.52*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	338.92	57.92
		For Stave Lumber Core (SLC), Add	*167.30*	
		For Structural Composite Lumber Core (SCLC), Add	*100.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.77*	
		For >50 To 100, Deduct	*-19.84*	
		For >100, Deduct	*-28.32*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	360.16	57.92
		For Stave Lumber Core (SLC), Add	*183.23*	
		For Structural Composite Lumber Core (SCLC), Add	*109.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.32*	
		For >50 To 100, Deduct	*-20.90*	
		For >100, Deduct	*-29.91*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	272.15	50.97
		For Stave Lumber Core (SLC), Add	*127.65*	
		For Structural Composite Lumber Core (SCLC), Add	*76.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For >50 To 100, Deduct	*-16.16*	
		For >100, Deduct	*-22.96*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	272.15	50.97
		For Stave Lumber Core (SLC), Add	*127.65*	
		For Structural Composite Lumber Core (SCLC), Add	*76.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For >50 To 100, Deduct	*-16.16*	
		For >100, Deduct	*-22.96*	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	286.63	53.29
		For Stave Lumber Core (SLC), Add	*135.05*	
		For Structural Composite Lumber Core (SCLC), Add	*81.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.61*	
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-24.16*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.48	53.29
		For Stave Lumber Core (SLC), Add	*142.43*	
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.79*	
		For >50 To 100, Deduct	*-17.49*	
		For >100, Deduct	*-24.90*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.30	53.29
		For Stave Lumber Core (SLC), Add	*143.80*	
		For Structural Composite Lumber Core (SCLC), Add	*86.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.01*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-25.04*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	304.80	55.61
		For Stave Lumber Core (SLC), Add	*145.19*	
		For Structural Composite Lumber Core (SCLC), Add	*87.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.23*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.64*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	326.12	55.61
		For Stave Lumber Core (SLC), Add	*161.18*	
		For Structural Composite Lumber Core (SCLC), Add	*96.71*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.79*	
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-27.24*	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	369.71	57.92
		For Stave Lumber Core (SLC), Add	*190.40*	
		For Structural Composite Lumber Core (SCLC), Add	*114.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.62*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	382.43	57.92
		For Stave Lumber Core (SLC), Add	*199.94*	
		For Structural Composite Lumber Core (SCLC), Add	*119.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.99*	
		For >50 To 100, Deduct	*-22.02*	
		For >100, Deduct	*-31.58*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	407.80	57.92
		For Stave Lumber Core (SLC), Add	*218.96*	
		For Structural Composite Lumber Core (SCLC), Add	*131.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.03*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-33.48*	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*

08 14 16 00-0628	EA	Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes any standard manufacturer color on six sides.	40.62	
		For Custom Color To Match Non Standard Manufacturer Finish, Add	*13.53*	

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	522.09	113.99
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	559.29	125.11
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	602.40	138.08
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	628.75	142.72
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	674.53	157.08
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	727.57	162.18

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	191.74	50.97
		For Structural Composite Lumber Core (SCLC), Add	*40.41*	
		For 5 Ply Construction, Add	*3.14*	
		For >50 To 100, Deduct	*-12.14*	
		For >100, Deduct	*-16.93*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	191.74	50.97
		For Structural Composite Lumber Core (SCLC), Add	*40.41*	
		For 5 Ply Construction, Add	*3.14*	
		For >50 To 100, Deduct	*-12.14*	
		For >100, Deduct	*-16.93*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	201.30	53.29
		For Structural Composite Lumber Core (SCLC), Add	*42.63*	
		For 5 Ply Construction, Add	*3.32*	
		For >50 To 100, Deduct	*-12.73*	
		For >100, Deduct	*-17.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	206.24	53.29
		For Structural Composite Lumber Core (SCLC), Add	*44.85*	
		For 5 Ply Construction, Add	*3.49*	
		For >50 To 100, Deduct	*-12.98*	
		For >100, Deduct	*-18.13*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	208.73	53.29
		For Structural Composite Lumber Core (SCLC), Add	*45.97*	
		For 5 Ply Construction, Add	*3.58*	
		For >50 To 100, Deduct	*-13.10*	
		For >100, Deduct	*-18.32*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	215.85	55.61
		For Structural Composite Lumber Core (SCLC), Add	*47.09*	
		For 5 Ply Construction, Add	*3.66*	
		For >50 To 100, Deduct	*-13.57*	
		For >100, Deduct	*-18.97*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	227.35	55.61
		For Structural Composite Lumber Core (SCLC), Add	*52.26*	
		For 5 Ply Construction, Add	*4.06*	
		For >50 To 100, Deduct	*-14.15*	
		For >100, Deduct	*-19.83*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	239.43	57.92
		For Structural Composite Lumber Core (SCLC), Add	*55.61*	
		For 5 Ply Construction, Add	*4.33*	
		For >50 To 100, Deduct	*-14.87*	
		For >100, Deduct	*-20.85*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	196.97	50.97
		For Structural Composite Lumber Core (SCLC), Add	*42.76*	
		For 5 Ply Construction, Add	*3.33*	
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-17.32*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	196.96	50.97
		For Structural Composite Lumber Core (SCLC), Add	*42.75*	
		For 5 Ply Construction, Add	*3.33*	
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-17.32*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	206.81	53.29
		For Structural Composite Lumber Core (SCLC), Add	*45.11*	
		For 5 Ply Construction, Add	*3.51*	
		For >50 To 100, Deduct	*-13.00*	
		For >100, Deduct	*-18.18*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	212.04	53.29
		For Structural Composite Lumber Core (SCLC), Add	*47.46*	
		For 5 Ply Construction, Add	*3.69*	
		For >50 To 100, Deduct	*-13.27*	
		For >100, Deduct	*-18.57*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	214.67	53.29
		For Structural Composite Lumber Core (SCLC), Add	*48.65*	
		For 5 Ply Construction, Add	*3.78*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-18.76*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	221.94	55.61
		For Structural Composite Lumber Core (SCLC), Add	*49.83*	
		For 5 Ply Construction, Add	*3.88*	
		For >50 To 100, Deduct	*-13.88*	
		For >100, Deduct	*-19.43*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	234.11	55.61
		For Structural Composite Lumber Core (SCLC), Add	*55.31*	
		For 5 Ply Construction, Add	*4.30*	
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.34*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	246.62	57.92
		For Structural Composite Lumber Core (SCLC), Add	*58.85*	
		For 5 Ply Construction, Add	*4.58*	
		For >50 To 100, Deduct	*-15.23*	
		For >100, Deduct	*-21.39*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	215.49	50.97
		For Structural Composite Lumber Core (SCLC), Add	*51.09*	
		For 5 Ply Construction, Add	*3.97*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	215.49	50.97
		For Structural Composite Lumber Core (SCLC), Add	*51.09*	
		For 5 Ply Construction, Add	*3.97*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.71*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	226.36	53.29
		For Structural Composite Lumber Core (SCLC), Add	*53.91*	
		For 5 Ply Construction, Add	*4.19*	
		For >50 To 100, Deduct	*-13.98*	
		For >100, Deduct	*-19.64*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	232.61	53.29
		For Structural Composite Lumber Core (SCLC), Add	*56.72*	
		For 5 Ply Construction, Add	*4.41*	
		For >50 To 100, Deduct	*-14.29*	
		For >100, Deduct	*-20.11*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	235.75	53.29
		For Structural Composite Lumber Core (SCLC), Add	*58.13*	
		For 5 Ply Construction, Add	*4.52*	
		For >50 To 100, Deduct	*-14.45*	
		For >100, Deduct	*-20.35*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	243.53	55.61
		For Structural Composite Lumber Core (SCLC), Add	*59.54*	
		For 5 Ply Construction, Add	*4.63*	
		For >50 To 100, Deduct	*-14.96*	
		For >100, Deduct	*-21.05*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	258.08	55.61
		For Structural Composite Lumber Core (SCLC), Add	*66.09*	
		For 5 Ply Construction, Add	*5.14*	
		For >50 To 100, Deduct	*-15.68*	
		For >100, Deduct	*-22.14*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	272.12	57.92
		For Structural Composite Lumber Core (SCLC), Add	*70.32*	
		For 5 Ply Construction, Add	*5.47*	
		For >50 To 100, Deduct	*-16.50*	
		For >100, Deduct	*-23.31*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	254.93	50.97
		For 5 Ply Construction, Add	*5.35*	
		For Stave Lumber Core (SLC), Add	*114.74*	
		For Structural Composite Lumber Core (SCLC), Add	*68.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*183.58*	
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.67*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	254.92	50.97
		For 5 Ply Construction, Add	*5.35*	
		For Stave Lumber Core (SLC), Add	*114.73*	
		For Structural Composite Lumber Core (SCLC), Add	*68.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*183.56*	
		For >50 To 100, Deduct	*-15.29*	
		For >100, Deduct	*-21.67*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	264.33	53.29
		For 5 Ply Construction, Add	*5.52*	
		For Stave Lumber Core (SLC), Add	*118.32*	
		For Structural Composite Lumber Core (SCLC), Add	*70.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*85.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*118.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*189.31*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	264.33	53.29
		For 5 Ply Construction, Add	*5.52*	
		For Stave Lumber Core (SLC), Add	*118.32*	
		For Structural Composite Lumber Core (SCLC), Add	*70.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*85.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*118.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*189.31*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.49*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.80	53.29
		For 5 Ply Construction, Add	*5.85*	
		For Stave Lumber Core (SLC), Add	*125.42*	
		For Structural Composite Lumber Core (SCLC), Add	*75.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*200.68*	
		For >50 To 100, Deduct	*-16.35*	
		For >100, Deduct	*-23.20*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	287.91	55.61
		For 5 Ply Construction, Add	*6.18*	
		For Stave Lumber Core (SLC), Add	*132.53*	
		For Structural Composite Lumber Core (SCLC), Add	*79.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*212.04*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-24.37*	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	297.60	55.61
		For 5 Ply Construction, Add	*6.52*	
		For Stave Lumber Core (SLC), Add	*139.79*	
		For Structural Composite Lumber Core (SCLC), Add	*83.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*223.67*	
		For >50 To 100, Deduct	*-17.66*	
		For >100, Deduct	*-25.10*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	307.07	57.92
		For 5 Ply Construction, Add	*6.69*	
		For Stave Lumber Core (SLC), Add	*143.42*	
		For Structural Composite Lumber Core (SCLC), Add	*86.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*229.46*	
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-25.93*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	316.63	57.92
		For 5 Ply Construction, Add	*7.03*	
		For Stave Lumber Core (SLC), Add	*150.59*	
		For Structural Composite Lumber Core (SCLC), Add	*90.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.94*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-26.64*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	345.01	62.56
		For 5 Ply Construction, Add	*7.70*	
		For Stave Lumber Core (SLC), Add	*164.93*	
		For Structural Composite Lumber Core (SCLC), Add	*98.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.88*	
		For >50 To 100, Deduct	*-20.38*	
		For >100, Deduct	*-29.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	263.83	50.97
		For 5 Ply Construction, Add	*5.67*	
		For Stave Lumber Core (SLC), Add	*121.41*	
		For Structural Composite Lumber Core (SCLC), Add	*72.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.26*	
		For >50 To 100, Deduct	*-15.74*	
		For >100, Deduct	*-22.34*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	263.82	50.97
		For 5 Ply Construction, Add	*5.67*	
		For Stave Lumber Core (SLC), Add	*121.40*	
		For Structural Composite Lumber Core (SCLC), Add	*72.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.24*	
		For >50 To 100, Deduct	*-15.74*	
		For >100, Deduct	*-22.34*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.51	53.29
		For 5 Ply Construction, Add	*5.84*	
		For Stave Lumber Core (SLC), Add	*125.21*	
		For Structural Composite Lumber Core (SCLC), Add	*75.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*200.33*	
		For >50 To 100, Deduct	*-16.34*	
		For >100, Deduct	*-23.18*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.51	53.29
		For 5 Ply Construction, Add	*5.84*	
		For Stave Lumber Core (SLC), Add	*125.21*	
		For Structural Composite Lumber Core (SCLC), Add	*75.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*200.33*	
		For >50 To 100, Deduct	*-16.34*	
		For >100, Deduct	*-23.18*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	283.53	53.29
		For 5 Ply Construction, Add	*6.19*	
		For Stave Lumber Core (SLC), Add	*132.72*	
		For Structural Composite Lumber Core (SCLC), Add	*79.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*212.35*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-23.93*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	298.20	55.61
		For 5 Ply Construction, Add	*6.54*	
		For Stave Lumber Core (SLC), Add	*140.24*	
		For Structural Composite Lumber Core (SCLC), Add	*84.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*224.39*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-25.15*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	308.44	55.61
		For 5 Ply Construction, Add	*6.90*	
		For Stave Lumber Core (SLC), Add	*147.92*	
		For Structural Composite Lumber Core (SCLC), Add	*88.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.68*	
		For >50 To 100, Deduct	*-18.20*	
		For >100, Deduct	*-25.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	318.20	57.92
		For 5 Ply Construction, Add	*7.08*	
		For Stave Lumber Core (SLC), Add	*151.76*	
		For Structural Composite Lumber Core (SCLC), Add	*91.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.82*	
		For >50 To 100, Deduct	*-18.81*	
		For >100, Deduct	*-26.76*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	328.31	57.92
		For 5 Ply Construction, Add	*7.44*	
		For Stave Lumber Core (SLC), Add	*159.35*	
		For Structural Composite Lumber Core (SCLC), Add	*95.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.95*	
		For >50 To 100, Deduct	*-19.31*	
		For >100, Deduct	*-27.52*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	357.81	62.56
		For 5 Ply Construction, Add	*8.14*	
		For Stave Lumber Core (SLC), Add	*174.53*	
		For Structural Composite Lumber Core (SCLC), Add	*104.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*174.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*279.24*	
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-29.96*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	295.40	50.97
		For 5 Ply Construction, Add	*6.77*	
		For Stave Lumber Core (SLC), Add	*145.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.14*	
		For >50 To 100, Deduct	*-17.32*	
		For >100, Deduct	*-24.70*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	295.39	50.97
		For 5 Ply Construction, Add	*6.77*	
		For Stave Lumber Core (SLC), Add	*145.08*	
		For Structural Composite Lumber Core (SCLC), Add	*87.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.13*	
		For >50 To 100, Deduct	*-17.32*	
		For >100, Deduct	*-24.70*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	306.06	53.29
		For 5 Ply Construction, Add	*6.98*	
		For Stave Lumber Core (SLC), Add	*149.62*	
		For Structural Composite Lumber Core (SCLC), Add	*89.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.39*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.62*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	306.06	53.29
		For 5 Ply Construction, Add	*6.98*	
		For Stave Lumber Core (SLC), Add	*149.62*	
		For Structural Composite Lumber Core (SCLC), Add	*89.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.39*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	318.04	53.29
		For 5 Ply Construction, Add	*7.40*	
		For Stave Lumber Core (SLC), Add	*158.60*	
		For Structural Composite Lumber Core (SCLC), Add	*95.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.76*	
		For >50 To 100, Deduct	*-18.57*	
		For >100, Deduct	*-26.52*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	334.66	55.61
		For 5 Ply Construction, Add	*7.82*	
		For Stave Lumber Core (SLC), Add	*167.59*	
		For Structural Composite Lumber Core (SCLC), Add	*100.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.14*	
		For >50 To 100, Deduct	*-19.51*	
		For >100, Deduct	*-27.88*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	346.90	55.61
		For 5 Ply Construction, Add	*8.25*	
		For Stave Lumber Core (SLC), Add	*176.77*	
		For Structural Composite Lumber Core (SCLC), Add	*106.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*282.83*	
		For >50 To 100, Deduct	*-20.13*	
		For >100, Deduct	*-28.80*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	357.66	57.92
		For 5 Ply Construction, Add	*8.46*	
		For Stave Lumber Core (SLC), Add	*181.36*	
		For Structural Composite Lumber Core (SCLC), Add	*108.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.17*	
		For >50 To 100, Deduct	*-20.78*	
		For >100, Deduct	*-29.72*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	369.74	57.92
		For 5 Ply Construction, Add	*8.89*	
		For Stave Lumber Core (SLC), Add	*190.42*	
		For Structural Composite Lumber Core (SCLC), Add	*114.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.67*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.63*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	403.19	62.56
		For 5 Ply Construction, Add	*9.73*	
		For Stave Lumber Core (SLC), Add	*208.56*	
		For Structural Composite Lumber Core (SCLC), Add	*125.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.70*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-33.37*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	178.77	50.97
		For >50 To 100, Deduct	*-11.49*	
		For >100, Deduct	*-15.96*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	178.77	50.97
		For >50 To 100, Deduct	*-11.49*	
		For >100, Deduct	*-15.96*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	188.99	53.29
		For >50 To 100, Deduct	*-12.11*	
		For >100, Deduct	*-16.84*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	191.66	53.29
		For >50 To 100, Deduct	*-12.25*	
		For >100, Deduct	*-17.04*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	194.31	53.29
		For >50 To 100, Deduct	*-12.38*	
		For >100, Deduct	*-17.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	201.61	55.61
		For >50 To 100, Deduct	*-12.86*	
		For >100, Deduct	*-17.90*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	211.54	55.61
		For >50 To 100, Deduct	*-13.36*	
		For >100, Deduct	*-18.65*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	222.61	57.92
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.59*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	183.24	50.97
		For >50 To 100, Deduct	*-11.71*	
		For >100, Deduct	*-16.29*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	183.24	50.97
		For >50 To 100, Deduct	*-11.71*	
		For >100, Deduct	*-16.29*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	193.79	53.29
		For >50 To 100, Deduct	*-12.35*	
		For >100, Deduct	*-17.20*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	196.60	53.29
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-17.41*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	199.41	53.29
		For >50 To 100, Deduct	*-12.63*	
		For >100, Deduct	*-17.62*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	206.87	55.61
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-18.30*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	217.37	55.61
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-19.08*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	228.81	57.92
		For >50 To 100, Deduct	*-14.34*	
		For >100, Deduct	*-20.06*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	199.10	50.97
		For >50 To 100, Deduct	*-12.50*	
		For >100, Deduct	*-17.48*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	199.10	50.97
		For >50 To 100, Deduct	*-12.50*	
		For >100, Deduct	*-17.48*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	210.81	53.29
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-18.48*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	214.16	53.29
		For >50 To 100, Deduct	*-13.37*	
		For >100, Deduct	*-18.73*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	217.53	53.29
		For >50 To 100, Deduct	*-13.54*	
		For >100, Deduct	*-18.98*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	225.52	55.61
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-19.69*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	238.07	55.61
		For >50 To 100, Deduct	*-14.68*	
		For >100, Deduct	*-20.64*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	250.84	57.92
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-21.71*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	197.67	50.97
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-17.37*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	197.67	50.97
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-17.37*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	204.94	53.29
		For >50 To 100, Deduct	*-12.91*	
		For >100, Deduct	*-18.03*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	210.27	53.29
		For >50 To 100, Deduct	*-13.18*	
		For >100, Deduct	*-18.43*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	212.94	53.29
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.63*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	220.20	55.61
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.30*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	226.28	55.61
		For >50 To 100, Deduct	*-14.09*	
		For >100, Deduct	*-19.75*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	250.69	57.92
		For >50 To 100, Deduct	*-15.43*	
		For >100, Deduct	*-21.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	257.43	57.92
		For >50 To 100, Deduct	*-15.77*	
		For >100, Deduct	*-22.20*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	270.93	57.92
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-23.22*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	203.23	50.97
		For >50 To 100, Deduct	*-12.71*	
		For >100, Deduct	*-17.79*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	203.23	50.97
		For >50 To 100, Deduct	*-12.71*	
		For >100, Deduct	*-17.79*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	210.66	53.29
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-18.46*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	216.31	53.29
		For >50 To 100, Deduct	*-13.48*	
		For >100, Deduct	*-18.89*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	219.12	53.29
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.10*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	226.55	55.61
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-19.77*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	232.98	55.61
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-20.25*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	258.55	57.92
		For >50 To 100, Deduct	*-15.82*	
		For >100, Deduct	*-22.29*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	265.68	57.92
		For >50 To 100, Deduct	*-16.18*	
		For >100, Deduct	*-22.82*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	279.95	57.92
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-23.89*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	222.98	50.97
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.27*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	222.98	50.97
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.27*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	230.97	53.29
		For >50 To 100, Deduct	*-14.21*	
		For >100, Deduct	*-19.99*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	237.71	53.29
		For >50 To 100, Deduct	*-14.55*	
		For >100, Deduct	*-20.49*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	241.06	53.29
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-20.74*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	249.05	55.61
		For >50 To 100, Deduct	*-15.23*	
		For >100, Deduct	*-21.46*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	256.72	55.61
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-22.03*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	286.38	57.92
		For >50 To 100, Deduct	*-17.22*	
		For >100, Deduct	*-24.37*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	294.90	57.92
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-25.01*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	311.96	57.92
		For >50 To 100, Deduct	*-18.49*	
		For >100, Deduct	*-26.29*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	209.06	50.97
		For >50 To 100, Deduct	*-13.00*	
		For >100, Deduct	*-18.23*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	209.06	50.97
		For >50 To 100, Deduct	*-13.00*	
		For >100, Deduct	*-18.23*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	219.91	53.29
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-19.16*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	226.11	53.29
		For >50 To 100, Deduct	*-13.97*	
		For >100, Deduct	*-19.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	227.25	53.29
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.71*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	233.04	55.61
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-20.26*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	246.49	55.61
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-21.27*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	275.63	57.92
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.57*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	215.31	50.97
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.70*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	215.31	50.97
		For >50 To 100, Deduct	*-13.31*	
		For >100, Deduct	*-18.70*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	226.50	53.29
		For >50 To 100, Deduct	*-13.99*	
		For >100, Deduct	*-19.65*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	233.06	53.29
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-20.14*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	234.28	53.29
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.24*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	240.14	55.61
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-20.79*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	254.36	55.61
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.86*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	284.93	57.92
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-24.27*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	237.41	50.97
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.35*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	237.41	50.97
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.35*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	249.89	53.29
		For >50 To 100, Deduct	*-15.16*	
		For >100, Deduct	*-21.41*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	257.73	53.29
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-21.99*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	259.17	53.29
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-22.10*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	265.28	55.61
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-22.68*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	282.28	55.61
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-23.95*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	317.92	57.92
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.74*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	236.54	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*100.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.51*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.29*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	236.54	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*100.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.51*	
		For >50 To 100, Deduct	*-14.38*	
		For >100, Deduct	*-20.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	248.96	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*76.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*106.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*170.87*	
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-21.34*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	256.73	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*112.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*180.19*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-21.92*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	258.18	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*113.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*181.93*	
		For >50 To 100, Deduct	*-15.57*	
		For >100, Deduct	*-22.03*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	264.29	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*183.70*	
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.60*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	281.16	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*203.94*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-23.87*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	316.61	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.91*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-26.64*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	326.66	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.97*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.40*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	346.72	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.15*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.04*	
		For >50 To 100, Deduct	*-20.23*	
		For >100, Deduct	*-28.90*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	244.38	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*76.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*106.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*170.92*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-20.88*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	244.38	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*76.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*106.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*170.92*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-20.88*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	257.25	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*113.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*180.82*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-21.96*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	265.48	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*85.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*190.69*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	267.01	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*192.53*	
		For >50 To 100, Deduct	*-16.01*	
		For >100, Deduct	*-22.69*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	273.20	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.39*	
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-23.27*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	291.05	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*134.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*215.81*	
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-24.61*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	328.30	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.94*	
		For >50 To 100, Deduct	*-19.31*	
		For >100, Deduct	*-27.52*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	338.92	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*267.68*	
		For >50 To 100, Deduct	*-19.84*	
		For >100, Deduct	*-28.32*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	360.16	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.17*	
		For >50 To 100, Deduct	*-20.90*	
		For >100, Deduct	*-29.91*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	272.15	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.24*	
		For >50 To 100, Deduct	*-16.16*	
		For >100, Deduct	*-22.96*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	272.15	50.97
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.24*	
		For >50 To 100, Deduct	*-16.16*	
		For >100, Deduct	*-22.96*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	286.63	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.07*	
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-24.16*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	296.48	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.89*	
		For >50 To 100, Deduct	*-17.49*	
		For >100, Deduct	*-24.90*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	298.30	53.29
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.08*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-25.04*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	304.80	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.31*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	326.12	55.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*257.89*	
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-27.24*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	369.71	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.63*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.62*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	382.43	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*199.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*319.90*	
		For >50 To 100, Deduct	*-22.02*	
		For >100, Deduct	*-31.58*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	407.80	57.92
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*157.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*218.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*350.34*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-33.48*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	389.65	133.46
08 14 66 00-0003	EA	3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	410.24	148.28
08 14 66 00-0004	EA	2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	389.65	133.46
08 14 66 00-0005	EA	3' x 7' Wood Screen Door, Residential, With Frame, Trim, Hardware	410.24	148.28

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	406.05	32.44
		For Oak, Add	*94.17*	
		For Ash/Hickory, Add	*137.16*	
		For Walnut, Add	*199.94*	
		For Cherry, Add	*325.15*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	418.95	34.75
		For Oak, Add	*96.45*	
		For Ash/Hickory, Add	*140.48*	
		For Walnut, Add	*204.78*	
		For Cherry, Add	*333.04*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	433.92	37.07
		For Oak, Add	*99.30*	
		For Ash/Hickory, Add	*144.64*	
		For Walnut, Add	*210.84*	
		For Cherry, Add	*342.89*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	444.75	39.39
		For Oak, Add	*101.02*	
		For Ash/Hickory, Add	*147.13*	
		For Walnut, Add	*214.48*	
		For Cherry, Add	*348.80*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	459.74	41.70
		For Oak, Add	*103.87*	
		For Ash/Hickory, Add	*151.29*	
		For Walnut, Add	*220.54*	
		For Cherry, Add	*358.65*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	472.64	44.02
		For Oak, Add	*106.15*	
		For Ash/Hickory, Add	*154.61*	
		For Walnut, Add	*225.38*	
		For Cherry, Add	*366.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	798.22	57.92
		For Oak, Add	*188.33*	
		For Ash/Hickory, Add	*274.31*	
		For Walnut, Add	*399.87*	
		For Cherry, Add	*650.30*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	844.69	62.56
		For Oak, Add	*198.61*	
		For Ash/Hickory, Add	*289.28*	
		For Walnut, Add	*421.68*	
		For Cherry, Add	*685.77*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	903.61	67.19
		For Oak, Add	*212.30*	
		For Ash/Hickory, Add	*309.23*	
		For Walnut, Add	*450.76*	
		For Cherry, Add	*733.07*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	478.42	32.44
		For Oak, Add	*96.77*	
		For Ash/Hickory, Add	*96.77*	
		For Walnut, Add	*159.22*	
		For Cherry, Add	*299.00*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	501.66	34.75
		For Oak, Add	*101.13*	
		For Ash/Hickory, Add	*101.13*	
		For Walnut, Add	*166.39*	
		For Cherry, Add	*312.46*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	518.70	37.07
		For Oak, Add	*104.03*	
		For Ash/Hickory, Add	*104.03*	
		For Walnut, Add	*171.16*	
		For Cherry, Add	*321.43*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	533.67	39.39
		For Oak, Add	*106.45*	
		For Ash/Hickory, Add	*106.45*	
		For Walnut, Add	*175.14*	
		For Cherry, Add	*328.91*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	546.59	41.70
		For Oak, Add	*108.39*	
		For Ash/Hickory, Add	*108.39*	
		For Walnut, Add	*178.33*	
		For Cherry, Add	*334.89*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	563.62	44.02
		For Oak, Add	*111.29*	
		For Ash/Hickory, Add	*111.29*	
		For Walnut, Add	*183.10*	
		For Cherry, Add	*343.85*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	942.97	57.92
		For Oak, Add	*193.55*	
		For Ash/Hickory, Add	*193.55*	
		For Walnut, Add	*318.44*	
		For Cherry, Add	*598.01*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,014.25	62.56
		For Oak, Add	*208.06*	
		For Ash/Hickory, Add	*208.06*	
		For Walnut, Add	*342.32*	
		For Cherry, Add	*642.86*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,085.58	67.19
		For Oak, Add	*222.58*	
		For Ash/Hickory, Add	*222.58*	
		For Walnut, Add	*366.21*	
		For Cherry, Add	*687.71*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	602.49	32.44
		For Oak, Add	*125.81*	
		For Ash/Hickory, Add	*125.81*	
		For Walnut, Add	*206.99*	
		For Cherry, Add	*388.71*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	631.93	34.75
		For Oak, Add	*131.61*	
		For Ash/Hickory, Add	*131.61*	
		For Walnut, Add	*216.54*	
		For Cherry, Add	*406.64*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	648.97	37.07
		For Oak, Add	*134.51*	
		For Ash/Hickory, Add	*134.51*	
		For Walnut, Add	*221.32*	
		For Cherry, Add	*415.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	668.07	39.39
		For Oak, Add	*137.90*	
		For Ash/Hickory, Add	*137.90*	
		For Walnut, Add	*226.89*	
		For Cherry, Add	*426.08*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	685.13	41.70
		For Oak, Add	*140.80*	
		For Ash/Hickory, Add	*140.80*	
		For Walnut, Add	*231.67*	
		For Cherry, Add	*435.05*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	702.17	44.02
		For Oak, Add	*143.71*	
		For Ash/Hickory, Add	*143.71*	
		For Walnut, Add	*236.44*	
		For Cherry, Add	*444.02*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,191.11	57.92
		For Oak, Add	*251.61*	
		For Ash/Hickory, Add	*251.61*	
		For Walnut, Add	*413.98*	
		For Cherry, Add	*777.41*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,274.80	62.56
		For Oak, Add	*269.03*	
		For Ash/Hickory, Add	*269.03*	
		For Walnut, Add	*442.63*	
		For Cherry, Add	*831.23*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,362.66	67.19
		For Oak, Add	*287.42*	
		For Ash/Hickory, Add	*287.42*	
		For Walnut, Add	*472.88*	
		For Cherry, Add	*888.04*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	643.84	32.44
		For Oak, Add	*135.48*	
		For Ash/Hickory, Add	*135.48*	
		For Walnut, Add	*222.91*	
		For Cherry, Add	*418.60*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	677.42	34.75
		For Oak, Add	*142.26*	
		For Ash/Hickory, Add	*142.26*	
		For Walnut, Add	*234.05*	
		For Cherry, Add	*439.53*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	696.53	37.07
		For Oak, Add	*145.64*	
		For Ash/Hickory, Add	*145.64*	
		For Walnut, Add	*239.63*	
		For Cherry, Add	*450.00*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	715.63	39.39
		For Oak, Add	*149.03*	
		For Ash/Hickory, Add	*149.03*	
		For Walnut, Add	*245.20*	
		For Cherry, Add	*460.46*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	732.69	41.70
		For Oak, Add	*151.93*	
		For Ash/Hickory, Add	*151.93*	
		For Walnut, Add	*249.98*	
		For Cherry, Add	*469.44*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	751.79	44.02
		For Oak, Add	*155.32*	
		For Ash/Hickory, Add	*155.32*	
		For Walnut, Add	*255.55*	
		For Cherry, Add	*479.90*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,273.82	57.92
		For Oak, Add	*270.96*	
		For Ash/Hickory, Add	*270.96*	
		For Walnut, Add	*445.82*	
		For Cherry, Add	*837.21*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,369.92	62.56
		For Oak, Add	*291.29*	
		For Ash/Hickory, Add	*291.29*	
		For Walnut, Add	*479.26*	
		For Cherry, Add	*900.00*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,461.92	67.19
		For Oak, Add	*310.64*	
		For Ash/Hickory, Add	*310.64*	
		For Walnut, Add	*511.10*	
		For Cherry, Add	*959.80*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	685.20	32.44
		For Oak, Add	*145.16*	
		For Ash/Hickory, Add	*145.16*	
		For Walnut, Add	*238.83*	
		For Cherry, Add	*448.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	718.78	34.75
		For Oak, Add	*151.93*	
		For Ash/Hickory, Add	*151.93*	
		For Walnut, Add	*249.98*	
		For Cherry, Add	*469.44*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	739.95	37.07
		For Oak, Add	*155.80*	
		For Ash/Hickory, Add	*155.80*	
		For Walnut, Add	*256.34*	
		For Cherry, Add	*481.40*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	761.12	39.39
		For Oak, Add	*159.67*	
		For Ash/Hickory, Add	*159.67*	
		For Walnut, Add	*262.71*	
		For Cherry, Add	*493.35*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	778.18	41.70
		For Oak, Add	*162.58*	
		For Ash/Hickory, Add	*162.58*	
		For Walnut, Add	*267.49*	
		For Cherry, Add	*502.33*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	799.35	44.02
		For Oak, Add	*166.45*	
		For Ash/Hickory, Add	*166.45*	
		For Walnut, Add	*273.86*	
		For Cherry, Add	*514.28*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,356.53	57.92
		For Oak, Add	*290.32*	
		For Ash/Hickory, Add	*290.32*	
		For Walnut, Add	*477.66*	
		For Cherry, Add	*897.01*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,456.76	62.56
		For Oak, Add	*311.61*	
		For Ash/Hickory, Add	*311.61*	
		For Walnut, Add	*512.69*	
		For Cherry, Add	*962.79*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,557.04	67.19
		For Oak, Add	*332.90*	
		For Ash/Hickory, Add	*332.90*	
		For Walnut, Add	*547.72*	
		For Cherry, Add	*1,028.58*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	117.52	
		For Oak, Add	*8.04*	
		For Ash/Hickory, Add	*12.60*	
		For Walnut, Add	*27.55*	
		For Cherry, Add	*43.63*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	119.82	
		For Oak, Add	*8.30*	
		For Ash/Hickory, Add	*13.01*	
		For Walnut, Add	*28.44*	
		For Cherry, Add	*45.04*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	134.74	
		For Oak, Add	*9.99*	
		For Ash/Hickory, Add	*15.65*	
		For Walnut, Add	*34.21*	
		For Cherry, Add	*54.19*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	257.33	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	259.68	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	264.38	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	308.99	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	311.33	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	316.03	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	332.46	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	334.81	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	339.51	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	37.38	

08 14 73 00-0071 Bi-Pass Doors *(08 14 73)*

Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	294.00	74.11
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	321.48	78.75
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	349.28	83.38
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	464.69	88.02

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0077		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	277.11	74.11
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	295.15	78.75
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	320.30	83.38
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	430.92	88.02
08 14 73 00-0082		Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	294.48	74.11
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	320.31	78.75
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	347.33	83.38
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	465.64	88.02
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		Bi-Fold Wood Doors *(08 14 76)* Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	152.50	55.59
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	161.77	60.22
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	173.79	64.85
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	183.05	69.49
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	227.55	74.11
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	236.81	78.75
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	251.93	83.38
08 14 76 00-0010		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	159.24	55.59
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	170.72	60.22
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	184.23	64.85
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	193.49	69.49
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	241.99	74.11
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	259.32	78.75
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	277.51	83.38
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	159.56	55.59
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	175.05	60.22
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	188.22	64.85
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	197.48	69.49
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	245.48	74.11
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	256.14	78.75
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	277.51	83.38
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	360.01	55.59
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	409.48	60.22
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	465.47	64.85
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	474.73	69.49
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	645.91	74.11
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	735.58	78.75
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	838.30	83.38
08 14 76 00-0034		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	452.37	55.59
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	490.98	60.22
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	536.10	64.85
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	545.36	69.49
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	830.63	74.11
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	898.57	78.75
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	979.56	83.38
08 14 76 00-0042		Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	154.87	55.59
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	166.92	60.22
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	182.05	64.85
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	186.36	69.49
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	223.64	74.11
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	240.66	78.75
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	266.69	83.38

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors *(08 15)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 00-0001 Laminated Plastic Doors *(08 15 13)*

Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.

08 15 13 00-0002	EA	Door, Plastic Clad 1-3/8", 1/6 X 6/8	263.99	46.34
08 15 13 00-0003	EA	Door, Plastic Clad 1-3/4", 1/6 X 6/8	263.99	46.34
08 15 13 00-0004	EA	Door, Plastic Clad 1-3/8", 1/6 X 7/0	263.99	46.34
08 15 13 00-0005	EA	Door, Plastic Clad 1-3/4", 1/6 X 7/0	263.99	46.34
08 15 13 00-0006	EA	Door, Plastic Clad 1-3/8", 2/0 X 6/8	273.27	50.97
08 15 13 00-0007	EA	Door, Plastic Clad 1-3/4", 2/0 X 6/8	273.27	50.97
08 15 13 00-0008	EA	Door, Plastic Clad 1-3/8", 2/0 X 7/0	273.27	50.97
08 15 13 00-0009	EA	Door, Plastic Clad 1-3/4", 2/0 X 7/0	273.27	50.97
08 15 13 00-0010	EA	Door, Plastic Clad 1-3/8", 2/6 X 6/8	295.58	53.29
08 15 13 00-0011	EA	Door, Plastic Clad 1-3/4", 2/6 X 6/8	295.58	53.29
08 15 13 00-0012	EA	Door, Plastic Clad 1-3/8", 2/6 X 7/0	295.58	50.97
08 15 13 00-0013	EA	Door, Plastic Clad 1-3/4", 2/6 X 7/0	295.58	53.29
08 15 13 00-0014	EA	Door, Plastic Clad 1-3/8", 3/0 X 6/8	317.91	55.61
08 15 13 00-0015	EA	Door, Plastic Clad 1-3/4", 3/0 X 6/8	317.91	55.61
08 15 13 00-0016	EA	Door, Plastic Clad 1-3/8", 3/0 X 7/0	317.91	55.61
08 15 13 00-0017	EA	Door, Plastic Clad 1-3/4", 3/0 X 7/0	317.91	55.61
08 15 13 00-0018	EA	Door, Plastic Clad 1-3/8", 3/6 X 6/8	350.48	57.92
08 15 13 00-0019	EA	Door, Plastic Clad 1-3/4", 3/6 X 6/8	350.48	57.92
08 15 13 00-0020	EA	Door, Plastic Clad 1-3/8", 3/6 X 7/0	350.48	57.92
08 15 13 00-0021	EA	Door, Plastic Clad 1-3/4", 3/6 X 7/0	350.48	57.92
08 15 13 00-0022	EA	Door, Plastic Clad 1-3/8", 4/0 X 6/8	396.06	62.56
08 15 13 00-0023	EA	Door, Plastic Clad 1-3/4", 4/0 X 6/8	396.06	62.56
08 15 13 00-0024	EA	Door, Plastic Clad 1-3/8", 4/0 X 7/0	396.06	62.56
08 15 13 00-0025	EA	Door, Plastic Clad 1-3/4", 4/0 X 7/0	396.06	62.56

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,005.36	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,140.10	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,345.61	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,005.36	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,193.02	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,401.83	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,425.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,764.57	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,597.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,828.51	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,425.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,764.57	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,597.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,828.51	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,425.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,764.57	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,375.81	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,597.65	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,828.51	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,118.92	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,118.92	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.28	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.29	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.38	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.36	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	0.73	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	0.81	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	7.72	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	9.92	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	20.95	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	23.15	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	45.20	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0058		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*		
08 16 13 00-0059		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)* Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*		
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,538.52	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,560.51	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,636.47	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0065		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,538.52	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,627.21	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,636.47	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,591.74	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,715.72	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,610.41	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,773.09	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,591.74	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,715.72	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,610.41	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,773.09	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,591.74	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,715.72	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,539.07	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,610.41	57.92
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,773.09	62.56
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,738.63	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,738.63	55.61
		For Custom Color Finish, Add	*103.09*	
		For Stainless Steel Continuous Hinge, Add	*229.46*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.63	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.65	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.69	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	0.98	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.39	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	0.62	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	5.34	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	6.67	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	21.34	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	76.04	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	29.35	

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 Pre-Hung Interior Door Units *(08 17 23)*

Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0003 Birch Faced *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	308.98	57.92
		For 8' Door Height, Add	*46.35*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	320.85	57.92
		For 8' Door Height, Add	*49.20*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	337.35	60.24
		For 8' Door Height, Add	*52.05*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	345.53	62.56
		For 8' Door Height, Add	*52.90*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	367.05	62.56
		For 8' Door Height, Add	*58.06*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	387.17	64.87
		For 8' Door Height, Add	*61.78*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	576.24	95.00
		For 8' Door Height, Add	*92.70*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	613.90	101.95
		For 8' Door Height, Add	*98.40*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	658.60	108.90
		For 8' Door Height, Add	*105.79*	

08 17 23 00-0013 Lauan Faced *(08 17 23 00-0002)*

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	283.72	57.92
		For 8' Door Height, Add	*40.29*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	295.10	57.92
		For 8' Door Height, Add	*43.02*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	309.32	60.24
		For 8' Door Height, Add	*45.32*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	320.75	62.56
		For 8' Door Height, Add	*46.95*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	339.45	62.56
		For 8' Door Height, Add	*51.44*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	357.78	64.87
		For 8' Door Height, Add	*54.73*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	525.72	95.00
		For 8' Door Height, Add	*80.58*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	562.35	101.95
		For 8' Door Height, Add	*86.03*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	609.10	108.90
		For 8' Door Height, Add	*93.91*	

08 17 23 00-0023 Tempered Hardboard Faced *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	247.44	57.92
		For 8' Door Height, Add	*31.58*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	257.04	57.92
		For 8' Door Height, Add	*33.89*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	266.22	60.24
		For 8' Door Height, Add	*34.98*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	279.96	62.56
		For 8' Door Height, Add	*37.16*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	296.99	62.56
		For 8' Door Height, Add	*41.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	312.63	64.87
		For 8' Door Height, Add	*43.89*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	453.17	95.00
		For 8' Door Height, Add	*63.17*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	486.25	101.95
		For 8' Door Height, Add	*67.77*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	527.48	108.90
		For 8' Door Height, Add	*74.33*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	400.23	57.92
		For 8' Door Height, Add	*68.25*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	415.19	57.92
		For 8' Door Height, Add	*71.84*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	434.73	60.24
		For 8' Door Height, Add	*75.42*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	457.58	62.56
		For 8' Door Height, Add	*79.79*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	494.09	62.56
		For 8' Door Height, Add	*88.56*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	530.98	64.87
		For 8' Door Height, Add	*96.30*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	758.75	95.00
		For 8' Door Height, Add	*136.50*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	802.56	101.95
		For 8' Door Height, Add	*143.68*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	882.72	108.90
		For 8' Door Height, Add	*159.59*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	362.06	57.92
		For 8' Door Height, Add	*59.09*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	375.60	57.92
		For 8' Door Height, Add	*62.34*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	393.74	60.24
		For 8' Door Height, Add	*65.58*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	412.04	62.56
		For 8' Door Height, Add	*68.86*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	443.60	62.56
		For 8' Door Height, Add	*76.44*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	468.62	64.87
		For 8' Door Height, Add	*81.33*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	682.40	95.00
		For 8' Door Height, Add	*118.18*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	723.40	101.95
		For 8' Door Height, Add	*124.68*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	791.64	108.90
		For 8' Door Height, Add	*137.73*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	328.07	57.92
		For 8' Door Height, Add	*50.93*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	340.35	57.92
		For 8' Door Height, Add	*53.88*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	357.30	60.24
		For 8' Door Height, Add	*56.84*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	366.50	62.56
		For 8' Door Height, Add	*57.93*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	393.12	62.56
		For 8' Door Height, Add	*64.32*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	414.93	64.87
		For 8' Door Height, Add	*68.44*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	614.41	95.00
		For 8' Door Height, Add	*101.86*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	652.88	101.95
		For 8' Door Height, Add	*107.76*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	700.55	108.90
		For 8' Door Height, Add	*115.87*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	357.24	57.92
		For 8' Door Height, Add	*57.93*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	366.35	57.92
		For 8' Door Height, Add	*60.12*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	374.34	60.24
		For 8' Door Height, Add	*60.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	393.83	62.56
		For 8' Door Height, Add	*64.49*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	433.25	62.56
		For 8' Door Height, Add	*73.95*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	483.94	64.87
		For 8' Door Height, Add	*85.00*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	672.79	95.00
		For 8' Door Height, Add	*115.87*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	704.87	101.95
		For 8' Door Height, Add	*120.24*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	755.24	108.90
		For 8' Door Height, Add	*128.99*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	329.10	57.92
		For 8' Door Height, Add	*51.18*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	343.79	57.92
		For 8' Door Height, Add	*54.71*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	360.34	60.24
		For 8' Door Height, Add	*57.57*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	369.70	62.56
		For 8' Door Height, Add	*58.70*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	396.59	62.56
		For 8' Door Height, Add	*65.16*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	418.60	64.87
		For 8' Door Height, Add	*69.32*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	616.49	95.00
		For 8' Door Height, Add	*102.36*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	659.77	101.95
		For 8' Door Height, Add	*109.41*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	706.97	108.90
		For 8' Door Height, Add	*117.40*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	279.80	57.92
		For 8' Door Height, Add	*39.35*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	284.37	57.92
		For 8' Door Height, Add	*40.44*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	298.10	60.24
		For 8' Door Height, Add	*42.63*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	311.85	62.56
		For 8' Door Height, Add	*44.82*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	322.26	62.56
		For 8' Door Height, Add	*47.32*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	339.52	64.87
		For 8' Door Height, Add	*50.34*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	517.87	95.00
		For 8' Door Height, Add	*78.70*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	540.92	101.95
		For 8' Door Height, Add	*80.89*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	591.29	108.90
		For 8' Door Height, Add	*89.64*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	443.78	57.92
		For 8' Door Height, Add	*78.70*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	457.43	57.92
		For 8' Door Height, Add	*81.98*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	466.62	60.24
		For 8' Door Height, Add	*83.08*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	484.92	62.56
		For 8' Door Height, Add	*86.35*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	524.50	62.56
		For 8' Door Height, Add	*95.85*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	569.10	64.87
		For 8' Door Height, Add	*105.45*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	845.85	95.00
		For 8' Door Height, Add	*157.41*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	887.05	101.95
		For 8' Door Height, Add	*163.96*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	937.40	108.90
		For 8' Door Height, Add	*172.71*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	450.99	57.92
		For 8' Door Height, Add	*80.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	451.96	57.92
		For 8' Door Height, Add	*80.67*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	466.23	60.24
		For 8' Door Height, Add	*82.98*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	477.87	62.56
		For 8' Door Height, Add	*84.66*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	509.75	62.56
		For 8' Door Height, Add	*92.31*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	539.00	64.87
		For 8' Door Height, Add	*98.22*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	860.27	95.00
		For 8' Door Height, Add	*160.87*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	876.10	101.95
		For 8' Door Height, Add	*161.33*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	923.30	108.90
		For 8' Door Height, Add	*169.32*	

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	375.46	57.92
		For 8' Door Height, Add	*62.31*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	380.00	57.92
		For 8' Door Height, Add	*63.40*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	389.19	60.24
		For 8' Door Height, Add	*64.49*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	402.95	62.56
		For 8' Door Height, Add	*66.68*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	423.33	62.56
		For 8' Door Height, Add	*71.57*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	447.05	64.87
		For 8' Door Height, Add	*76.15*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	709.18	95.00
		For 8' Door Height, Add	*124.61*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	732.19	101.95
		For 8' Door Height, Add	*126.79*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	773.45	108.90
		For 8' Door Height, Add	*133.36*	

08 17 23 00-0126 Oak Or Maple Faced *(08 17 23 00-0095)*

08 17 23 00-0127	EA	2'-0" Or2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	528.17	57.92
		For 8' Door Height, Add	*98.96*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	530.70	57.92
		For 8' Door Height, Add	*99.56*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	556.64	60.24
		For 8' Door Height, Add	*104.68*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	566.85	62.56
		For 8' Door Height, Add	*106.02*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	614.73	62.56
		For 8' Door Height, Add	*117.51*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	676.09	64.87
		For 8' Door Height, Add	*131.12*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,014.65	95.00
		For 8' Door Height, Add	*197.92*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,033.61	101.95
		For 8' Door Height, Add	*199.13*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,101.25	108.90
		For 8' Door Height, Add	*212.03*	

08 17 23 00-0136 Walnut Faced *(08 17 23 00-0095)*

08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	656.95	57.92
		For 8' Door Height, Add	*129.86*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	679.45	57.92
		For 8' Door Height, Add	*135.26*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	691.61	60.24
		For 8' Door Height, Add	*137.07*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	718.78	62.56
		For 8' Door Height, Add	*142.48*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	784.10	62.56
		For 8' Door Height, Add	*158.16*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	854.68	64.87
		For 8' Door Height, Add	*173.98*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,272.19	95.00
		For 8' Door Height, Add	*259.73*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,331.08	101.95
		For 8' Door Height, Add	*270.53*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,405.14	108.90
		For 8' Door Height, Add	*284.96*	

08 30 Specialty Doors And Frames *(08)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 31 Access Doors And Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	214.24	48.86
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	245.15	52.05
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	281.39	55.05
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	319.94	57.85
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	326.39	58.14
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	420.71	59.94

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	108.48	37.47
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	124.53	48.86
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	162.09	52.05
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	173.30	55.05
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	195.94	57.85
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	216.56	58.14

08 31 13 00-0016 Steel Access Doors *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	207.80	49.15
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	254.96	52.05
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	255.60	55.05
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	301.67	58.14
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	314.64	58.14
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	413.82	59.94
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	475.01	62.45
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	582.34	62.45
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	745.61	74.93

08 31 13 00-0027 Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	112.00	37.67
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	119.90	49.15
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	136.83	52.05
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	141.07	55.05
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	165.53	58.14
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	169.10	58.14
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	218.58	59.94
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	283.26	62.45

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	154.89	37.47
		For Recessed Doors In Acoustical Tile, Add	*17.98*	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	162.40	40.16
		For Recessed Doors In Acoustical Tile, Add	*19.79*	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	174.34	42.46
		For Recessed Doors In Acoustical Tile, Add	*20.58*	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	203.02	44.96
		For Recessed Doors In Acoustical Tile, Add	*19.00*	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	213.66	47.46
		For Recessed Doors In Acoustical Tile, Add	*20.16*	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	232.52	47.46
		For Recessed Doors In Acoustical Tile, Add	*17.33*	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	289.89	59.94
		For Recessed Doors In Acoustical Tile, Add	*22.46*	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	406.89	62.45
		For Recessed Doors In Acoustical Tile, Add	*7.66*	

08 31 13 00-0045 Steel Crawl Space Doors And Frames *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	179.51	63.24
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	249.39	76.63
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	278.89	83.23

08 32 Sliding Glass Doors *(08 30)*

Note: Includes stock frames, trim, necessary anchors and Usual hardware.

08 32 13 Sliding Aluminum-Framed Glass Doors *(08 32)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 32 13 00-0001		Residential Sliding Aluminum-Framed Glass Doors *(08 32 13)*		
08 32 13 00-0002		5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 32 13 00-0001)*		
08 32 13 00-0003	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	21.98	4.17
		For Custom Quality, Add	*2.74*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*1.97*	
08 32 13 00-0004	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	16.90	2.59
		For Custom Quality, Add	*2.62*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*1.88*	
08 32 13 00-0005		1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 32 13 00-0001)*		
08 32 13 00-0006	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	23.94	4.17
		For Custom Quality, Add	*3.23*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*2.32*	
08 32 13 00-0007	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	18.83	2.59
		For Custom Quality, Add	*3.10*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*2.23*	
08 32 19		**Sliding Wood-Framed Glass Doors** *(08 32)*		
08 32 19 00-0001		Residential Wood Sliding Doors With 5/8" Glass *(08 32 19)*		
08 32 19 00-0002	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,570.79	125.11
08 32 19 00-0003	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,917.64	152.92
08 32 19 00-0004	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,215.75	176.08
08 32 19 00-0005	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,724.44	125.11
08 32 19 00-0006	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,116.10	152.92
08 32 19 00-0007	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,461.35	176.08
08 33		Coiling Doors And Grilles *(08 30)*		
08 33 13		**Coiling Counter Doors** *(08 33)*		
08 33 13 00-0001		Overhead Rolling Counter Doors *(08 33 13)*		
08 33 13 00-0002		Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*		
		Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,384.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,598.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,962.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,341.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,347.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,602.34	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,747.25	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,095.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	
08 33 13 00-0011		Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*		
		Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,919.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,507.55	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,657.57	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,892.52	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,882.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,083.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,228.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,914.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0020		**Aluminum Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,812.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,026.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,604.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,625.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,775.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,030.34	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,202.00	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,807.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	
08 33 13 00-0029		**Galvanized Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,668.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,989.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,460.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,946.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,310.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,618.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,870.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	7,058.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	
08 33 13 00-0038		**Stainless Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,417.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,273.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,423.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,086.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,952.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,207.34	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,459.25	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,198.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	
08 33 13 00-0047		**Integral Frame And Sill, Overhead Rolling Counter Doors** *(08 33 13)*		
08 33 13 00-0048		**Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodization finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,199.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,413.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,670.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,049.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,520.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,828.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,080.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	11,231.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodization finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,129.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,343.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,600.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,979.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,092.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,400.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,759.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	10,054.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,623.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,693.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,876.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,111.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,228.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,392.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,035.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,256.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0075		**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	10,697.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	10,911.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,382.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	12,296.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,339.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	12,075.84	379.10
		For Motor Operator (With Safety Reverse), Add	*744.78*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	12,755.75	394.28
		For Motor Operator (With Safety Reverse), Add	*748.58*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	14,976.33	426.53
		For Motor Operator (With Safety Reverse), Add	*756.63*	
08 33 13 00-0084		**Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,298.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,833.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	18,016.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0088		**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	11,553.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	15,833.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	18,016.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	
08 33 13 00-0092		**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	10,055.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	11,339.05	341.23
		For Motor Operator (With Safety Reverse), Add	*735.31*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	12,131.07	362.54
		For Motor Operator (With Safety Reverse), Add	*739.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	13,366.02	426.53
		For Motor Operator (With Safety Reverse), Add	*756.10*	

08 33 23 Overhead Coiling Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0865 for forklift.

08 33 23 00-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23)*

08 33 23 00-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*

08 33 23 00-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	712.67	254.85
08 33 23 00-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	786.99	278.03
08 33 23 00-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	783.72	278.03
08 33 23 00-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	862.36	301.19
08 33 23 00-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	854.83	301.19
08 33 23 00-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	933.10	324.36
08 33 23 00-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,023.84	347.54
08 33 23 00-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	898.86	301.19
08 33 23 00-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	968.64	324.36
08 33 23 00-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,048.72	347.54
08 33 23 00-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,160.31	370.70
08 33 23 00-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,090.49	370.70
08 33 23 00-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,138.82	370.70
08 33 23 00-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,249.65	393.87
08 33 23 00-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,329.18	417.04

08 33 23 00-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*

Note: With curtain hood (barrel cover).

08 33 23 00-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,144.68	301.19
		For Insulated, Add	*1,201.90*	
08 33 23 00-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,244.32	324.36
		For Insulated, Add	*1,245.35*	
08 33 23 00-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,493.35	370.70
		For Insulated, Add	*1,369.57*	
08 33 23 00-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,655.99	370.70
		For Insulated, Add	*1,491.55*	
08 33 23 00-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,432.53	370.70
		For Insulated, Add	*1,323.95*	
08 33 23 00-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,554.10	370.70
		For Insulated, Add	*1,415.13*	
08 33 23 00-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,768.25	417.04
		For Insulated, Add	*1,513.25*	
08 33 23 00-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,943.47	417.04
		For Insulated, Add	*1,644.67*	
08 33 23 00-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,684.39	417.04
		For Insulated, Add	*1,450.36*	
08 33 23 00-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,918.01	463.37
		For Insulated, Add	*1,562.95*	
08 33 23 00-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,290.55	579.22
		For Insulated, Add	*1,685.97*	
08 33 23 00-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,546.49	579.22
		For Insulated, Add	*1,877.93*	
08 33 23 00-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,519.84	579.22
		For Insulated, Add	*1,857.94*	
08 33 23 00-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,813.01	579.22
		For Insulated, Add	*2,077.82*	
08 33 23 00-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,123.96	579.22
		For Insulated, Add	*2,311.03*	

08 33 23 00-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*

Note: With curtain hood (barrel cover).

08 33 23 00-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,884.89	278.03
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*199.33*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*332.22*	
		For Insulated, Add	*1,038.37*	
08 33 23 00-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,064.19	301.19
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*219.27*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*365.45*	
		For Insulated, Add	*1,141.52*	
08 33 23 00-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,198.35	324.36
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*232.43*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*387.39*	
		For Insulated, Add	*1,210.82*	
08 33 23 00-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,079.93	301.19
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*221.63*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*369.38*	
		For Insulated, Add	*1,153.32*	
08 33 23 00-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,274.08	324.36
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*243.79*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*406.32*	
		For Insulated, Add	*1,267.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,502.43	370.70
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*264.15*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*440.26*	
		For Insulated, Add	*1,376.38*	
08 33 23 00-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,012.90	417.04
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*326.83*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*544.72*	
		For Insulated, Add	*1,696.72*	
08 33 23 00-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,523.50	463.37
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*389.51*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*649.19*	
		For Insulated, Add	*2,017.07*	
08 33 23 00-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,236.45	301.19
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*245.11*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*408.51*	
		For Insulated, Add	*1,270.71*	
08 33 23 00-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,538.84	370.70
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*269.62*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*449.36*	
		For Insulated, Add	*1,403.69*	
08 33 23 00-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,872.84	463.37
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*291.91*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*486.52*	
		For Insulated, Add	*1,529.07*	
08 33 23 00-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,364.56	509.72
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*351.79*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*586.32*	
		For Insulated, Add	*1,835.39*	
08 33 23 00-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,856.68	556.05
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*411.66*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*686.10*	
		For Insulated, Add	*2,141.72*	
08 33 23 00-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,924.88	474.96
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*296.24*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*493.74*	
		For Insulated, Add	*1,552.46*	
08 33 23 00-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,353.56	579.22
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*329.27*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*548.78*	
		For Insulated, Add	*1,733.23*	
08 33 23 00-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,002.73	695.06
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*391.93*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*653.22*	
		For Insulated, Add	*2,063.90*	
08 33 23 00-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,698.65	834.08
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*454.59*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*757.66*	
		For Insulated, Add	*2,398.07*	
08 33 23 00-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,437.60	1,019.43
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*509.72*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*849.53*	
		For Insulated, Add	*2,701.54*	
08 33 23 00-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,989.05	1,112.10
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*564.83*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*941.39*	
		For Insulated, Add	*2,990.93*	
08 33 23 00-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,541.42	1,204.78
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*619.95*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,033.26*	
		For Insulated, Add	*3,280.40*	
08 33 23 00-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,093.42	1,297.45
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*674.84*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,124.73*	
		For Insulated, Add	*3,568.78*	
08 33 23 00-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,322.18	556.05
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*331.49*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*552.48*	
		For Insulated, Add	*1,740.85*	
08 33 23 00-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,828.12	695.06
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*365.74*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*609.57*	
		For Insulated, Add	*1,932.94*	
08 33 23 00-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,566.53	787.73
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*448.72*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*747.87*	
		For Insulated, Add	*2,361.75*	
08 33 23 00-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,398.20	926.75
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*531.70*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*886.17*	
		For Insulated, Add	*2,797.53*	
08 33 23 00-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,244.62	1,112.10
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*603.17*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,005.28*	
		For Insulated, Add	*3,182.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,905.96	1,204.78
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*674.64*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,124.39*	
		For Insulated, Add	*3,553.81*	
08 33 23 00-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,661.80	1,343.79
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*746.10*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,243.50*	
		For Insulated, Add	*3,932.09*	
08 33 23 00-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,416.98	1,482.80
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*817.56*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,362.61*	
		For Insulated, Add	*4,310.31*	
08 33 23 00-0064		**20 Gauge Galvanized Steel Overhead Coiling Doors** *(08 33 23 00-0001)*		
		Note: With curtain hood (barrel cover)		
08 33 23 00-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,214.00	695.06
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*423.62*	
		For Insulated, Add	*2,222.35*	
08 33 23 00-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,782.64	787.73
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*481.14*	
		For Insulated, Add	*2,523.83*	
08 33 23 00-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,453.59	880.42
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*553.96*	
		For Insulated, Add	*2,901.83*	
08 33 23 00-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,061.70	973.09
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*617.21*	
		For Insulated, Add	*3,232.08*	
08 33 23 00-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,888.15	1,158.43
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*685.69*	
		For Insulated, Add	*3,602.22*	
08 33 23 00-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,529.18	1,251.12
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*754.07*	
		For Insulated, Add	*3,958.01*	
08 33 23 00-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,953.33	1,390.12
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*925.79*	
		For Insulated, Add	*4,837.57*	
08 33 23 00-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,373.34	1,529.14
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,097.52*	
		For Insulated, Add	*5,716.82*	
08 33 23 00-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,199.91	834.08
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*529.78*	
		For Insulated, Add	*2,774.02*	
08 33 23 00-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,837.45	926.75
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*597.59*	
		For Insulated, Add	*3,126.97*	
08 33 23 00-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,505.37	1,065.76
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*656.09*	
		For Insulated, Add	*3,440.31*	
08 33 23 00-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,190.27	1,204.78
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*717.28*	
		For Insulated, Add	*3,767.04*	
08 33 23 00-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,836.01	1,297.45
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*786.23*	
		For Insulated, Add	*4,125.73*	
08 33 23 00-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,580.25	1,390.12
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*869.83*	
		For Insulated, Add	*4,557.76*	
08 33 23 00-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,671.76	1,482.80
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,005.78*	
		For Insulated, Add	*5,251.40*	
08 33 23 00-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,773.17	1,575.48
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,143.14*	
		For Insulated, Add	*5,952.13*	
08 33 23 00-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,737.76	1,019.43
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*554.74*	
		For Insulated, Add	*2,926.66*	
08 33 23 00-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,314.25	1,112.10
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*613.61*	
		For Insulated, Add	*3,234.83*	
08 33 23 00-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,230.39	1,251.12
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*709.25*	
		For Insulated, Add	*3,733.92*	
08 33 23 00-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,027.21	1,390.12
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*786.88*	
		For Insulated, Add	*4,142.98*	
08 33 23 00-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,734.69	1,482.80
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*865.22*	
		For Insulated, Add	*4,548.60*	
08 33 23 00-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,443.28	1,575.48
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*943.66*	
		For Insulated, Add	*4,954.71*	
08 33 23 00-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,710.82	1,668.15
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,105.86*	
		For Insulated, Add	*5,779.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,003.36	1,760.82
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,272.34*	
		For Insulated, Add	*6,625.78*	
08 33 23 00-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,429.67	1,112.10
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*630.93*	
		For Insulated, Add	*3,321.40*	
08 33 23 00-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,468.02	1,204.78
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*758.94*	
		For Insulated, Add	*3,975.35*	

08 33 23 00-0091 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*

Note: With curtain hood (barrel cover).

08 33 23 00-0092	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,843.52	1,343.79
		For Insulated, Add	*4,818.38*	
08 33 23 00-0093	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,984.99	1,436.46
		For Insulated, Add	*5,548.43*	
08 33 23 00-0094	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,293.34	1,529.14
		For Insulated, Add	*6,404.09*	
08 33 23 00-0095	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,759.00	1,621.82
		For Insulated, Add	*7,378.92*	
08 33 23 00-0096	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,230.24	1,714.49
		For Insulated, Add	*8,359.23*	
08 33 23 00-0097	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,732.49	1,807.16
		For Insulated, Add	*9,359.60*	
08 33 23 00-0098	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,174.43	1,204.78
		For Insulated, Add	*3,755.16*	
08 33 23 00-0099	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,373.56	1,297.45
		For Insulated, Add	*4,528.89*	
08 33 23 00-0100	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,847.94	1,436.46
		For Insulated, Add	*5,445.64*	
08 33 23 00-0101	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,331.78	1,529.14
		For Insulated, Add	*6,435.65*	
08 33 23 00-0102	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,826.97	1,621.82
		For Insulated, Add	*7,429.90*	
08 33 23 00-0103	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,474.66	1,714.49
		For Insulated, Add	*8,542.54*	
08 33 23 00-0104	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,132.31	1,807.16
		For Insulated, Add	*9,659.47*	
08 33 23 00-0105	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,775.95	1,899.84
		For Insulated, Add	*10,768.20*	
08 33 23 00-0106	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,857.57	1,297.45
		For Insulated, Add	*4,141.90*	
08 33 23 00-0107	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,736.95	1,390.12
		For Insulated, Add	*4,675.29*	
08 33 23 00-0108	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,663.43	1,529.14
		For Insulated, Add	*5,934.39*	
08 33 23 00-0109	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,326.54	1,621.82
		For Insulated, Add	*7,054.58*	
08 33 23 00-0110	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,918.81	1,714.49
		For Insulated, Add	*8,125.65*	
08 33 23 00-0111	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,673.07	1,807.16
		For Insulated, Add	*9,315.04*	
08 33 23 00-0112	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,716.60	1,899.84
		For Insulated, Add	*10,723.69*	
08 33 23 00-0113	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,819.11	1,992.51
		For Insulated, Add	*12,172.60*	

08 33 23 00-0114 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23)*

08 33 23 00-0115 0.04" Aluminum Overhead Coiling Doors *(08 33 23 00-0114)*

08 33 23 00-0116	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,577.81	278.03
08 33 23 00-0117	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,724.39	301.19
08 33 23 00-0118	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,144.59	324.36
08 33 23 00-0119	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,926.85	301.19
08 33 23 00-0120	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,097.17	324.36
08 33 23 00-0121	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,313.74	370.70
08 33 23 00-0122	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,567.50	417.04
08 33 23 00-0123	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,824.08	463.37
08 33 23 00-0124	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,079.81	301.19
08 33 23 00-0125	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,386.56	370.70
08 33 23 00-0126	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,742.28	463.37
08 33 23 00-0127	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,996.16	509.72
08 33 23 00-0128	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,251.35	556.05
08 33 23 00-0129	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,801.76	486.54
08 33 23 00-0130	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,153.63	579.22
08 33 23 00-0131	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,590.41	695.06
08 33 23 00-0132	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,075.10	834.08
08 33 23 00-0133	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,799.72	1,019.43
08 33 23 00-0134	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,336.78	1,112.10
08 33 23 00-0135	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,871.37	1,204.78
08 33 23 00-0136	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,408.15	1,297.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0137	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,103.30	556.05
08 33 23 00-0138	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,783.06	695.06
08 33 23 00-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,281.70	787.73
08 33 23 00-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,875.51	926.75
08 33 23 00-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,672.64	1,112.10
08 33 23 00-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,286.31	1,204.78
08 33 23 00-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,758.53	1,343.79
08 33 23 00-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,232.26	1,482.80
08 33 23 00-0145		0.05" Aluminum Overhead Coiling Doors *(08 33 23 00-0114)*		
08 33 23 00-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,627.79	695.06
08 33 23 00-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,260.56	787.73
08 33 23 00-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,883.07	880.42
08 33 23 00-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,464.08	973.09
08 33 23 00-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,263.07	1,158.43
08 33 23 00-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,877.26	1,251.12
08 33 23 00-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,594.91	1,390.12
08 33 23 00-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,308.53	1,529.14
08 33 23 00-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,309.85	834.08
08 33 23 00-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,968.09	926.75
08 33 23 00-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,694.92	1,065.76
08 33 23 00-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,438.00	1,204.78
08 33 23 00-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,137.91	1,297.45
08 33 23 00-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,878.31	1,390.12
08 33 23 00-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,585.21	1,482.80
08 33 23 00-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,251.57	1,575.48
08 33 23 00-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,973.98	1,019.43
08 33 23 00-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,671.77	1,112.10
08 33 23 00-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,524.20	1,251.12
08 33 23 00-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,367.14	1,390.12
08 33 23 00-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,124.39	1,482.80
08 33 23 00-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,876.84	1,575.48
08 33 23 00-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,628.51	1,668.15
08 33 23 00-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,381.88	1,760.82
08 33 23 00-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,555.24	1,112.10
08 33 23 00-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,265.85	1,204.78
08 33 23 00-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,423.21	1,343.79
08 33 23 00-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,129.07	1,436.46
08 33 23 00-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,954.67	1,529.14
08 33 23 00-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,810.42	1,621.82
08 33 23 00-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,617.85	1,714.49
08 33 23 00-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,457.84	1,807.16
08 33 23 00-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,332.07	1,204.78
08 33 23 00-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,190.86	1,297.45
08 33 23 00-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,238.97	1,436.46
08 33 23 00-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,171.82	1,529.14
08 33 23 00-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,109.70	1,621.82
08 33 23 00-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,050.88	1,714.49
08 33 23 00-0184	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,946.47	1,807.16
08 33 23 00-0185	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,845.23	1,899.84
08 33 23 00-0186	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,927.33	1,297.45
08 33 23 00-0187	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,518.10	1,390.12
08 33 23 00-0188	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,908.32	1,529.14
08 33 23 00-0189	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,956.08	1,621.82
08 33 23 00-0190	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,943.61	1,714.49
08 33 23 00-0191	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,935.89	1,807.16
08 33 23 00-0192	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,062.41	1,899.84
08 33 23 00-0193	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,234.59	1,992.51
08 33 23 00-0194		Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23)* Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	19.79	
08 33 23 00-0196		Overhead Coiling Door Accessories *(08 33 23)*		
08 33 23 00-0197	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	3.23	1.16
08 33 23 00-0198	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	19.61	1.39
08 33 23 00-0199	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	18.74	1.39
08 33 23 00-0200	EA	Cylinder Lock For Coiling Doors	205.23	57.92
08 33 23 00-0201	EA	Up To 12' x 12' Opening, Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,265.32	185.35
08 33 23 00-0202	EA	>12' x 12' To 18' x 18' Opening, Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,645.70	185.35
08 33 23 00-0203	EA	>18' x 18' Opening, Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,426.39	36.26
08 33 23 00-0204	LF	Safety Edge Bottom Bar, Electric For Coiling Doors And Grilles	71.73	
08 33 23 00-0205	EA	Remote Transmitter Kit For Coiling Door Operators	277.26	92.67

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0865 for forklift.

08 33 26 00-0001 Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,154.89	149.28
		For Staggered Brick Pattern, Add	*43.21*	
		For Lexan Lattice Pattern, Add	*259.25*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*87.11*	
		For Staggered Brick Pattern, Add	*155.08*	
08 33 26 00-0003	EA	6' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,375.93	149.28
		For Staggered Brick Pattern, Add	*48.74*	
		For Lexan Lattice Pattern, Add	*292.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*119.88*	
		For Staggered Brick Pattern, Add	*210.39*	
08 33 26 00-0004	EA	8' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,741.20	199.02
		For Staggered Brick Pattern, Add	*54.31*	
		For Lexan Lattice Pattern, Add	*325.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*152.65*	
		For Staggered Brick Pattern, Add	*265.70*	
08 33 26 00-0005	EA	12' x 4', Steel Overhead Coiling Grilles, Manual Lift	3,273.15	199.02
		For Staggered Brick Pattern, Add	*67.61*	
		For Lexan Lattice Pattern, Add	*405.67*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*218.18*	
		For Staggered Brick Pattern, Add	*376.31*	
08 33 26 00-0006	EA	16' x 4', Steel Overhead Coiling Grilles, Manual Lift	4,428.94	298.57
		For Staggered Brick Pattern, Add	*89.40*	
		For Lexan Lattice Pattern, Add	*536.38*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*326.85*	
		For Staggered Brick Pattern, Add	*496.21*	
08 33 26 00-0007	EA	20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,584.74	397.96
		For Staggered Brick Pattern, Add	*111.18*	
		For Lexan Lattice Pattern, Add	*667.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*435.52*	
		For Staggered Brick Pattern, Add	*616.11*	
08 33 26 00-0008	EA	24' x 4', Steel Overhead Coiling Grilles, Manual Lift	6,972.84	477.72
		For Staggered Brick Pattern, Add	*140.14*	
		For Lexan Lattice Pattern, Add	*840.86*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*522.63*	
		For Staggered Brick Pattern, Add	*637.09*	
08 33 26 00-0009	EA	30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,558.18	597.15
		For Staggered Brick Pattern, Add	*171.30*	
		For Lexan Lattice Pattern, Add	*1,027.81*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*611.72*	
		For Staggered Brick Pattern, Add	*731.31*	
08 33 26 00-0010	EA	4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,323.62	149.28
		For Staggered Brick Pattern, Add	*47.43*	
		For Lexan Lattice Pattern, Add	*284.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*130.65*	
		For Staggered Brick Pattern, Add	*180.18*	
08 33 26 00-0011	EA	6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,641.08	149.28
		For Staggered Brick Pattern, Add	*55.36*	
		For Lexan Lattice Pattern, Add	*332.18*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*195.96*	
		For Staggered Brick Pattern, Add	*245.05*	
08 33 26 00-0012	EA	8' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,970.52	199.10
		For Staggered Brick Pattern, Add	*60.05*	
		For Lexan Lattice Pattern, Add	*360.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*261.26*	
		For Staggered Brick Pattern, Add	*309.92*	
08 33 26 00-0013	EA	12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,583.42	199.10
		For Staggered Brick Pattern, Add	*75.37*	
		For Lexan Lattice Pattern, Add	*452.21*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*391.97*	
		For Staggered Brick Pattern, Add	*439.64*	
08 33 26 00-0014	EA	16' x 6', Steel Overhead Coiling Grilles, Manual Lift	4,864.14	298.57
		For Staggered Brick Pattern, Add	*100.28*	
		For Lexan Lattice Pattern, Add	*601.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*522.63*	
		For Staggered Brick Pattern, Add	*605.23*	
08 33 26 00-0015	EA	20' x 6', Steel Overhead Coiling Grilles, Manual Lift	6,141.83	397.96
		For Staggered Brick Pattern, Add	*125.19*	
		For Lexan Lattice Pattern, Add	*751.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*653.30*	
		For Staggered Brick Pattern, Add	*770.81*	
08 33 26 00-0016	EA	24' x 6', Steel Overhead Coiling Grilles, Manual Lift	7,698.69	477.72
		For Staggered Brick Pattern, Add	*158.29*	
		For Lexan Lattice Pattern, Add	*949.74*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*783.95*	
		For Staggered Brick Pattern, Add	*888.59*	
08 33 26 00-0017	EA	30' x 6', Steel Overhead Coiling Grilles, Manual Lift	9,281.12	597.15
		For Staggered Brick Pattern, Add	*189.38*	
		For Lexan Lattice Pattern, Add	*1,136.25*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*912.73*	
		For Staggered Brick Pattern, Add	*996.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0018	EA	4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,660.90	179.14
		For Staggered Brick Pattern, Add	*53.74*	
		For Lexan Lattice Pattern, Add	*322.42*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*174.21*	
		For Staggered Brick Pattern, Add	*235.82*	
08 33 26 00-0019	EA	6' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,044.43	179.14
		For Staggered Brick Pattern, Add	*63.33*	
		For Lexan Lattice Pattern, Add	*379.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*261.32*	
		For Staggered Brick Pattern, Add	*319.37*	
08 33 26 00-0020	EA	8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,653.50	223.93
		For Staggered Brick Pattern, Add	*75.33*	
		For Lexan Lattice Pattern, Add	*451.96*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*348.42*	
		For Staggered Brick Pattern, Add	*402.93*	
08 33 26 00-0021	EA	12' x 8', Steel Overhead Coiling Grilles, Manual Lift	4,206.61	223.93
		For Staggered Brick Pattern, Add	*89.15*	
		For Lexan Lattice Pattern, Add	*534.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*570.03*	
08 33 26 00-0022	EA	16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,729.98	358.29
		For Staggered Brick Pattern, Add	*117.62*	
		For Lexan Lattice Pattern, Add	*705.70*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*696.85*	
		For Staggered Brick Pattern, Add	*803.87*	
08 33 26 00-0023	EA	20' x 8', Steel Overhead Coiling Grilles, Manual Lift	7,120.21	447.85
		For Staggered Brick Pattern, Add	*146.08*	
		For Lexan Lattice Pattern, Add	*876.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.06*	
		For Staggered Brick Pattern, Add	*1,037.71*	
08 33 26 00-0024	EA	24' x 8', Steel Overhead Coiling Grilles, Manual Lift	9,007.16	537.43
		For Staggered Brick Pattern, Add	*186.82*	
		For Lexan Lattice Pattern, Add	*1,120.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,045.27*	
		For Staggered Brick Pattern, Add	*1,167.29*	
08 33 26 00-0025	EA	30' x 8', Steel Overhead Coiling Grilles, Manual Lift	10,981.35	656.85
		For Staggered Brick Pattern, Add	*227.77*	
		For Lexan Lattice Pattern, Add	*1,366.59*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,210.66*	
		For Staggered Brick Pattern, Add	*1,273.08*	
08 33 26 00-0026	EA	4' x 10', Steel Overhead Coiling Grilles, Manual Lift	2,938.88	179.14
		For Staggered Brick Pattern, Add	*60.69*	
		For Lexan Lattice Pattern, Add	*364.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*217.76*	
		For Staggered Brick Pattern, Add	*280.16*	
08 33 26 00-0027	EA	6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,447.18	179.14
		For Staggered Brick Pattern, Add	*73.39*	
		For Lexan Lattice Pattern, Add	*440.36*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*326.64*	
		For Staggered Brick Pattern, Add	*397.84*	
08 33 26 00-0028	EA	8' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,100.82	223.93
		For Staggered Brick Pattern, Add	*86.56*	
		For Lexan Lattice Pattern, Add	*519.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*435.53*	
		For Staggered Brick Pattern, Add	*515.53*	
08 33 26 00-0029	EA	12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,793.51	223.93
		For Staggered Brick Pattern, Add	*103.87*	
		For Lexan Lattice Pattern, Add	*623.25*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*653.30*	
		For Staggered Brick Pattern, Add	*750.89*	
08 33 26 00-0030	EA	16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,499.87	358.29
		For Staggered Brick Pattern, Add	*136.86*	
		For Lexan Lattice Pattern, Add	*821.18*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.06*	
		For Staggered Brick Pattern, Add	*1,035.38*	
08 33 26 00-0031	EA	20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,071.11	447.85
		For Staggered Brick Pattern, Add	*169.85*	
		For Lexan Lattice Pattern, Add	*1,019.11*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,088.82*	
		For Staggered Brick Pattern, Add	*1,319.86*	
08 33 26 00-0032	EA	24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,156.06	537.43
		For Staggered Brick Pattern, Add	*215.54*	
		For Lexan Lattice Pattern, Add	*1,293.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,306.75*	
		For Staggered Brick Pattern, Add	*1,528.50*	
08 33 26 00-0033	EA	30' x 10', Steel Overhead Coiling Grilles, Manual Lift	12,755.37	656.85
		For Staggered Brick Pattern, Add	*272.12*	
		For Lexan Lattice Pattern, Add	*1,632.69*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,530.01*	
		For Staggered Brick Pattern, Add	*1,712.26*	
08 33 26 00-0034	EA	4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,257.22	179.14
		For Staggered Brick Pattern, Add	*68.64*	
		For Lexan Lattice Pattern, Add	*411.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*261.32*	
		For Staggered Brick Pattern, Add	*323.86*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0035		EA	6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,349.37	179.14
			For Staggered Brick Pattern, Add	*70.95*	
			For Lexan Lattice Pattern, Add	*425.69*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*391.97*	
			For Staggered Brick Pattern, Add	*475.00*	
08 33 26 00-0036		EA	8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,071.96	223.93
			For Staggered Brick Pattern, Add	*85.79*	
			For Lexan Lattice Pattern, Add	*514.73*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*522.62*	
			For Staggered Brick Pattern, Add	*626.14*	
08 33 26 00-0037		EA	12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,457.12	223.93
			For Staggered Brick Pattern, Add	*120.42*	
			For Lexan Lattice Pattern, Add	*722.50*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*783.92*	
			For Staggered Brick Pattern, Add	*928.42*	
08 33 26 00-0038		EA	16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,588.17	358.29
			For Staggered Brick Pattern, Add	*164.07*	
			For Lexan Lattice Pattern, Add	*984.43*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,045.26*	
			For Staggered Brick Pattern, Add	*1,290.78*	
08 33 26 00-0039		EA	20' x 12', Steel Overhead Coiling Grilles, Manual Lift	9,586.06	447.85
			For Staggered Brick Pattern, Add	*207.73*	
			For Lexan Lattice Pattern, Add	*1,246.35*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,306.58*	
			For Staggered Brick Pattern, Add	*1,653.13*	
08 33 26 00-0040		EA	24' x 12', Steel Overhead Coiling Grilles, Manual Lift	11,628.33	537.43
			For Staggered Brick Pattern, Add	*252.35*	
			For Lexan Lattice Pattern, Add	*1,514.11*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,567.90*	
			For Staggered Brick Pattern, Add	*1,747.96*	
08 33 26 00-0041		EA	30' x 12', Steel Overhead Coiling Grilles, Manual Lift	14,508.12	656.85
			For Staggered Brick Pattern, Add	*315.93*	
			For Lexan Lattice Pattern, Add	*1,895.61*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,816.97*	
			For Staggered Brick Pattern, Add	*1,904.43*	
08 33 26 00-0042		EA	4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,826.59	179.14
			For Staggered Brick Pattern, Add	*82.88*	
			For Lexan Lattice Pattern, Add	*497.27*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*304.75*	
			For Staggered Brick Pattern, Add	*599.01*	
08 33 26 00-0043		EA	6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,448.23	179.14
			For Staggered Brick Pattern, Add	*98.42*	
			For Lexan Lattice Pattern, Add	*590.52*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*457.23*	
			For Staggered Brick Pattern, Add	*735.51*	
08 33 26 00-0044		EA	8' x 14', Steel Overhead Coiling Grilles, Manual Lift	5,203.80	223.93
			For Staggered Brick Pattern, Add	*114.13*	
			For Lexan Lattice Pattern, Add	*684.79*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*609.69*	
			For Staggered Brick Pattern, Add	*856.44*	
08 33 26 00-0045		EA	12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,509.66	223.93
			For Staggered Brick Pattern, Add	*146.78*	
			For Lexan Lattice Pattern, Add	*880.67*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*914.61*	
			For Staggered Brick Pattern, Add	*1,086.03*	
08 33 26 00-0046		EA	16' x 14', Steel Overhead Coiling Grilles, Manual Lift	8,674.01	358.29
			For Staggered Brick Pattern, Add	*191.22*	
			For Lexan Lattice Pattern, Add	*1,147.31*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,219.48*	
			For Staggered Brick Pattern, Add	*1,452.90*	
08 33 26 00-0047		EA	20' x 14', Steel Overhead Coiling Grilles, Manual Lift	10,703.31	447.85
			For Staggered Brick Pattern, Add	*235.66*	
			For Lexan Lattice Pattern, Add	*1,413.94*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,524.34*	
			For Staggered Brick Pattern, Add	*1,819.78*	
08 33 26 00-0048		EA	24' x 14', Steel Overhead Coiling Grilles, Manual Lift	12,788.31	537.43
			For Staggered Brick Pattern, Add	*281.35*	
			For Lexan Lattice Pattern, Add	*1,688.10*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,829.21*	
			For Staggered Brick Pattern, Add	*2,063.84*	
08 33 26 00-0049		EA	30' x 14', Steel Overhead Coiling Grilles, Manual Lift	16,397.87	656.85
			For Staggered Brick Pattern, Add	*363.18*	
			For Lexan Lattice Pattern, Add	*2,179.07*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,159.41*	
			For Staggered Brick Pattern, Add	*2,358.03*	
08 33 26 00-0050			Coiling Grilles Accessories *(08 33 26)*		
08 33 26 00-0051		LF	For Overhead Framed Rolling Grille Supports	84.31	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0002	EA	12' x 8', Steel Side Coiling Grilles, Manually Operated	5,485.34	500.92
		For Staggered Brick Pattern, Add	*101.35*	
		For Lexan Lattice Pattern, Add	*608.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*522.63*	
		For Staggered Brick Pattern, Add	*570.03*	
08 33 36 00-0003	EA	18' x 8', Steel Side Coiling Grilles, Manually Operated	7,790.86	643.46
		For Staggered Brick Pattern, Add	*148.81*	
		For Lexan Lattice Pattern, Add	*892.86*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*801.67*	
		For Staggered Brick Pattern, Add	*913.00*	
08 33 36 00-0004	EA	24' x 8', Steel Side Coiling Grilles, Manually Operated	10,136.14	811.34
		For Staggered Brick Pattern, Add	*195.45*	
		For Lexan Lattice Pattern, Add	*1,172.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,045.27*	
		For Staggered Brick Pattern, Add	*1,167.29*	
08 33 36 00-0005	EA	30' x 8', Steel Side Coiling Grilles, Manually Operated	12,332.76	895.71
		For Staggered Brick Pattern, Add	*244.31*	
		For Lexan Lattice Pattern, Add	*1,465.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,210.66*	
		For Staggered Brick Pattern, Add	*1,273.08*	
08 33 36 00-0006	EA	12' x 10', Steel Side Coiling Grilles, Manually Operated	6,695.68	571.13
		For Staggered Brick Pattern, Add	*126.60*	
		For Lexan Lattice Pattern, Add	*759.60*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*653.30*	
		For Staggered Brick Pattern, Add	*750.89*	
08 33 36 00-0007	EA	18' x 10', Steel Side Coiling Grilles, Manually Operated	9,541.92	733.55
		For Staggered Brick Pattern, Add	*186.12*	
		For Lexan Lattice Pattern, Add	*1,116.74*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*962.14*	
		For Staggered Brick Pattern, Add	*1,140.22*	
08 33 36 00-0008	EA	24' x 10', Steel Side Coiling Grilles, Manually Operated	12,237.56	924.63
		For Staggered Brick Pattern, Add	*239.87*	
		For Lexan Lattice Pattern, Add	*1,439.23*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,306.75*	
		For Staggered Brick Pattern, Add	*1,528.50*	
08 33 36 00-0009	EA	30' x 10', Steel Side Coiling Grilles, Manually Operated	15,141.61	1,021.11
		For Staggered Brick Pattern, Add	*305.30*	
		For Lexan Lattice Pattern, Add	*1,831.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,530.01*	
		For Staggered Brick Pattern, Add	*1,712.26*	
08 33 36 00-0010	EA	12' x 12', Steel Side Coiling Grilles, Manually Operated	7,917.02	643.46
		For Staggered Brick Pattern, Add	*151.96*	
		For Lexan Lattice Pattern, Add	*911.78*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*783.92*	
		For Staggered Brick Pattern, Add	*928.42*	
08 33 36 00-0011	EA	18' x 12', Steel Side Coiling Grilles, Manually Operated	11,289.30	826.44
		For Staggered Brick Pattern, Add	*222.99*	
		For Lexan Lattice Pattern, Add	*1,337.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,157.47*	
		For Staggered Brick Pattern, Add	*1,415.61*	
08 33 36 00-0012	EA	24' x 12', Steel Side Coiling Grilles, Manually Operated	14,689.08	1,042.01
		For Staggered Brick Pattern, Add	*293.18*	
		For Lexan Lattice Pattern, Add	*1,759.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,567.90*	
		For Staggered Brick Pattern, Add	*1,747.96*	
08 33 36 00-0013	EA	30' x 12', Steel Side Coiling Grilles, Manually Operated	17,944.90	1,149.50
		For Staggered Brick Pattern, Add	*366.47*	
		For Lexan Lattice Pattern, Add	*2,198.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,816.97*	
		For Staggered Brick Pattern, Add	*1,904.43*	
08 33 36 00-0014	EA	12' x 14', Steel Side Coiling Grilles, Manually Operated	9,138.41	711.45
		For Staggered Brick Pattern, Add	*177.68*	
		For Lexan Lattice Pattern, Add	*1,066.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*914.61*	
		For Staggered Brick Pattern, Add	*1,086.03*	
08 33 36 00-0015	EA	18' x 14', Steel Side Coiling Grilles, Manually Operated	13,045.12	913.63
		For Staggered Brick Pattern, Add	*260.31*	
		For Lexan Lattice Pattern, Add	*1,561.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,322.85*	
		For Staggered Brick Pattern, Add	*1,572.84*	
08 33 36 00-0016	EA	24' x 14', Steel Side Coiling Grilles, Manually Operated	16,962.58	1,151.88
		For Staggered Brick Pattern, Add	*342.04*	
		For Lexan Lattice Pattern, Add	*2,052.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,829.21*	
		For Staggered Brick Pattern, Add	*2,063.84*	
08 33 36 00-0017	EA	30' x 14', Steel Side Coiling Grilles, Manually Operated	20,726.23	1,271.91
		For Staggered Brick Pattern, Add	*427.33*	
		For Lexan Lattice Pattern, Add	*2,563.97*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,159.41*	
		For Staggered Brick Pattern, Add	*2,358.03*	

08 33 39 High Speed Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0865 for forklift.

copyright 2018 The Gordian Group, Inc.

CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0001			2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 39 00-0002			2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0001)*		
08 33 39 00-0003			6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0004	EA		6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,542.42	370.70
08 33 39 00-0005	EA		6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,716.14	386.46
08 33 39 00-0006	EA		6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,915.82	402.21
08 33 39 00-0007	EA		6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,192.24	417.96
08 33 39 00-0008	EA		6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,474.30	433.72
08 33 39 00-0009	EA		6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,945.98	449.47
08 33 39 00-0010	EA		6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,282.21	465.23
08 33 39 00-0011			7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0012	EA		7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,753.39	386.46
08 33 39 00-0013	EA		7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,973.38	402.21
08 33 39 00-0014	EA		7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,248.67	417.96
08 33 39 00-0015	EA		7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,539.77	433.72
08 33 39 00-0016	EA		7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,922.28	449.47
08 33 39 00-0017	EA		7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,382.66	465.23
08 33 39 00-0018	EA		7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,747.12	480.98
08 33 39 00-0019			8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0020	EA		8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,009.49	402.21
08 33 39 00-0021	EA		8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,283.66	417.96
08 33 39 00-0022	EA		8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,586.04	433.72
08 33 39 00-0023	EA		8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,979.84	449.47
08 33 39 00-0024	EA		8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,335.26	465.23
08 33 39 00-0025	EA		8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,836.29	480.98
08 33 39 00-0026	EA		8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,248.14	496.74
08 33 39 00-0027			9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0028	EA		9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,320.90	417.96
08 33 39 00-0029	EA		9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,621.03	433.72
08 33 39 00-0030	EA		9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,014.83	449.47
08 33 39 00-0031	EA		9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,381.53	465.23
08 33 39 00-0032	EA		9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,766.31	480.98
08 33 39 00-0033	EA		9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,165.75	496.74
08 33 39 00-0034	EA		9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,603.57	512.49
08 33 39 00-0035			10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0036	EA		10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,650.37	433.72
08 33 39 00-0037	EA		10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,052.07	449.47
08 33 39 00-0038	EA		10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,415.39	465.23
08 33 39 00-0039	EA		10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,803.56	480.98
08 33 39 00-0040	EA		10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,233.47	496.74
08 33 39 00-0041	EA		10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,323.67	512.49
08 33 39 00-0042	EA		10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,051.55	528.24
08 33 39 00-0043			11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0044	EA		11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,073.52	449.47
08 33 39 00-0045	EA		11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,445.86	465.23
08 33 39 00-0046	EA		11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,838.54	480.98
08 33 39 00-0047	EA		11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,269.59	496.74
08 33 39 00-0048	EA		11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,553.91	512.49
08 33 39 00-0049	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,112.49	528.24
08 33 39 00-0050	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,570.62	544.00
08 33 39 00-0051			12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0052	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,456.02	465.23
08 33 39 00-0053	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,858.86	480.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0054	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,297.80	496.74
08 33 39 00-0055	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,592.29	512.49
08 33 39 00-0056	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,978.18	528.24
08 33 39 00-0057	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,622.54	544.00
08 33 39 00-0058	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,071.63	559.76

08 33 39 00-0059 Rytec® PredaDoor® Door Options *(08 33 39 00-0001)*

08 33 39 00-0060	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	366.80	92.67
08 33 39 00-0061	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	609.46	92.67
08 33 39 00-0062	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	9.14	

08 33 39 00-0063 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39)*

Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.

08 33 39 00-0064 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0063)*

08 33 39 00-0065 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*

08 33 39 00-0066	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,511.16	556.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0067	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,220.98	571.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0068	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,838.25	587.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0069	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,502.92	603.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0070	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,257.88	619.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0071	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,649.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 39 00-0072	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,266.68	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

08 33 39 00-0073 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*

08 33 39 00-0074	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,220.98	571.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0075	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,838.25	587.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0076	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,502.92	603.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0077	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,257.88	619.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0078	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,649.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0079	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,266.68	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0080	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,065.66	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0081		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0082	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,838.25	587.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0083	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,502.92	603.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0084	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,257.88	619.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0085	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,649.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0086	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,266.68	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0087	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,065.66	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0088	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,819.50	682.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 39 00-0089		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0090	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,502.92	603.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0091	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,257.88	619.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0092	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,649.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0093	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,266.68	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0094	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,065.66	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0095	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,819.50	682.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0096	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,663.63	697.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0097		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0098	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,257.88	619.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0099	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,649.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0100	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,266.68	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0101	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,065.66	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0102	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,819.50	682.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 39 00-0103	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,663.63	697.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0104	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,267.35	713.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 39 00-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*

08 33 39 00-0106	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,114.42	634.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0107	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,906.62	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0108	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,657.06	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0109	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,530.54	682.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0110	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,400.62	697.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0111	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,043.85	713.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0112	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,530.20	729.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 39 00-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*

08 33 39 00-0114	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,906.62	650.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0115	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,657.06	666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,530.54	682.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,400.62	697.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,043.85	713.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,530.20	729.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 39 00-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,258.07	745.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 39 00-0121 Rytec® Fast-Seal® Door Options *(08 33 39 00-0063)*

08 33 39 00-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	33.86
08 33 39 00-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	366.80
08 33 39 00-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	609.46
08 33 39 00-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	896.26
08 33 39 00-0126	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	214.44
08 33 39 00-0127	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	423.24
08 33 39 00-0128	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	536.10
08 33 39 00-0129	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	846.47
08 33 39 00-0130	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	248.30
08 33 39 00-0131	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	490.95
08 33 39 00-0132	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	609.46
08 33 39 00-0133	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	981.91

08 33 39 00-0134 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 39)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 39 00-0135 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 39 00-0134)*

08 33 39 00-0136 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*

08 33 39 00-0137	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,108.51	741.40
08 33 39 00-0138	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,750.61	757.16
08 33 39 00-0139	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,392.71	772.91
08 33 39 00-0140	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,035.94	788.67
08 33 39 00-0141	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,678.04	804.42
08 33 39 00-0142	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0143	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,182.28	835.93

08 33 39 00-0144 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*

08 33 39 00-0145	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,750.61	757.16
08 33 39 00-0146	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,392.71	772.91
08 33 39 00-0147	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,035.94	788.67
08 33 39 00-0148	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,678.04	804.42
08 33 39 00-0149	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0150	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,962.23	835.93
08 33 39 00-0151	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,824.37	851.68

08 33 39 00-0152 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0153	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,392.71	772.91
08 33 39 00-0154	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,035.94	788.67
08 33 39 00-0155	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,678.04	804.42
08 33 39 00-0156	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0157	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,962.23	835.93
08 33 39 00-0158	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,604.32	851.68
08 33 39 00-0159	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,466.47	867.44
08 33 39 00-0160		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0161	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,035.94	788.67
08 33 39 00-0162	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,678.04	804.42
08 33 39 00-0163	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0164	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,962.23	835.93
08 33 39 00-0165	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,604.32	851.68
08 33 39 00-0166	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,246.42	867.44
08 33 39 00-0167	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,107.45	883.19
08 33 39 00-0168		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0169	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,678.04	804.42
08 33 39 00-0170	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0171	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,962.23	835.93
08 33 39 00-0172	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,604.32	851.68
08 33 39 00-0173	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,246.42	867.44
08 33 39 00-0174	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,888.53	883.19
08 33 39 00-0175	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,750.68	898.95
08 33 39 00-0176		13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0177	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,320.14	820.17
08 33 39 00-0178	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,962.23	835.93
08 33 39 00-0179	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,604.32	851.68
08 33 39 00-0180	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,246.42	867.44
08 33 39 00-0181	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,888.53	883.19
08 33 39 00-0182	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,530.63	898.95
08 33 39 00-0183	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,392.78	914.70
08 33 39 00-0184		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0185	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,182.28	835.93
08 33 39 00-0186	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,824.37	851.68
08 33 39 00-0187	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,466.47	867.44
08 33 39 00-0188	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,107.45	883.19
08 33 39 00-0189	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,750.68	898.95
08 33 39 00-0190	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,392.78	914.70
08 33 39 00-0191	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,029.23	930.45
08 33 39 00-0192		Rytec® Spiral® Door Options *(08 33 39 00-0134)*		
08 33 39 00-0193	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	366.80	
08 33 39 00-0194	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	248.30	
08 33 39 00-0195	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	366.80	
08 33 39 00-0196	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	702.13	46.34
08 33 39 00-0197	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	2,013.73	92.67
08 33 39 00-0198	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,599.46	92.67
08 33 39 00-0199	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	4,090.41	92.67
08 33 39 00-0200		Activation And Control Box Options For High Speed Doors *(08 33 39)*		
08 33 39 00-0201	EA	Pull Cord For High-Speed Rolling Doors	182.96	46.34
08 33 39 00-0202	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	136.63	23.17
08 33 39 00-0203	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	170.49	23.17
08 33 39 00-0204	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	181.78	23.17
08 33 39 00-0205	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	322.85	23.17
08 33 39 00-0206	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	505.81	41.70
08 33 39 00-0207	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	691.16	
08 33 39 00-0208	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	437.77	41.70
08 33 39 00-0209	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	567.89	41.70
08 33 39 00-0210	EA	Motion Detector For High-Speed Rolling Doors	484.49	27.80

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0211	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	340.97	46.34
08 33 39 00-0212	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	459.47	46.34
08 33 39 00-0213	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	521.55	46.34
08 33 39 00-0214	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	645.70	46.34

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	8,719.36	500.92
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	9,027.89	500.92
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	9,336.41	500.92

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Doors *(08 34 13)*

Note: Doors to be filled with 4" F.I.P. polyurethane.

08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	10,337.31	729.40
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*363.99*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" F.I.P. Polyurethane	13,277.42	926.00
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*463.00*	

08 34 13 00-0004 Horizontal Sliding Doors *(08 34 13)*

Note: Doors to be filled with 4" F.I.P. polyurethane.

08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	8,310.28	582.54
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	9,361.42	656.90
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	12,072.56	865.71
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	7,200.19	529.30

08 34 13 00-0009 Horizontal Hinge Type *(08 34 13)*

Note: Doors to be filled with 4" F.I.P. polyurethane.

08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" F.I.P. Polyurethane	4,890.82	344.29

08 34 16 Hangar Doors *(08 34)*

08 34 16 00-0001	SF	70' To 120' Wide X To 20' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	50.41	13.89
08 34 16 00-0002	SF	120' To 180' Wide X To 20' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	45.54	13.89
08 34 16 00-0003	SF	120' To 180' Wide X 20-40' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	45.79	2.98
08 34 16 00-0004	SF	120' To 180' Wide X 40-60' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	47.37	1.99
08 34 16 00-0005	SF	120' To 180' Wide X 60-80' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	49.92	1.99
08 34 16 00-0006	SF	120' To 180' Wide x >80' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	77.81	1.99

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,031.80	165.06
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,267.03	172.47
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,345.08	176.17
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,482.47	179.88
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,727.05	189.15
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,760.12	184.79
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,957.74	189.15
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,043.34	193.50
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,240.98	197.86
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,600.41	208.98

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,089.68	184.79
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,194.85	197.86
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,781.88	220.10
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,860.97	220.10

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0018		**Single Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,644.78	165.06
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,919.56	172.47
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,089.91	176.17
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,365.72	179.88
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,735.55	189.15
08 34 23 00-0024		**Double Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O)	2,735.62	184.79
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O)	3,658.09	197.86
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O)	5,200.85	220.10
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O)	4,897.65	220.10
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1)	1,237.95	165.06
08 34 23 00-0031	EA	2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2)	1,300.43	172.47
08 34 23 00-0032	EA	3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3)	1,445.38	176.17
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4)	1,597.69	179.88
08 34 23 00-0034	EA	3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5)	1,853.70	189.15
08 34 23 00-0035	EA	2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6)	1,766.51	184.79
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7)	2,007.78	189.15
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8)	1,999.60	193.50
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9)	2,226.21	197.86
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10)	2,374.96	208.98
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1)	2,162.71	184.79
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2)	2,270.23	197.86
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3)	2,824.53	220.10
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4)	2,905.24	220.10
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O)	2,089.04	165.06
08 34 23 00-0047	EA	2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O)	2,210.22	172.47
08 34 23 00-0048	EA	3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O)	2,289.16	176.17
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O)	2,690.93	179.88
08 34 23 00-0050	EA	3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O)	3,167.06	189.15
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O)	3,483.37	184.79
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O)	3,891.71	197.86
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O)	5,766.67	220.10
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O)	5,619.93	220.10
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)* Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR)	1,627.22	165.06
08 34 23 00-0058	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR)	1,941.77	172.47
08 34 23 00-0059	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR)	2,062.47	176.17
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR)	2,185.42	179.88
08 34 23 00-0061	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR)	2,478.37	189.15
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL)	992.34	165.06
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL)	1,201.12	172.47
08 34 23 00-0066	EA	2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL)	1,285.82	176.17
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL)	1,337.49	179.88
08 34 23 00-0068	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL)	1,680.91	189.15
08 34 23 00-0069	EA	2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL)	1,516.29	184.79
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL)	1,694.10	189.15
08 34 23 00-0071	EA	2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL)	1,898.23	193.50
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL)	2,010.36	197.86
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL)	2,284.28	208.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0074		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1)	814.37	165.06
08 34 23 00-0076	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2)	977.02	172.47
08 34 23 00-0077	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3)	1,081.49	176.17
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4)	1,152.94	179.88
08 34 23 00-0079	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5)	1,338.17	189.15
08 34 23 00-0080		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL)	1,924.94	184.79
08 34 23 00-0082		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,845.58	197.86
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3)	2,590.82	220.10
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4)	2,643.55	220.10
08 34 23 00-0086		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1)	893.47	165.06
08 34 23 00-0088	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2)	1,042.93	172.47
08 34 23 00-0089	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3)	1,114.44	176.17
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4)	1,218.85	179.88
08 34 23 00-0091	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5)	1,423.86	189.15
08 34 23 00-0092		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2)	1,957.63	197.86
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3)	2,729.24	220.10
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4)	2,768.78	220.10
08 34 23 00-0096		Single Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1)	856.50	165.06
08 34 23 00-0098	EA	2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2)	955.60	172.47
08 34 23 00-0099	EA	3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3)	1,071.25	176.17
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4)	1,135.49	179.88
08 34 23 00-0101	EA	3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5)	1,290.15	189.15
08 34 23 00-0102	EA	2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,289.56	179.88
08 34 23 00-0103		Double Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0104	EA	4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1)	1,700.48	184.79
08 34 23 00-0105		Basement Doors *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series)	1,193.80	208.52
08 34 23 00-0107	EA	30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series)	983.69	158.01
08 34 23 00-0108	EA	22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series)	1,025.49	173.77
08 34 23 00-0109	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series)	1,095.64	185.35
08 34 23 00-0110	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series)	1,213.86	208.52
08 34 49		**Radiation Shielding Doors And Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors And Frames** *(08 34 49)*		
08 34 49 13-0001		Lead Lined Doors And Frames *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	89.17	9.26
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	108.97	9.26
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	96.19	9.26
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	102.79	9.26
08 34 53		**Security Doors And Frames** *(08 34)*		
08 34 53 00-0001		Metal Security Doors, Bullet Resistant *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	47.05	7.00
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	1,905.90	349.33
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	2,243.08	370.83

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 53 00-0005		**Metal Security Doors** *(08 34 53)* Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.	714.89	63.98
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O) Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.	714.89	63.98
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O) Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.	1,008.37	63.98
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)* Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	836.80	176.28
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	939.57	198.31
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,012.99	220.35
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,115.73	242.39
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	943.81	178.48
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,017.41	200.52
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,115.70	222.55
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,194.02	244.58
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	992.22	180.69
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,065.57	202.72
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,124.37	213.74
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,183.39	224.76
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,264.16	246.79
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,084.75	182.89
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,157.85	204.93
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,223.93	215.95
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,305.42	226.96
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,422.43	248.99
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,225.75	187.30
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,317.85	211.54
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,417.60	224.76
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,475.80	231.37
08 34 56 00-0024		**Pivoting Single Folding Gate** *(08 34 56)* Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	569.64	123.39
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	607.79	127.80
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	645.94	132.21
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	692.94	141.02
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	725.24	149.84
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	607.66	127.80
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	646.00	132.21
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	684.17	136.62
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	731.12	145.43
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	763.61	154.25
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	660.49	132.21
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	698.85	136.62
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	736.94	141.02
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	784.03	149.84
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	831.21	158.65
08 34 56 00-0040		**Window Gates, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	230.90	48.48
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	239.72	52.88
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	239.72	52.88
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	249.12	57.29
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	249.12	57.29
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	257.92	61.70
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	257.93	61.70
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	266.74	66.10
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	266.74	66.10
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	275.55	70.51
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	275.55	70.51
08 34 56 00-0052		**Pivoting Door Gate, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	284.37	74.92
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	286.16	74.92
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	297.35	79.33
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	308.54	83.74
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	310.91	83.74

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	322.11	88.14
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	324.49	88.14
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	334.94	92.54
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	338.05	92.54

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assemby *(08 34 73 13)*
Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*
Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	2,452.83	55.61
		For 60 Minutes Fire Rated, Add	*141.44*	
		For 3" x 33" Vision Lite, Add	*982.83*	
		For 20" x 64" Vision Lite, Add	*1,051.73*	
08 34 73 13-0004	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	2,598.91	57.92
		For 60 Minutes Fire Rated, Add	*141.44*	
		For 3" x 33" Vision Lite, Add	*982.83*	
		For 20" x 64" Vision Lite, Add	*1,051.73*	
08 34 73 13-0005	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)	2,749.61	62.56
		For 60 Minutes Fire Rated, Add	*141.44*	
		For 3" x 33" Vision Lite, Add	*982.83*	
		For 20" x 64" Vision Lite, Add	*1,051.73*	
08 34 73 13-0006	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	4,894.54	105.65
		For 1 Hour Fire Rated, Add	*282.88*	
		For 3" x 33" Windows, Add	*1,965.65*	
		For 20" x 64" Windows, Add	*2,103.47*	

08 34 73 13-0007 Steel Acoustical Door Frames *(08 34 73 13-0001)*

08 34 73 13-0008	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,020.44	92.67
08 34 73 13-0009	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,072.43	92.67
08 34 73 13-0010	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,124.41	92.67
08 34 73 13-0011	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,176.39	92.67
08 34 73 13-0012	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,309.76	101.95
08 34 73 13-0013	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,367.79	101.95
08 34 73 13-0014	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,419.77	101.95
08 34 73 13-0015	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,484.25	101.95
08 34 73 13-0016	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,603.12	106.57
08 34 73 13-0017	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,655.11	106.57
08 34 73 13-0018	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,707.09	106.57
08 34 73 13-0019	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,765.11	106.57
08 34 73 13-0020	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,590.53	120.48
08 34 73 13-0021	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,640.10	120.48
08 34 73 13-0022	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,693.29	120.48
08 34 73 13-0023	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,747.69	120.48

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*
Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	2,482.77	166.82
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	3,389.43	166.82

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0865 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,092.53	370.70
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,901.34	411.47
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	5,015.03	493.03
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	7,389.33	570.88
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,793.17	741.40
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,172.34	926.75
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	13,611.15	1,235.36

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,603.25	185.35
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*413.21*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,620.21	185.35
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*440.76*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*		
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,060.97	324.36
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*59.77*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*103.06*	
		For Aluminum, Mill Finish, Add	*47.00*	
		For Aluminum, Anodized Finish, Add	*131.50*	
08 36 13 00-0017	EA	8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,239.07	370.70
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*72.16*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*124.42*	
		For Aluminum, Mill Finish, Add	*56.73*	
		For Aluminum, Anodized Finish, Add	*158.76*	
08 36 13 00-0018	EA	8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,535.22	463.37
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*88.23*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*152.12*	
		For Aluminum, Mill Finish, Add	*69.37*	
		For Aluminum, Anodized Finish, Add	*194.10*	
08 36 13 00-0019	EA	10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,201.02	370.70
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*66.64*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*114.91*	
		For Aluminum, Mill Finish, Add	*52.40*	
		For Aluminum, Anodized Finish, Add	*146.62*	
08 36 13 00-0020	EA	10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,486.49	463.37
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*81.16*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*139.94*	
		For Aluminum, Mill Finish, Add	*63.81*	
		For Aluminum, Anodized Finish, Add	*178.56*	
08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,889.33	602.39
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*99.26*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*171.14*	
		For Aluminum, Mill Finish, Add	*78.04*	
		For Aluminum, Anodized Finish, Add	*218.37*	
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,262.15	741.40
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*113.01*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*194.84*	
		For Aluminum, Mill Finish, Add	*88.85*	
		For Aluminum, Anodized Finish, Add	*248.61*	
08 36 13 00-0023	EA	12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,454.46	463.37
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*76.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*131.93*	
		For Aluminum, Mill Finish, Add	*60.16*	
		For Aluminum, Anodized Finish, Add	*168.34*	
08 36 13 00-0024	EA	12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,841.28	602.39
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*92.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*159.13*	
		For Aluminum, Mill Finish, Add	*72.56*	
		For Aluminum, Anodized Finish, Add	*203.05*	
08 36 13 00-0025	EA	12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,253.47	741.40
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*111.75*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*192.67*	
		For Aluminum, Mill Finish, Add	*87.86*	
		For Aluminum, Anodized Finish, Add	*245.84*	
08 36 13 00-0026	EA	12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,664.32	880.42
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*131.01*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*225.88*	
		For Aluminum, Mill Finish, Add	*103.00*	
		For Aluminum, Anodized Finish, Add	*288.22*	
08 36 13 00-0027	EA	12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,194.55	1,065.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*154.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*265.76*	
		For Aluminum, Mill Finish, Add	*121.19*	
		For Aluminum, Anodized Finish, Add	*339.11*	
08 36 13 00-0028	EA	14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,777.87	602.39
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*83.10*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*143.28*	
		For Aluminum, Mill Finish, Add	*65.33*	
		For Aluminum, Anodized Finish, Add	*182.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0029	EA	14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,187.39	741.40
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*102.17*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*176.15*	
		For Aluminum, Mill Finish, Add	*80.32*	
		For Aluminum, Anodized Finish, Add	*224.76*	
08 36 13 00-0030	EA	14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,710.95	926.75
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*124.33*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*214.36*	
		For Aluminum, Mill Finish, Add	*97.75*	
		For Aluminum, Anodized Finish, Add	*273.52*	
08 36 13 00-0031	EA	14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,123.13	1,065.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*143.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*247.90*	
		For Aluminum, Mill Finish, Add	*113.04*	
		For Aluminum, Anodized Finish, Add	*316.32*	
08 36 13 00-0032	EA	14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,570.69	1,204.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*168.37*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*290.29*	
		For Aluminum, Mill Finish, Add	*132.37*	
		For Aluminum, Anodized Finish, Add	*370.40*	
08 36 13 00-0033	EA	16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,164.03	741.40
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*98.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*170.31*	
		For Aluminum, Mill Finish, Add	*77.66*	
		For Aluminum, Anodized Finish, Add	*217.31*	
08 36 13 00-0034	EA	16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,686.25	926.75
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*120.75*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*208.19*	
		For Aluminum, Mill Finish, Add	*94.93*	
		For Aluminum, Anodized Finish, Add	*265.64*	
08 36 13 00-0035	EA	16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,135.80	1,065.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*145.62*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*251.07*	
		For Aluminum, Mill Finish, Add	*114.49*	
		For Aluminum, Anodized Finish, Add	*320.37*	
08 36 13 00-0036	EA	16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,670.82	1,204.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*182.88*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*315.32*	
		For Aluminum, Mill Finish, Add	*143.78*	
		For Aluminum, Anodized Finish, Add	*402.35*	
08 36 13 00-0037	EA	16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,262.47	1,390.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*214.92*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*370.55*	
		For Aluminum, Mill Finish, Add	*168.97*	
		For Aluminum, Anodized Finish, Add	*472.82*	
08 36 13 00-0038	EA	18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,737.66	926.75
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*128.20*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*221.04*	
		For Aluminum, Mill Finish, Add	*100.79*	
		For Aluminum, Anodized Finish, Add	*282.04*	
08 36 13 00-0039	EA	18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,227.92	1,065.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*158.98*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*274.10*	
		For Aluminum, Mill Finish, Add	*124.99*	
		For Aluminum, Anodized Finish, Add	*349.75*	
08 36 13 00-0040	EA	18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,817.66	1,204.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*204.18*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*352.03*	
		For Aluminum, Mill Finish, Add	*160.52*	
		For Aluminum, Anodized Finish, Add	*449.19*	
08 36 13 00-0041	EA	18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,409.98	1,390.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*236.31*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*407.43*	
		For Aluminum, Mill Finish, Add	*185.79*	
		For Aluminum, Anodized Finish, Add	*519.88*	
08 36 13 00-0042	EA	18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,043.67	1,575.48
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*274.44*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*473.18*	
		For Aluminum, Mill Finish, Add	*215.77*	
		For Aluminum, Anodized Finish, Add	*603.77*	
08 36 13 00-0043	EA	20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,123.13	1,065.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*143.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*247.90*	
		For Aluminum, Mill Finish, Add	*113.04*	
		For Aluminum, Anodized Finish, Add	*316.32*	
08 36 13 00-0044	EA	20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,613.41	1,204.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*174.56*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*300.97*	
		For Aluminum, Mill Finish, Add	*137.24*	
		For Aluminum, Anodized Finish, Add	*384.03*	
08 36 13 00-0045	EA	20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,358.59	1,390.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*228.86*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*394.58*	
		For Aluminum, Mill Finish, Add	*179.93*	
		For Aluminum, Anodized Finish, Add	*503.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0046	EA	20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,950.89	1,575.48
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*260.99*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*449.98*	
		For Aluminum, Mill Finish, Add	*205.19*	
		For Aluminum, Anodized Finish, Add	*574.17*	
08 36 13 00-0047	EA	20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,921.00	1,760.82
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*347.90*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*599.83*	
		For Aluminum, Mill Finish, Add	*273.52*	
		For Aluminum, Anodized Finish, Add	*765.38*	
08 36 13 00-0048	EA	22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,495.93	1,204.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*157.53*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*271.60*	
		For Aluminum, Mill Finish, Add	*123.85*	
		For Aluminum, Anodized Finish, Add	*346.56*	
08 36 13 00-0049	EA	22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,215.08	1,390.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*208.05*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*358.70*	
		For Aluminum, Mill Finish, Add	*163.57*	
		For Aluminum, Anodized Finish, Add	*457.70*	
08 36 13 00-0050	EA	22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,920.86	1,575.48
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*256.63*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*442.47*	
		For Aluminum, Mill Finish, Add	*201.77*	
		For Aluminum, Anodized Finish, Add	*564.59*	
08 36 13 00-0051	EA	22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,705.40	1,760.82
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*316.64*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*545.93*	
		For Aluminum, Mill Finish, Add	*248.94*	
		For Aluminum, Anodized Finish, Add	*696.61*	
08 36 13 00-0052	EA	22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,393.12	1,946.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*362.61*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*625.19*	
		For Aluminum, Mill Finish, Add	*285.09*	
		For Aluminum, Anodized Finish, Add	*797.75*	
08 36 13 00-0053	EA	24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,931.41	1,390.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*166.92*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*287.79*	
		For Aluminum, Mill Finish, Add	*131.23*	
		For Aluminum, Anodized Finish, Add	*367.21*	
08 36 13 00-0054	EA	24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,671.21	1,575.48
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*220.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*380.06*	
		For Aluminum, Mill Finish, Add	*173.31*	
		For Aluminum, Anodized Finish, Add	*484.96*	
08 36 13 00-0055	EA	24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,526.52	1,760.82
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*290.70*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*501.21*	
		For Aluminum, Mill Finish, Add	*228.55*	
		For Aluminum, Anodized Finish, Add	*639.54*	
08 36 13 00-0056	EA	24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,155.50	1,946.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*328.16*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*565.79*	
		For Aluminum, Mill Finish, Add	*258.00*	
		For Aluminum, Anodized Finish, Add	*721.94*	
08 36 13 00-0057	EA	24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,855.27	2,131.52
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*375.87*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*648.06*	
		For Aluminum, Mill Finish, Add	*295.51*	
		For Aluminum, Anodized Finish, Add	*826.92*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,257.40	324.36
		For Aluminum, Mill Finish, Add	*69.39*	
		For Aluminum, Anodized Finish, Add	*194.17*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*30.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*133.91*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,482.88	370.70
		For Aluminum, Mill Finish, Add	*84.53*	
		For Aluminum, Anodized Finish, Add	*236.53*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*37.07*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*163.13*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,829.35	463.37
		For Aluminum, Mill Finish, Add	*102.90*	
		For Aluminum, Anodized Finish, Add	*287.93*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*45.13*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*198.57*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,455.80	370.70
		For Aluminum, Mill Finish, Add	*81.44*	
		For Aluminum, Anodized Finish, Add	*227.89*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*35.72*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*157.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,796.00	463.37
		For Aluminum, Mill Finish, Add	*99.09*	
		For Aluminum, Anodized Finish, Add	*277.29*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*43.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*191.24*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,296.20	602.39
		For Aluminum, Mill Finish, Add	*124.42*	
		For Aluminum, Anodized Finish, Add	*348.17*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*54.57*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*240.11*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,706.41	741.40
		For Aluminum, Mill Finish, Add	*139.49*	
		For Aluminum, Anodized Finish, Add	*390.33*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*61.18*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*269.19*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,745.02	463.37
		For Aluminum, Mill Finish, Add	*93.28*	
		For Aluminum, Anodized Finish, Add	*261.03*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*40.91*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*180.02*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,199.90	602.39
		For Aluminum, Mill Finish, Add	*113.44*	
		For Aluminum, Anodized Finish, Add	*317.45*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*49.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*218.93*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,689.42	741.40
		For Aluminum, Mill Finish, Add	*137.55*	
		For Aluminum, Anodized Finish, Add	*384.91*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*60.33*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*265.46*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,158.15	880.42
		For Aluminum, Mill Finish, Add	*159.30*	
		For Aluminum, Anodized Finish, Add	*445.75*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*69.87*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*307.41*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,830.97	1,065.76
		For Aluminum, Mill Finish, Add	*193.74*	
		For Aluminum, Anodized Finish, Add	*542.12*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*84.97*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*373.88*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,125.00	602.39
		For Aluminum, Mill Finish, Add	*104.91*	
		For Aluminum, Anodized Finish, Add	*293.55*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*46.01*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*202.45*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,629.62	741.40
		For Aluminum, Mill Finish, Add	*130.74*	
		For Aluminum, Anodized Finish, Add	*365.84*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*57.34*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*252.30*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,223.78	926.75
		For Aluminum, Mill Finish, Add	*156.21*	
		For Aluminum, Anodized Finish, Add	*437.12*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*68.51*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*301.46*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,773.06	1,065.76
		For Aluminum, Mill Finish, Add	*187.14*	
		For Aluminum, Anodized Finish, Add	*523.65*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*82.08*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*361.14*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,312.30	1,204.78
		For Aluminum, Mill Finish, Add	*216.91*	
		For Aluminum, Anodized Finish, Add	*606.98*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*95.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*418.61*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,564.79	741.40
		For Aluminum, Mill Finish, Add	*123.35*	
		For Aluminum, Anodized Finish, Add	*345.15*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*54.10*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*238.04*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,274.13	926.75
		For Aluminum, Mill Finish, Add	*161.95*	
		For Aluminum, Anodized Finish, Add	*453.18*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*71.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*312.54*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,807.05	1,065.76
		For Aluminum, Mill Finish, Add	*191.01*	
		For Aluminum, Anodized Finish, Add	*534.49*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*83.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*368.62*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,342.51	1,204.78
		For Aluminum, Mill Finish, Add	*220.36*	
		For Aluminum, Anodized Finish, Add	*616.61*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*96.65*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*425.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,100.95	1,390.12
		For Aluminum, Mill Finish, Add	*264.56*	
		For Aluminum, Anodized Finish, Add	*740.30*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*116.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*510.55*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,029.91	926.75
		For Aluminum, Mill Finish, Add	*134.11*	
		For Aluminum, Anodized Finish, Add	*375.27*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*58.82*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*258.81*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,672.98	1,065.76
		For Aluminum, Mill Finish, Add	*175.73*	
		For Aluminum, Anodized Finish, Add	*491.73*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*77.07*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*339.12*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,231.73	1,204.78
		For Aluminum, Mill Finish, Add	*207.73*	
		For Aluminum, Anodized Finish, Add	*581.28*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*91.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*400.88*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,165.15	1,390.12
		For Aluminum, Mill Finish, Add	*271.88*	
		For Aluminum, Anodized Finish, Add	*760.78*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*119.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*524.67*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,711.46	1,575.48
		For Aluminum, Mill Finish, Add	*291.90*	
		For Aluminum, Anodized Finish, Add	*816.80*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*128.02*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*563.31*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,661.02	1,065.76
		For Aluminum, Mill Finish, Add	*174.36*	
		For Aluminum, Anodized Finish, Add	*487.91*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*76.48*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*336.49*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,259.43	1,204.78
		For Aluminum, Mill Finish, Add	*210.89*	
		For Aluminum, Anodized Finish, Add	*590.11*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*92.49*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*406.97*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,294.18	1,390.12
		For Aluminum, Mill Finish, Add	*286.59*	
		For Aluminum, Anodized Finish, Add	*801.94*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*125.70*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*553.06*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,826.64	1,575.48
		For Aluminum, Mill Finish, Add	*305.03*	
		For Aluminum, Anodized Finish, Add	*853.54*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*133.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*588.65*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,699.00	1,760.82
		For Aluminum, Mill Finish, Add	*362.21*	
		For Aluminum, Anodized Finish, Add	*1,013.57*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*158.87*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*699.01*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,052.35	1,204.78
		For Aluminum, Mill Finish, Add	*187.28*	
		For Aluminum, Anodized Finish, Add	*524.05*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*82.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*361.42*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,910.24	1,390.12
		For Aluminum, Mill Finish, Add	*242.82*	
		For Aluminum, Anodized Finish, Add	*679.46*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*106.50*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*468.59*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,757.41	1,575.48
		For Aluminum, Mill Finish, Add	*297.13*	
		For Aluminum, Anodized Finish, Add	*831.45*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*130.32*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*573.42*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,460.45	1,760.82
		For Aluminum, Mill Finish, Add	*335.02*	
		For Aluminum, Anodized Finish, Add	*937.47*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*146.94*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*646.53*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,307.59	1,946.18
		For Aluminum, Mill Finish, Add	*389.34*	
		For Aluminum, Anodized Finish, Add	*1,089.46*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*170.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*751.35*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,562.17	1,390.12
		For Aluminum, Mill Finish, Add	*203.14*	
		For Aluminum, Anodized Finish, Add	*568.43*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*89.10*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*392.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,489.91	1,575.48
		For Aluminum, Mill Finish, Add	*266.64*	
		For Aluminum, Anodized Finish, Add	*746.12*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*116.95*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*514.57*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,301.22	1,760.82
		For Aluminum, Mill Finish, Add	*316.87*	
		For Aluminum, Anodized Finish, Add	*886.67*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*138.98*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*611.50*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,149.62	1,946.18
		For Aluminum, Mill Finish, Add	*371.33*	
		For Aluminum, Anodized Finish, Add	*1,039.07*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*162.86*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*716.60*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,987.34	2,131.52
		For Aluminum, Mill Finish, Add	*424.57*	
		For Aluminum, Anodized Finish, Add	*1,188.05*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*186.21*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*819.34*	
08 36 13 00-0101		**Residential Grade, Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
		Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA	9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	993.17	185.35
		For Aluminum And Fiberglass, Add	*164.24*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*280.79*	
08 36 13 00-0103	EA	9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,088.25	185.35
		For Aluminum And Fiberglass, Add	*193.71*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*331.19*	
08 36 13 00-0104	EA	16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,405.12	212.04
		For Aluminum And Fiberglass, Add	*271.61*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*464.36*	
08 36 13 00-0105	EA	16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,554.52	212.04
		For Aluminum And Fiberglass, Add	*317.92*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*543.54*	
08 36 13 00-0106		**Remove And Reinstall Sectional Metal Overhead Doors And Supports** *(08 36 13 00-0013)*		
		Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	13.25	
08 36 13 00-0108		**Sectional Fiberglass Overhead Doors (Width x Height)** *(08 36 13)*		
08 36 13 00-0109		**Fiberglass Sectional Overhead Doors** *(08 36 13 00-0108)*		
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,406.36	324.36
08 36 13 00-0112	EA	8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,654.70	370.70
08 36 13 00-0113	EA	8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,983.33	463.37
08 36 13 00-0114	EA	10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,639.74	370.70
08 36 13 00-0115	EA	10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,930.46	417.04
08 36 13 00-0116	EA	10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,467.94	579.22
08 36 13 00-0117	EA	10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,007.39	741.40
08 36 13 00-0118	EA	12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,962.15	463.37
08 36 13 00-0119	EA	12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,459.22	579.22
08 36 13 00-0120	EA	12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,951.05	695.06
08 36 13 00-0121	EA	12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,673.87	926.75
08 36 13 00-0122	EA	12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,306.75	1,112.10
08 36 13 00-0123	EA	14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,469.70	648.73
08 36 13 00-0124	EA	14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,955.06	741.40
08 36 13 00-0125	EA	14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,629.02	926.75
08 36 13 00-0126	EA	14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,301.77	1,112.10
08 36 13 00-0127	EA	14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,790.68	1,204.78
08 36 13 00-0128	EA	16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,809.28	741.40
08 36 13 00-0129	EA	16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,323.91	834.08
08 36 13 00-0130	EA	16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,031.81	1,019.43
08 36 13 00-0131	EA	16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,732.12	1,204.78
08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,248.41	1,297.45
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	1,656.35	324.36
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	1,956.08	370.70
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,332.00	463.37
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	1,936.20	370.70

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,292.29	417.04
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,900.08	579.22
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	3,510.66	741.40
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,303.83	463.37
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,888.48	579.22
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,466.25	695.06
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,274.59	926.75
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	4,994.23	1,112.10
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,856.61	648.73
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,441.06	741.40
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,214.93	926.75
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,987.60	1,112.10
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,576.84	1,204.78
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,247.17	741.40
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,870.36	834.08
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,689.27	1,019.43
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,498.96	1,204.78
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,124.20	1,297.45

08 36 13 00-0156 Sectional Overhead Door Accessories *(08 36 13)*

08 36 13 00-0157 Sectional Overhead Door Accessories *(08 36 13 00-0156)*

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	3.27
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	4.68
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	2.71
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	273.15
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	451.80
08 36 13 00-0163	EA	Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,815.29
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	824.77
08 36 13 00-0165	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.89
08 36 13 00-0166	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.03
08 36 13 00-0167	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	21.84
08 36 13 00-0168	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	14.89
08 36 13 00-0169	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	35.14
08 36 13 00-0170	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	23.72
08 36 13 00-0171	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	328.28
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	506.72
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	777.18
08 36 13 00-0174	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	0.69
08 36 13 00-0175	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	0.89
08 36 13 00-0176	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.17

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	9.63	4.64
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.50*	
		For Ribbed Strip Material, Add	*1.05*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	12.14	5.10
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.70*	
		For Ribbed Strip Material, Add	*1.48*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	10.93	4.64
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.63*	
		For Ribbed Strip Material, Add	*1.32*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	13.00	5.10
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.79*	
		For Ribbed Strip Material, Add	*1.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	12.63	4.64
		For Cooler/Freezer Doors, USDA Grade, Add	*0.80*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.68*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	25.22	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*1.60*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.35*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	27.62	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*1.84*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.86*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	50.90	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*4.16*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*8.74*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	61.01	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*5.18*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*10.87*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	71.45	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*6.22*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*13.06*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	117.00	9.26
		For Cooler/Freezer Doors, USDA Grade, Add	*10.77*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*22.63*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,703.06	92.67
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,833.52	92.67
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	3,732.90	106.57
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	4,185.36	115.85
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,443.10	115.85
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,735.17	115.85
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,506.30	139.01

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,884.68	92.67
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,029.96	92.67
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	4,401.89	106.57
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	4,851.38	115.85
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,206.94	115.85
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,504.03	115.85
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	8,361.67	139.01

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	857.73	50.97
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	921.39	50.97

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	921.39	50.97
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	939.35	50.97
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,687.65	88.05
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,814.98	88.05
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,814.98	88.05
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,850.89	88.05

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	441.47	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	470.85	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	486.92	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	504.88	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	527.49	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	566.67	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	591.97	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	492.07	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	514.93	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	532.63	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	545.69	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	594.42	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	604.21	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	627.88	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	855.13	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	913.89	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	936.75	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	972.66	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,017.87	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,096.23	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,119.08	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	956.34	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,002.04	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,028.16	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,054.28	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,151.73	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,171.32	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,190.91	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.

08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	741.83	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	818.55	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	854.21	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	886.86	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	901.31	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	968.24	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,042.51	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,053.94	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	807.13	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	887.11	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	922.77	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	963.58	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	997.62	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,062.92	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,102.91	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,143.72	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,455.85	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,609.30	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,671.33	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,736.62	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,765.51	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,899.37	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,020.17	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,043.02	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,586.44	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,746.42	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,808.45	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,890.07	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,958.14	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,088.73	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,140.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,222.59	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0075		3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*		
		Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076		Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*		
08 38 19 00-0077		84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	781.01	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	878.95	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	909.71	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	919.51	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	933.96	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,025.37	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,114.33	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,125.76	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	802.23	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	923.03	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	955.42	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	968.48	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	976.40	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,043.33	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,130.66	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,143.72	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,534.21	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,730.09	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,782.33	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,801.92	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,830.81	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,013.64	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,163.82	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,186.67	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,576.65	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,818.24	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,873.75	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,899.86	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,915.69	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,049.55	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,196.47	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,222.59	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	976.90	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,063.41	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,090.91	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,112.13	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,152.70	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,193.51	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,240.03	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,267.78	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,050.35	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,141.77	50.97
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,170.89	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,182.32	53.29
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,219.63	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,273.50	55.61
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,313.49	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,341.24	62.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,925.98	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,099.02	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,144.72	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,187.17	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,268.29	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,349.91	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,415.21	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,470.71	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,072.90	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,255.73	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,304.70	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,327.55	88.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,402.15	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,509.89	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,562.12	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,617.63	92.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	960.57	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,007.91	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,054.99	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,082.75	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,155.97	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,211.47	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,269.41	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,321.65	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	993.22	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,050.35	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,082.75	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,121.92	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,200.04	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,266.97	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,321.65	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,370.62	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,076.47	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,087.90	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,139.88	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,175.79	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,255.54	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,335.53	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,386.95	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,435.92	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,893.33	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,988.01	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,072.90	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,128.40	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,274.82	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,385.83	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,473.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,578.45	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,958.63	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,072.90	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,128.40	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,206.76	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,362.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,496.83	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,578.45	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,676.39	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,125.14	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,147.99	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,242.67	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,314.49	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,473.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,633.95	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,709.04	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,806.98	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	960.57	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,007.91	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,054.99	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,082.75	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,155.97	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,211.47	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,269.41	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,321.65	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	993.22	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,050.35	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,082.75	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,121.92	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,200.04	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,266.97	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,321.65	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,370.62	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,076.47	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,087.90	50.97
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,139.88	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,175.79	53.29
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,255.54	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,335.53	55.61
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,386.95	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,435.92	62.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,893.33	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,988.01	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,072.90	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,128.40	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,274.82	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,385.83	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,473.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,578.45	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,958.63	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,072.90	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,128.40	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,206.76	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,362.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,496.83	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,578.45	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,676.39	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0258		96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,125.14	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,147.99	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,242.67	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,314.49	88.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,473.97	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,633.95	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,709.04	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,806.98	92.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0267		Rigid Impact Traffic Door Accessories *(08 38 19)*		
08 38 19 00-0268		Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	97.47	37.07
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	105.63	37.07
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	112.16	37.07
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	123.59	37.07
08 38 19 00-0273		Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	229.69	37.07
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	298.25	37.07
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	430.48	37.07
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	494.14	37.07
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	559.44	37.07
08 38 19 00-0279		Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	112.16	37.07
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	118.69	37.07
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	126.85	37.07
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	138.28	37.07
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	144.81	37.07
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	144.81	37.07
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	174.19	37.07
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	190.52	37.07
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	213.37	37.07
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	228.06	37.07
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	174.19	37.07
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	200.31	37.07
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	219.90	37.07
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	255.81	37.07
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	280.30	37.07
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	190.52	37.07
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	219.90	37.07
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	252.55	37.07
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	270.50	37.07
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	298.25	37.07

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	228.06	37.07
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	280.30	37.07
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	298.25	37.07
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	332.53	37.07
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	370.08	37.07
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	108.90	37.07
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	115.43	37.07
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	118.69	37.07
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	133.38	37.07
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	139.91	37.07
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	133.38	37.07
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	143.18	37.07
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	152.97	37.07
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	161.13	37.07
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	174.19	37.07
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	149.71	37.07
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	157.87	37.07
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	177.46	37.07
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	198.68	37.07
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	208.47	37.07
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	157.87	37.07
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	174.19	37.07
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	198.68	37.07
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	218.27	37.07
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	229.69	37.07
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	195.41	37.07
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	218.27	37.07
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	249.28	37.07
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	263.97	37.07
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	283.56	37.07
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	138.28	37.07
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	144.81	37.07
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	164.40	37.07
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	174.19	37.07
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	201.94	37.07
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	183.99	37.07
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	213.37	37.07
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	242.75	37.07
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	278.67	37.07
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	311.31	37.07
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	206.84	37.07
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	246.02	37.07
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	281.93	37.07
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	319.48	37.07

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	363.55	37.07
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	236.22	37.07
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	278.67	37.07
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	327.64	37.07
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	374.98	37.07
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	415.79	37.07
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	288.46	37.07
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	389.67	37.07
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	415.79	37.07
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	494.14	37.07
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	539.85	37.07
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	125.22	37.07
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	133.38	37.07
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	143.18	37.07
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	154.60	37.07
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	172.56	37.07
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	161.13	37.07
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	180.72	37.07
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	200.31	37.07
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	221.53	37.07
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	246.02	37.07
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	180.72	37.07
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	205.21	37.07
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	232.96	37.07
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	267.24	37.07
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	290.09	37.07
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	200.31	37.07
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	232.96	37.07
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	267.24	37.07
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	301.52	37.07
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	326.00	37.07
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	246.02	37.07
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	296.62	37.07
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	326.00	37.07
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	384.77	37.07
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	401.10	37.07
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	168.77	46.34
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	217.74	46.34
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	397.31	46.34
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	49.29	23.17
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	60.72	23.17
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	130.91	23.17

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	160.29	23.17
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	72.14	23.17
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	430.57	69.51
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	500.02	76.46
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	514.82	81.09
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	533.58	88.05
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	549.10	92.67
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	573.34	97.31
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	592.62	101.95
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	607.37	106.57
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	437.85	69.51
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	508.69	76.46
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	523.64	81.09
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	542.51	88.05
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	558.19	92.67
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	582.80	97.31
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	602.33	101.95
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	617.23	106.57
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	447.53	69.51
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	520.21	76.46
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	535.35	81.09
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	551.52	88.05
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	570.27	92.67
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	592.27	97.31
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	615.24	101.95
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	631.04	104.26
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	615.78	106.57
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	627.58	108.43
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	638.93	111.21
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	657.58	115.85
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	671.33	120.48
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	690.16	121.41
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	703.75	122.80
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	720.90	125.11
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	625.84	106.57
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	637.78	108.43
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	649.34	111.21
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	668.23	115.85
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	682.11	120.48
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	701.34	121.41
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	715.20	122.80
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	732.67	125.11
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	637.57	106.57
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	647.97	108.43
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	663.17	111.21
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	678.87	115.85
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	696.39	120.48
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	717.83	121.41
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	730.41	122.80
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	748.49	125.11

08 40 Entrances, Storefronts, And Curtain Walls *(08)*

08 42 Entrances *(08 40)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13		**Aluminum-Framed Entrances** *(08 42)*		
08 42 13 00-0001		Aluminum Framed Entrance Doors *(08 42 13)* Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 23 00-2087 for exit device, 08 71 23 00-2235 for closer.		
08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,081.00	568.99
		For 8' High Door, Add	*371.21*	
		For 10' High Door, Add	*806.99*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,101.92	568.99
		For 8' High Door, Add	*373.62*	
		For 10' High Door, Add	*812.22*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	6,870.06	853.32
		For 8' High Door, Add	*643.20*	
		For 10' High Door, Add	*1,398.26*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	7,899.17	853.32
		For 8' High Door, Add	*761.55*	
		For 10' High Door, Add	*1,655.54*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,520.26	568.99
		For 8' High Door, Add	*421.73*	
		For 10' High Door, Add	*916.80*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,568.37	568.99
		For 8' High Door, Add	*427.26*	
		For 10' High Door, Add	*928.83*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	7,700.46	853.32
		For 8' High Door, Add	*738.69*	
		For 10' High Door, Add	*1,605.86*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	8,705.32	853.32
		For 8' High Door, Add	*854.25*	
		For 10' High Door, Add	*1,857.07*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 26		**All-Glass Entrances** *(08 42)*		
08 42 26 00-0001		Full Glass Entrance Doors *(08 42 26)* Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.		
08 42 26 00-0002	EA	3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,142.63	213.26
		For Anodized Color, Add	*412.12*	
		For Stainless Steel, Add	*1,488.23*	
		For 8' High Door, Add	*263.30*	
		For 10' High Door, Add	*572.40*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2")	5,541.66	255.92
		For Anodized Color, Add	*778.14*	
		For Stainless Steel, Add	*2,809.96*	
		For 8' High Door, Add	*497.15*	
		For 10' High Door, Add	*1,080.75*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,555.11	213.26
		For Anodized Color, Add	*486.37*	
		For Stainless Steel, Add	*1,756.34*	
		For 8' High Door, Add	*310.74*	
		For 10' High Door, Add	*675.52*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8")	6,429.76	255.92
		For Anodized Color, Add	*938.00*	
		For Stainless Steel, Add	*3,387.22*	
		For 8' High Door, Add	*599.28*	
		For 10' High Door, Add	*1,302.78*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,965.97	213.26
		For Anodized Color, Add	*560.33*	
		For Stainless Steel, Add	*2,023.40*	
		For 8' High Door, Add	*357.99*	
		For 10' High Door, Add	*778.23*	
		For 1" Insulated Glazing, Add	*77.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4")	7,316.40	255.92
		For Anodized Color, Add	*1,097.60*	
		For Stainless Steel, Add	*3,963.54*	
		For 8' High Door, Add	*701.24*	
		For 10' High Door, Add	*1,524.44*	
		For 1" Insulated Glazing, Add	*155.72*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,789.29	213.26
		For Anodized Color, Add	*708.52*	
		For Stainless Steel, Add	*2,558.56*	
		For 8' High Door, Add	*452.67*	
		For 10' High Door, Add	*984.06*	
		For 1" Insulated Glazing, Add	*77.86*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1")	9,091.14	255.92
		For Anodized Color, Add	*1,417.05*	
		For Stainless Steel, Add	*5,117.12*	
		For 8' High Door, Add	*905.34*	
		For 10' High Door, Add	*1,968.12*	
		For 1" Insulated Glazing, Add	*155.72*	

08 42 26 00-0010 Frames For Full Glass Doors *(08 42 26)*

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	18.81	2.56
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	24.49	3.41

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,398.43	85.31
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*92.09*	
		For Emergency Egress On All Panels, Add	*245.56*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,568.02	115.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*100.33*	
		For Emergency Egress On All Panels, Add	*267.54*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,707.58	127.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*108.87*	
		For Emergency Egress On All Panels, Add	*290.33*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,843.46	140.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*117.15*	
		For Emergency Egress On All Panels, Add	*312.39*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,412.36	170.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*155.33*	
		For Emergency Egress On All Panels, Add	*414.23*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,520.96	200.47
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*159.00*	
		For Emergency Egress On All Panels, Add	*424.00*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,344.28	230.32
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*216.27*	
		For Emergency Egress On All Panels, Add	*576.73*	

08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Bi-parting.

08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,829.42	213.26
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*180.22*	
		For Emergency Egress On All Panels, Add	*480.58*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,102.83	234.59
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*197.52*	
		For Emergency Egress On All Panels, Add	*526.73*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,376.26	255.92
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*214.83*	
		For Emergency Egress On All Panels, Add	*572.88*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,060.20	277.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*262.93*	
		For Emergency Egress On All Panels, Add	*701.14*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,744.15	298.49
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*311.03*	
		For Emergency Egress On All Panels, Add	*829.40*	

08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*

Note: Single sliding.

08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,282.76	85.31
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*83.41*	
		For Emergency Egress On All Panels, Add	*222.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,442.01	115.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*90.88*	
		For Emergency Egress On All Panels, Add	*242.34*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,568.70	127.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*98.46*	
		For Emergency Egress On All Panels, Add	*262.56*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,696.31	140.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*106.11*	
		For Emergency Egress On All Panels, Add	*282.96*	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,217.25	170.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*140.70*	
		For Emergency Egress On All Panels, Add	*375.20*	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,321.24	200.47
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*144.02*	
		For Emergency Egress On All Panels, Add	*384.06*	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,072.65	230.32
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*195.90*	
		For Emergency Egress On All Panels, Add	*522.40*	
08 42 29 23-0025		4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,603.06	213.26
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*163.24*	
		For Emergency Egress On All Panels, Add	*435.31*	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,854.72	234.59
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*178.92*	
		For Emergency Egress On All Panels, Add	*477.11*	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,106.40	255.92
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*194.59*	
		For Emergency Egress On All Panels, Add	*518.91*	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,729.94	277.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*238.16*	
		For Emergency Egress On All Panels, Add	*635.09*	
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,353.49	298.49
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*281.73*	
		For Emergency Egress On All Panels, Add	*751.27*	
08 42 29 23-0031		Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0032		2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,593.93	85.31
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*106.75*	
		For Emergency Egress On All Panels, Add	*284.66*	
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,781.04	115.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*116.30*	
		For Emergency Egress On All Panels, Add	*310.14*	
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,066.58	127.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*135.80*	
		For Emergency Egress On All Panels, Add	*362.13*	
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,367.89	140.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*156.48*	
		For Emergency Egress On All Panels, Add	*417.28*	
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,742.17	170.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*180.07*	
		For Emergency Egress On All Panels, Add	*480.19*	
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,858.53	200.47
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*184.32*	
		For Emergency Egress On All Panels, Add	*491.52*	
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,803.48	230.32
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*250.71*	
		For Emergency Egress On All Panels, Add	*668.57*	
08 42 29 23-0040		4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Bi-parting.		
08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,212.05	213.26
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*208.91*	
		For Emergency Egress On All Panels, Add	*557.10*	
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,522.20	234.59
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*228.98*	
		For Emergency Egress On All Panels, Add	*610.60*	
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,832.36	255.92
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*249.04*	
		For Emergency Egress On All Panels, Add	*664.10*	
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	4,618.43	277.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*304.80*	
		For Emergency Egress On All Panels, Add	*812.79*	
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,404.51	298.57
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*360.55*	
		For Emergency Egress On All Panels, Add	*961.47*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0046		Accessories For Sliding Automatic Entrances *(08 42 29 23)*		
		See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	3,990.34	926.75
		Note: Includes motor for pair of sliding doors (2 panels).		
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	6,571.40	1,390.12
		Note: Includes motor for pair of sliding doors (4 panel).		
08 42 29 33		**Swinging Automatic Entrances** *(08 42 29)*		
		Note: Excludes glazing.		
08 42 29 33-0001		Swing Door Operators, Up To 350 LB Panel Weight *(08 42 29 33)*		
		Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel	2,803.27	457.49
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	4,692.14	610.01
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,320.59	365.98
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	4,091.72	548.98
08 42 29 33-0006		Activation Devices For Door Operators *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	344.09	36.59
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	305.69	36.59
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	308.75	36.59
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	Push Plate For Door Operator (MS Sedco 59 Series)	130.93	36.59
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series)	106.93	36.59
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	532.42	91.50
		Note: Includes receiver and two push plate transmitters.		
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0013	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	740.19	45.75
		Note: Includes wiring harness and relays.		
08 42 29 33-0014	EA	Guard Rail For Door With Operator	173.22	45.75
08 42 33		**Revolving Door Entrances** *(08 42)*		
08 42 33 00-0001		Aluminum Revolving Doors *(08 42 33)*		
		Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	25,446.32	4,768.40
		For Automatic Controls, Add	*7,472.64*	
		For Powder Coated, Add	*879.14*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	34,877.62	7,152.69
		For Automatic Controls, Add	*8,783.96*	
		For Powder Coated, Add	*1,104.74*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	51,514.02	8,583.20
		For Automatic Controls, Add	*9,570.76*	
		For Powder Coated, Add	*1,953.64*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	28,284.29	5,245.19
		For Automatic Controls, Add	*7,740.26*	
		For Powder Coated, Add	*984.54*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	38,540.88	7,868.21
		For Automatic Controls, Add	*9,141.60*	
		For Powder Coated, Add	*1,237.19*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	57,501.66	9,441.52
		For Automatic Controls, Add	*10,095.29*	
		For Powder Coated, Add	*2,187.86*	
08 42 33 00-0008		Stainless Steel Revolving Doors *(08 42 33)*		
		Note: Includes 3/4" tempered glass.		
08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	26,029.09	4,768.40
		For Automatic Controls, Add	*7,472.64*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	35,609.94	7,152.69
		For Automatic Controls, Add	*8,783.96*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	52,809.07	8,583.20
		For Automatic Controls, Add	*9,570.76*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	28,938.49	5,245.19
		For Automatic Controls, Add	*7,740.26*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	39,362.95	7,868.21
		For Automatic Controls, Add	*9,141.60*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	58,955.43	9,441.52
		For Automatic Controls, Add	*10,095.29*	
08 42 33 00-0015		Bronze Revolving Doors *(08 42 33)*		
		Note: Includes 3/4" tempered glass.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	23,973.87	4,768.40
		For Automatic Controls, Add	*7,472.64*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	33,027.32	7,152.69
		For Automatic Controls, Add	*8,783.96*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	48,241.91	8,583.20
		For Automatic Controls, Add	*9,570.76*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	26,636.64	5,245.19
		For Automatic Controls, Add	*7,740.26*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	36,470.41	7,868.21
		For Automatic Controls, Add	*9,141.60*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	53,840.21	9,441.52
		For Automatic Controls, Add	*10,095.29*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	12,575.01	260.74
		For Bronze Instead Of Stainless Steel, Deduct	*-2,980.74*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,192.30*	
		For Tinted Glass, Add	*596.15*	
		For Aluminum, Painted Finish, Deduct	*-3,576.89*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	13,059.20	260.74
		For Bronze Instead Of Stainless Steel, Deduct	*-3,101.79*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,240.72*	
		For Tinted Glass, Add	*620.36*	
		For Aluminum, Painted Finish, Deduct	*-3,722.15*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	14,235.18	260.74
		For Bronze Instead Of Stainless Steel, Deduct	*-3,395.78*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,358.31*	
		For Tinted Glass, Add	*679.16*	
		For Aluminum, Painted Finish, Deduct	*-4,074.94*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	15,618.71	260.74
		For Bronze Instead Of Stainless Steel, Deduct	*-3,741.67*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,496.67*	
		For Tinted Glass, Add	*748.33*	
		For Aluminum, Painted Finish, Deduct	*-4,490.00*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	26,053.23	495.56
		For Bronze Instead Of Stainless Steel, Deduct	*-6,203.58*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,481.43*	
		For Tinted Glass, Add	*1,240.72*	
		For Aluminum, Painted Finish, Deduct	*-7,444.30*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001 Aluminum Storefront Framing Assembly *(08 43 13)*

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.13	6.26
		For Various Color Class I Anodized Finish, Add	*0.52*	
		For Black Color Class I Anodized Finish, Add	*1.56*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.30	5.64
		For Various Color Class I Anodized Finish, Add	*0.47*	
		For Black Color Class I Anodized Finish, Add	*1.40*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.99	5.19
		For Various Color Class I Anodized Finish, Add	*0.43*	
		For Black Color Class I Anodized Finish, Add	*1.28*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.01	4.86
		For Various Color Class I Anodized Finish, Add	*0.40*	
		For Black Color Class I Anodized Finish, Add	*1.20*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	13.25	4.61
		For Various Color Class I Anodized Finish, Add	*0.38*	
		For Black Color Class I Anodized Finish, Add	*1.13*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	12.64	4.40
		For Various Color Class I Anodized Finish, Add	*0.36*	
		For Black Color Class I Anodized Finish, Add	*1.07*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	12.13	4.23
		For Various Color Class I Anodized Finish, Add	*0.34*	
		For Black Color Class I Anodized Finish, Add	*1.03*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	11.72	4.09
		For Various Color Class I Anodized Finish, Add	*0.33*	
		For Black Color Class I Anodized Finish, Add	*1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0011		1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.65	8.19
		For Various Color Class I Anodized Finish, Add	*0.68*	
		For Black Color Class I Anodized Finish, Add	*2.03*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.87	7.25
		For Various Color Class I Anodized Finish, Add	*0.60*	
		For Black Color Class I Anodized Finish, Add	*1.79*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.99	6.57
		For Various Color Class I Anodized Finish, Add	*0.54*	
		For Black Color Class I Anodized Finish, Add	*1.62*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.50	6.06
		For Various Color Class I Anodized Finish, Add	*0.50*	
		For Black Color Class I Anodized Finish, Add	*1.49*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.36	5.63
		For Various Color Class I Anodized Finish, Add	*0.46*	
		For Black Color Class I Anodized Finish, Add	*1.39*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.39	5.38
		For Various Color Class I Anodized Finish, Add	*0.44*	
		For Black Color Class I Anodized Finish, Add	*1.31*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.69	5.11
		For Various Color Class I Anodized Finish, Add	*0.42*	
		For Black Color Class I Anodized Finish, Add	*1.25*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.05	4.86
		For Various Color Class I Anodized Finish, Add	*0.40*	
		For Black Color Class I Anodized Finish, Add	*1.19*	
08 43 13 00-0020		1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.20	10.07
		For Various Color Class I Anodized Finish, Add	*0.84*	
		For Black Color Class I Anodized Finish, Add	*2.51*	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.56	8.79
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.19*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.92	7.93
		For Various Color Class I Anodized Finish, Add	*0.65*	
		For Black Color Class I Anodized Finish, Add	*1.96*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.94	7.25
		For Various Color Class I Anodized Finish, Add	*0.60*	
		For Black Color Class I Anodized Finish, Add	*1.79*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.37	6.74
		For Various Color Class I Anodized Finish, Add	*0.55*	
		For Black Color Class I Anodized Finish, Add	*1.66*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.17	6.31
		For Various Color Class I Anodized Finish, Add	*0.52*	
		For Black Color Class I Anodized Finish, Add	*1.55*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.17	5.97
		For Various Color Class I Anodized Finish, Add	*0.49*	
		For Black Color Class I Anodized Finish, Add	*1.46*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.35	5.72
		For Various Color Class I Anodized Finish, Add	*0.46*	
		For Black Color Class I Anodized Finish, Add	*1.39*	
08 43 13 00-0029		2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.72	6.57
		For Various Color Class I Anodized Finish, Add	*0.53*	
		For Black Color Class I Anodized Finish, Add	*1.59*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.85	5.89
		For Various Color Class I Anodized Finish, Add	*0.47*	
		For Black Color Class I Anodized Finish, Add	*1.42*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.41	5.46
		For Various Color Class I Anodized Finish, Add	*0.43*	
		For Black Color Class I Anodized Finish, Add	*1.30*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.40	5.11
		For Various Color Class I Anodized Finish, Add	*0.40*	
		For Black Color Class I Anodized Finish, Add	*1.21*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	13.58	4.78
		For Various Color Class I Anodized Finish, Add	*0.38*	
		For Black Color Class I Anodized Finish, Add	*1.14*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	13.02	4.61
		For Various Color Class I Anodized Finish, Add	*0.36*	
		For Black Color Class I Anodized Finish, Add	*1.08*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	12.41	4.44
		For Various Color Class I Anodized Finish, Add	*0.35*	
		For Black Color Class I Anodized Finish, Add	*1.04*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	12.03	4.27
		For Various Color Class I Anodized Finish, Add	*0.33*	
		For Black Color Class I Anodized Finish, Add	*1.00*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.95	8.87
		For Various Color Class I Anodized Finish, Add	*0.69*	
		For Black Color Class I Anodized Finish, Add	*2.06*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.96	7.85
		For Various Color Class I Anodized Finish, Add	*0.61*	
		For Black Color Class I Anodized Finish, Add	*1.82*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.86	7.08
		For Various Color Class I Anodized Finish, Add	*0.55*	
		For Black Color Class I Anodized Finish, Add	*1.64*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.26	6.57
		For Various Color Class I Anodized Finish, Add	*0.50*	
		For Black Color Class I Anodized Finish, Add	*1.51*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.10	6.14
		For Various Color Class I Anodized Finish, Add	*0.47*	
		For Black Color Class I Anodized Finish, Add	*1.40*	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.04	5.80
		For Various Color Class I Anodized Finish, Add	*0.44*	
		For Black Color Class I Anodized Finish, Add	*1.32*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.24	5.46
		For Various Color Class I Anodized Finish, Add	*0.42*	
		For Black Color Class I Anodized Finish, Add	*1.25*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.58	5.20
		For Various Color Class I Anodized Finish, Add	*0.40*	
		For Black Color Class I Anodized Finish, Add	*1.20*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.07	10.58
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.54*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.29	9.21
		For Various Color Class I Anodized Finish, Add	*0.74*	
		For Black Color Class I Anodized Finish, Add	*2.21*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.54	8.27
		For Various Color Class I Anodized Finish, Add	*0.66*	
		For Black Color Class I Anodized Finish, Add	*1.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.55	7.59
		For Various Color Class I Anodized Finish, Add	*0.60*	
		For Black Color Class I Anodized Finish, Add	*1.81*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.93	7.00
		For Various Color Class I Anodized Finish, Add	*0.56*	
		For Black Color Class I Anodized Finish, Add	*1.67*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.65	6.57
		For Various Color Class I Anodized Finish, Add	*0.52*	
		For Black Color Class I Anodized Finish, Add	*1.56*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.64	6.23
		For Various Color Class I Anodized Finish, Add	*0.49*	
		For Black Color Class I Anodized Finish, Add	*1.47*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.71	5.97
		For Various Color Class I Anodized Finish, Add	*0.47*	
		For Black Color Class I Anodized Finish, Add	*1.40*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.61	6.74
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.24*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.33	6.06
		For Various Color Class I Anodized Finish, Add	*0.67*	
		For Black Color Class I Anodized Finish, Add	*2.02*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.76	5.55
		For Various Color Class I Anodized Finish, Add	*0.62*	
		For Black Color Class I Anodized Finish, Add	*1.86*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.57	5.20
		For Various Color Class I Anodized Finish, Add	*0.58*	
		For Black Color Class I Anodized Finish, Add	*1.74*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.62	4.95
		For Various Color Class I Anodized Finish, Add	*0.55*	
		For Black Color Class I Anodized Finish, Add	*1.64*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.87	4.69
		For Various Color Class I Anodized Finish, Add	*0.52*	
		For Black Color Class I Anodized Finish, Add	*1.57*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.27	4.52
		For Various Color Class I Anodized Finish, Add	*0.50*	
		For Black Color Class I Anodized Finish, Add	*1.50*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	14.72	4.35
		For Various Color Class I Anodized Finish, Add	*0.48*	
		For Black Color Class I Anodized Finish, Add	*1.45*	

08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.95	9.04
		For Various Color Class I Anodized Finish, Add	*0.97*	
		For Black Color Class I Anodized Finish, Add	*2.92*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.45	8.02
		For Various Color Class I Anodized Finish, Add	*0.86*	
		For Black Color Class I Anodized Finish, Add	*2.58*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.99	7.25
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.34*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.15	6.65
		For Various Color Class I Anodized Finish, Add	*0.72*	
		For Black Color Class I Anodized Finish, Add	*2.16*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.68	6.23
		For Various Color Class I Anodized Finish, Add	*0.67*	
		For Black Color Class I Anodized Finish, Add	*2.02*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.54	5.89
		For Various Color Class I Anodized Finish, Add	*0.63*	
		For Black Color Class I Anodized Finish, Add	*1.90*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.60	5.63
		For Various Color Class I Anodized Finish, Add	*0.60*	
		For Black Color Class I Anodized Finish, Add	*1.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.74	5.38
		For Various Color Class I Anodized Finish, Add	*0.58*	
		For Black Color Class I Anodized Finish, Add	*1.74*	

08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.93	10.58
		For Various Color Class I Anodized Finish, Add	*1.20*	
		For Black Color Class I Anodized Finish, Add	*3.60*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.63	9.38
		For Various Color Class I Anodized Finish, Add	*1.05*	
		For Black Color Class I Anodized Finish, Add	*3.14*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.39	8.45
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.82*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.03	7.68
		For Various Color Class I Anodized Finish, Add	*0.86*	
		For Black Color Class I Anodized Finish, Add	*2.58*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.13	7.17
		For Various Color Class I Anodized Finish, Add	*0.80*	
		For Black Color Class I Anodized Finish, Add	*2.39*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.62	6.74
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.24*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.33	6.31
		For Various Color Class I Anodized Finish, Add	*0.71*	
		For Black Color Class I Anodized Finish, Add	*2.12*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.34	6.06
		For Various Color Class I Anodized Finish, Add	*0.67*	
		For Black Color Class I Anodized Finish, Add	*2.02*	

08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	23.33	5.68
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	26.47	6.24
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	38.91	6.86

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly *(08 43 19)*

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	38.46	4.27
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*3.20*	

08 44 Curtain Wall And Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001 Curtain Walls *(08 44 13)*

08 44 13 00-0002 Coping Sections *(08 44 13 00-0001)*

08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	40.33	2.56
		For Bronze Anodized Aluminum, Add	*3.80*	
		For Stainless Steel, Add	*15.96*	
		For Black Anodized Finish, Add	*6.85*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	41.69	2.56
		For Bronze Anodized Aluminum, Add	*4.01*	
		For Stainless Steel, Add	*16.78*	
		For Black Anodized Finish, Add	*7.21*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	50.35	3.41
		For Bronze Anodized Aluminum, Add	*4.76*	
		For Stainless Steel, Add	*19.96*	
		For Black Anodized Finish, Add	*8.56*	

08 44 13 00-0006 Sill Section *(08 44 13 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	32.54	1.71
		For Bronze Anodized Aluminum, Add	*3.30*	
		For Stainless Steel, Add	*13.73*	
		For Black Anodized Finish, Add	*5.94*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	34.89	1.71
		For Bronze Anodized Aluminum, Add	*3.65*	
		For Stainless Steel, Add	*15.14*	
		For Black Anodized Finish, Add	*6.58*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	37.27	1.71
		For Bronze Anodized Aluminum, Add	*4.01*	
		For Stainless Steel, Add	*16.57*	
		For Black Anodized Finish, Add	*7.22*	

08 44 13 00-0010 Aluminum Column Covers *(08 44 13 00-0001)*

Note: Includes all clips and fasteners.

08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	79.44	4.27
		For Bronze Anodized Aluminum, Add	*8.31*	
		For Stainless Steel, Add	*34.45*	
		For Black Anodized Finish, Add	*14.96*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	96.21	4.27
		For Bronze Anodized Aluminum, Add	*10.61*	
		For Stainless Steel, Add	*43.72*	
		For Black Anodized Finish, Add	*19.10*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	102.48	4.27
		For Bronze Anodized Aluminum, Add	*11.55*	
		For Stainless Steel, Add	*47.48*	
		For Black Anodized Finish, Add	*20.79*	

08 44 13 00-0014 Spandrel Covers *(08 44 13 00-0001)*

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	31.20	1.71
		For Bronze Anodized Aluminum, Add	*3.60*	
		For Stainless Steel, Add	*14.78*	
		For Black Anodized Finish, Add	*6.49*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	27.64	1.71
		For Bronze Anodized Aluminum, Add	*3.07*	
		For Stainless Steel, Add	*12.64*	
		For Black Anodized Finish, Add	*5.53*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	57.16	1.71
		For Bronze Anodized Aluminum, Add	*7.50*	
		For Stainless Steel, Add	*30.35*	
		For Black Anodized Finish, Add	*13.50*	
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	47.10	1.71
		For Bronze Anodized Aluminum, Add	*5.99*	
		For Stainless Steel, Add	*24.32*	
		For Black Anodized Finish, Add	*10.78*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	35.39	1.71
		For Bronze Anodized Aluminum, Add	*3.95*	
		For Stainless Steel, Add	*16.27*	
		For Black Anodized Finish, Add	*7.12*	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	32.02	1.71
		For Bronze Anodized Aluminum, Add	*3.45*	
		For Stainless Steel, Add	*14.25*	
		For Black Anodized Finish, Add	*6.21*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	65.60	1.71
		For Bronze Anodized Aluminum, Add	*8.49*	
		For Stainless Steel, Add	*34.39*	
		For Black Anodized Finish, Add	*15.27*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	54.00	1.71
		For Bronze Anodized Aluminum, Add	*6.75*	
		For Stainless Steel, Add	*27.43*	
		For Black Anodized Finish, Add	*12.14*	

08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0001)*

Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.

08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	44.09	1.71
		For Bronze Anodized Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*22.73*	
		For Black Anodized Finish, Add	*10.08*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	43.96	1.71
		For Bronze Anodized Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*22.72*	
		For Black Anodized Finish, Add	*10.08*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	43.96	1.71
		For Bronze Anodized Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*22.72*	
		For Black Anodized Finish, Add	*10.08*	
		For Corner Mullion, Add	*10.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	54.83	3.41
		For Bronze Anodized Aluminum, Add	*6.69*	
		For Stainless Steel, Add	*27.27*	
		For Black Anodized Finish, Add	*12.04*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	54.83	3.41
		For Bronze Anodized Aluminum, Add	*6.69*	
		For Stainless Steel, Add	*27.27*	
		For Black Anodized Finish, Add	*12.04*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	54.83	3.41
		For Bronze Anodized Aluminum, Add	*6.69*	
		For Stainless Steel, Add	*27.27*	
		For Black Anodized Finish, Add	*12.04*	
		For Corner Mullion, Add	*12.68*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	60.24	3.75
		For Bronze Anodized Aluminum, Add	*7.33*	
		For Stainless Steel, Add	*29.89*	
		For Black Anodized Finish, Add	*13.19*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	60.24	3.75
		For Bronze Anodized Aluminum, Add	*7.33*	
		For Stainless Steel, Add	*29.89*	
		For Black Anodized Finish, Add	*13.19*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	60.24	3.75
		For Bronze Anodized Aluminum, Add	*7.33*	
		For Stainless Steel, Add	*29.89*	
		For Black Anodized Finish, Add	*13.19*	
		For Corner Mullion, Add	*13.92*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	65.81	4.27
		For Bronze Anodized Aluminum, Add	*7.98*	
		For Stainless Steel, Add	*32.53*	
		For Black Anodized Finish, Add	*14.36*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	65.81	4.27
		For Bronze Anodized Aluminum, Add	*7.98*	
		For Stainless Steel, Add	*32.53*	
		For Black Anodized Finish, Add	*14.36*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	65.81	4.27
		For Bronze Anodized Aluminum, Add	*7.98*	
		For Stainless Steel, Add	*32.53*	
		For Black Anodized Finish, Add	*14.36*	
		For Corner Mullion, Add	*15.19*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	73.76	4.61
		For Bronze Anodized Aluminum, Add	*9.00*	
		For Stainless Steel, Add	*36.67*	
		For Black Anodized Finish, Add	*16.19*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	73.76	4.61
		For Bronze Anodized Aluminum, Add	*9.00*	
		For Stainless Steel, Add	*36.67*	
		For Black Anodized Finish, Add	*16.19*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	73.76	4.61
		For Bronze Anodized Aluminum, Add	*9.00*	
		For Stainless Steel, Add	*36.67*	
		For Black Anodized Finish, Add	*16.19*	
		For Corner Mullion, Add	*17.06*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	84.67	5.11
		For Bronze Anodized Aluminum, Add	*10.33*	
		For Stainless Steel, Add	*42.10*	
		For Black Anodized Finish, Add	*18.59*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	84.67	5.11
		For Bronze Anodized Aluminum, Add	*10.33*	
		For Stainless Steel, Add	*42.10*	
		For Black Anodized Finish, Add	*18.59*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	84.67	5.11
		For Bronze Anodized Aluminum, Add	*10.33*	
		For Stainless Steel, Add	*42.10*	
		For Black Anodized Finish, Add	*18.59*	
		For Corner Mullion, Add	*19.59*	

08 44 26 Structural Glass Curtain Walls *(08 44)*

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls *(08 44 26)*

08 44 26 16-0001 Centria Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0002	SF	Centria CS-260, 210 Single Skin Metal Panel Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	46.72	15.76
08 44 26 16-0003	SF	Centria Formawall Insulated Metal Panels Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	69.07	13.14
08 44 26 16-0004	LF	Centria Formawall Insulated Metal Panels Radius Column Note: Includes radius coping.	113.73	21.90
08 44 26 16-0005	LF	Centria Formawall Insulated Metal Panels Coping	22.75	4.38
08 44 26 16-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.	82.84	21.02

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 26 16-0007	SF	Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	13.01	
08 44 26 16-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	25.18	
08 44 26 16-0009	LF	Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	163.47	13.14
08 44 26 16-0010	LF	Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	775.10	92.85

08 44 26 16-0011 Kalwall Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0012	SF	Kalwall Translucent Panel System Standard Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	97.38	17.52
08 44 26 16-0013	SF	Kalwall Translucent Panel System High Impact	100.98	17.52
08 44 26 16-0014	EA	Wind Clips Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	209.83	
08 44 26 16-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	244.80	
08 44 26 16-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5")	11.19	
08 44 26 16-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	48.96	

08 45 Translucent Wall And Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	40.92	4.71
		For Aluminum Frame, Add	*3.39*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	37.19	4.01
		For Aluminum Frame, Add	*3.12*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	347.78	88.97
		For Installation In Concrete Or Masonry, Add	*34.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.97*	
		For Clear Anodized Finish, Add	*9.98*	
		For Color Anodized Finish, Add	*13.97*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	387.83	94.53
		For Installation In Concrete Or Masonry, Add	*37.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.82*	
		For Clear Anodized Finish, Add	*11.51*	
		For Color Anodized Finish, Add	*16.12*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	422.55	100.08
		For Installation In Concrete Or Masonry, Add	*39.76*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.34*	
		For Clear Anodized Finish, Add	*12.79*	
		For Color Anodized Finish, Add	*17.90*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	451.90	105.65
		For Installation In Concrete Or Masonry, Add	*42.11*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.55*	
		For Clear Anodized Finish, Add	*13.79*	
		For Color Anodized Finish, Add	*19.31*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	513.39	111.21
		For Installation In Concrete Or Masonry, Add	*45.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.68*	
		For Clear Anodized Finish, Add	*16.40*	
		For Color Anodized Finish, Add	*22.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	16.50	3.34
		For Installation In Concrete Or Masonry, Add	*1.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.66*	
		For Clear Anodized Finish, Add	*0.55*	
		For Color Anodized Finish, Add	*0.77*	
08 51 13 00-0010		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*		
08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	489.70	88.97
		For Installation In Concrete Or Masonry, Add	*38.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.49*	
		For Clear Anodized Finish, Add	*17.07*	
		For Color Anodized Finish, Add	*23.90*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	541.81	94.53
		For Installation In Concrete Or Masonry, Add	*41.11*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.06*	
		For Clear Anodized Finish, Add	*19.21*	
		For Color Anodized Finish, Add	*26.90*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	585.90	100.08
		For Installation In Concrete Or Masonry, Add	*43.84*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.14*	
		For Clear Anodized Finish, Add	*20.95*	
		For Color Anodized Finish, Add	*29.34*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	628.64	105.65
		For Installation In Concrete Or Masonry, Add	*46.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.15*	
		For Clear Anodized Finish, Add	*22.63*	
		For Color Anodized Finish, Add	*31.68*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	738.32	111.21
		For Installation In Concrete Or Masonry, Add	*50.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.18*	
		For Clear Anodized Finish, Add	*27.65*	
		For Color Anodized Finish, Add	*38.71*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	24.00	3.34
		For Installation In Concrete Or Masonry, Add	*1.57*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.11*	
		For Clear Anodized Finish, Add	*0.92*	
		For Color Anodized Finish, Add	*1.29*	
08 51 13 00-0017		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*		
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	513.81	88.97
		For Installation In Concrete Or Masonry, Add	*38.79*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.93*	
		For Clear Anodized Finish, Add	*18.28*	
		For Color Anodized Finish, Add	*25.59*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	575.28	94.53
		For Installation In Concrete Or Masonry, Add	*41.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.06*	
		For Clear Anodized Finish, Add	*20.89*	
		For Color Anodized Finish, Add	*29.24*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	626.07	100.08
		For Installation In Concrete Or Masonry, Add	*44.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.56*	
		For Clear Anodized Finish, Add	*22.96*	
		For Color Anodized Finish, Add	*32.15*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	675.50	105.65
		For Installation In Concrete Or Masonry, Add	*47.70*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.97*	
		For Clear Anodized Finish, Add	*24.97*	
		For Color Anodized Finish, Add	*34.96*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	795.90	111.21
		For Installation In Concrete Or Masonry, Add	*52.33*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.63*	
		For Clear Anodized Finish, Add	*30.53*	
		For Color Anodized Finish, Add	*42.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	25.91	3.34
		For Installation In Concrete Or Masonry, Add	*1.62*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.22*	
		For Clear Anodized Finish, Add	*1.02*	
		For Color Anodized Finish, Add	*1.42*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	559.33	88.97
		For Installation In Concrete Or Masonry, Add	*39.93*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.66*	
		For Clear Anodized Finish, Add	*20.55*	
		For Color Anodized Finish, Add	*28.77*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	638.21	94.53
		For Installation In Concrete Or Masonry, Add	*43.52*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.84*	
		For Clear Anodized Finish, Add	*24.03*	
		For Color Anodized Finish, Add	*33.65*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	690.34	100.08
		For Installation In Concrete Or Masonry, Add	*46.45*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.41*	
		For Clear Anodized Finish, Add	*26.18*	
		For Color Anodized Finish, Add	*36.65*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	739.77	105.65
		For Installation In Concrete Or Masonry, Add	*49.31*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.82*	
		For Clear Anodized Finish, Add	*28.18*	
		For Color Anodized Finish, Add	*39.46*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	850.79	111.21
		For Installation In Concrete Or Masonry, Add	*53.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.93*	
		For Clear Anodized Finish, Add	*33.27*	
		For Color Anodized Finish, Add	*46.58*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	27.75	3.34
		For Installation In Concrete Or Masonry, Add	*1.67*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.33*	
		For Clear Anodized Finish, Add	*1.11*	
		For Color Anodized Finish, Add	*1.55*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	383.93	88.97
		For Installation In Concrete Or Masonry, Add	*35.55*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.14*	
		For Clear Anodized Finish, Add	*11.78*	
		For Color Anodized Finish, Add	*16.50*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	422.65	94.53
		For Installation In Concrete Or Masonry, Add	*38.14*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.91*	
		For Clear Anodized Finish, Add	*13.26*	
		For Color Anodized Finish, Add	*18.56*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	456.03	100.08
		For Installation In Concrete Or Masonry, Add	*40.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.35*	
		For Clear Anodized Finish, Add	*14.46*	
		For Color Anodized Finish, Add	*20.24*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	490.73	105.65
		For Installation In Concrete Or Masonry, Add	*43.08*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.88*	
		For Clear Anodized Finish, Add	*15.73*	
		For Color Anodized Finish, Add	*22.03*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	565.60	111.21
		For Installation In Concrete Or Masonry, Add	*46.58*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.82*	
		For Clear Anodized Finish, Add	*19.01*	
		For Color Anodized Finish, Add	*26.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	18.24	3.34
		For Installation In Concrete Or Masonry, Add	*1.43*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.76*	
		For Clear Anodized Finish, Add	*0.63*	
		For Color Anodized Finish, Add	*0.89*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	460.25	88.97
		For Installation In Concrete Or Masonry, Add	*37.46*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.72*	
		For Clear Anodized Finish, Add	*15.60*	
		For Color Anodized Finish, Add	*21.84*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	528.42	94.53
		For Installation In Concrete Or Masonry, Add	*40.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.25*	
		For Clear Anodized Finish, Add	*18.54*	
		For Color Anodized Finish, Add	*25.96*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	584.56	100.08
		For Installation In Concrete Or Masonry, Add	*43.81*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.06*	
		For Clear Anodized Finish, Add	*20.89*	
		For Color Anodized Finish, Add	*29.24*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	647.38	105.65
		For Installation In Concrete Or Masonry, Add	*47.00*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.28*	
		For Clear Anodized Finish, Add	*23.57*	
		For Color Anodized Finish, Add	*32.99*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	759.75	111.21
		For Installation In Concrete Or Masonry, Add	*51.43*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.46*	
		For Clear Anodized Finish, Add	*28.72*	
		For Color Anodized Finish, Add	*40.21*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	24.71	3.34
		For Installation In Concrete Or Masonry, Add	*1.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.15*	
		For Clear Anodized Finish, Add	*0.96*	
		For Color Anodized Finish, Add	*1.34*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	566.02	88.97
		For Installation In Concrete Or Masonry, Add	*40.10*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.06*	
		For Clear Anodized Finish, Add	*20.89*	
		For Color Anodized Finish, Add	*29.24*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	644.91	94.53
		For Installation In Concrete Or Masonry, Add	*43.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.24*	
		For Clear Anodized Finish, Add	*24.37*	
		For Color Anodized Finish, Add	*34.12*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	711.76	100.08
		For Installation In Concrete Or Masonry, Add	*46.99*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.70*	
		For Clear Anodized Finish, Add	*27.25*	
		For Color Anodized Finish, Add	*38.15*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	777.26	105.65
		For Installation In Concrete Or Masonry, Add	*50.25*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.07*	
		For Clear Anodized Finish, Add	*30.06*	
		For Color Anodized Finish, Add	*42.08*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	929.79	111.21
		For Installation In Concrete Or Masonry, Add	*55.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.67*	
		For Clear Anodized Finish, Add	*37.22*	
		For Color Anodized Finish, Add	*52.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	30.37	3.34
		For Installation In Concrete Or Masonry, Add	*1.73*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.49*	
		For Clear Anodized Finish, Add	*1.24*	
		For Color Anodized Finish, Add	*1.74*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	857.80	94.53
		For Installation In Concrete Or Masonry, Add	*49.01*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.02*	
		For Clear Anodized Finish, Add	*35.01*	
		For Color Anodized Finish, Add	*49.02*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	938.04	100.08
		For Installation In Concrete Or Masonry, Add	*52.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.27*	
		For Clear Anodized Finish, Add	*38.56*	
		For Color Anodized Finish, Add	*53.99*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,031.65	105.65
		For Installation In Concrete Or Masonry, Add	*56.61*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.33*	
		For Clear Anodized Finish, Add	*42.78*	
		For Color Anodized Finish, Add	*59.89*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,186.86	111.21
		For Installation In Concrete Or Masonry, Add	*62.11*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.09*	
		For Clear Anodized Finish, Add	*50.08*	
		For Color Anodized Finish, Add	*70.11*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	38.90	3.34
		For Installation In Concrete Or Masonry, Add	*1.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.00*	
		For Clear Anodized Finish, Add	*1.67*	
		For Color Anodized Finish, Add	*2.33*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,160.39	94.53
		For Installation In Concrete Or Masonry, Add	*56.58*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.17*	
		For Clear Anodized Finish, Add	*50.14*	
		For Color Anodized Finish, Add	*70.20*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,250.01	100.08
		For Installation In Concrete Or Masonry, Add	*60.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.99*	
		For Clear Anodized Finish, Add	*54.16*	
		For Color Anodized Finish, Add	*75.82*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,351.65	105.65
		For Installation In Concrete Or Masonry, Add	*64.61*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.53*	
		For Clear Anodized Finish, Add	*58.78*	
		For Color Anodized Finish, Add	*82.29*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,525.61	111.21
		For Installation In Concrete Or Masonry, Add	*70.58*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.42*	
		For Clear Anodized Finish, Add	*67.01*	
		For Color Anodized Finish, Add	*93.82*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	50.28	3.34
		For Installation In Concrete Or Masonry, Add	*2.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.68*	
		For Clear Anodized Finish, Add	*2.24*	
		For Color Anodized Finish, Add	*3.13*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	354.47	88.97
		For Installation In Concrete Or Masonry, Add	*34.81*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.37*	
		For Clear Anodized Finish, Add	*10.31*	
		For Color Anodized Finish, Add	*14.43*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	395.87	94.53
		For Installation In Concrete Or Masonry, Add	*37.47*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.30*	
		For Clear Anodized Finish, Add	*11.92*	
		For Color Anodized Finish, Add	*16.68*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	427.91	100.08
		For Installation In Concrete Or Masonry, Add	*39.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.67*	
		For Clear Anodized Finish, Add	*13.05*	
		For Color Anodized Finish, Add	*18.28*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	461.27	105.65
		For Installation In Concrete Or Masonry, Add	*42.35*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.11*	
		For Clear Anodized Finish, Add	*14.26*	
		For Color Anodized Finish, Add	*19.96*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	525.44	111.21
		For Installation In Concrete Or Masonry, Add	*45.57*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.41*	
		For Clear Anodized Finish, Add	*17.00*	
		For Color Anodized Finish, Add	*23.81*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	16.90	3.34
		For Installation In Concrete Or Masonry, Add	*1.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.68*	
		For Clear Anodized Finish, Add	*0.57*	
		For Color Anodized Finish, Add	*0.79*	

08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*

08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	524.52	88.97
		For Installation In Concrete Or Masonry, Add	*39.06*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.57*	
		For Clear Anodized Finish, Add	*18.81*	
		For Color Anodized Finish, Add	*26.34*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	587.33	94.53
		For Installation In Concrete Or Masonry, Add	*42.25*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.79*	
		For Clear Anodized Finish, Add	*21.49*	
		For Color Anodized Finish, Add	*30.09*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	638.12	100.08
		For Installation In Concrete Or Masonry, Add	*45.15*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.28*	
		For Clear Anodized Finish, Add	*23.57*	
		For Color Anodized Finish, Add	*32.99*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	687.55	105.65
		For Installation In Concrete Or Masonry, Add	*48.00*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.69*	
		For Clear Anodized Finish, Add	*25.57*	
		For Color Anodized Finish, Add	*35.80*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	790.54	111.21
		For Installation In Concrete Or Masonry, Add	*52.20*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.31*	
		For Clear Anodized Finish, Add	*30.26*	
		For Color Anodized Finish, Add	*42.36*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	25.74	3.34
		For Installation In Concrete Or Masonry, Add	*1.62*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.21*	
		For Clear Anodized Finish, Add	*1.01*	
		For Color Anodized Finish, Add	*1.41*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	389.29	88.97
		For Installation In Concrete Or Masonry, Add	*35.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.46*	
		For Clear Anodized Finish, Add	*12.05*	
		For Color Anodized Finish, Add	*16.87*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	441.39	94.53
		For Installation In Concrete Or Masonry, Add	*38.60*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.03*	
		For Clear Anodized Finish, Add	*14.19*	
		For Color Anodized Finish, Add	*19.87*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	477.45	100.08
		For Installation In Concrete Or Masonry, Add	*41.13*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.64*	
		For Clear Anodized Finish, Add	*15.53*	
		For Color Anodized Finish, Add	*21.74*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	508.13	105.65
		For Installation In Concrete Or Masonry, Add	*43.52*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.92*	
		For Clear Anodized Finish, Add	*16.60*	
		For Color Anodized Finish, Add	*23.24*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	580.33	111.21
		For Installation In Concrete Or Masonry, Add	*46.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.70*	
		For Clear Anodized Finish, Add	*19.75*	
		For Color Anodized Finish, Add	*27.65*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	18.72	3.34
		For Installation In Concrete Or Masonry, Add	*1.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.79*	
		For Clear Anodized Finish, Add	*0.66*	
		For Color Anodized Finish, Add	*0.92*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	896.74	88.97
		For Installation In Concrete Or Masonry, Add	*48.37*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.91*	
		For Clear Anodized Finish, Add	*37.42*	
		For Color Anodized Finish, Add	*52.39*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,032.37	102.87
		For Installation In Concrete Or Masonry, Add	*55.81*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.66*	
		For Clear Anodized Finish, Add	*43.05*	
		For Color Anodized Finish, Add	*60.27*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,113.95	108.43
		For Installation In Concrete Or Masonry, Add	*59.47*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.99*	
		For Clear Anodized Finish, Add	*46.66*	
		For Color Anodized Finish, Add	*65.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,340.62	122.33
		For Installation In Concrete Or Masonry, Add	*69.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.20*	
		For Clear Anodized Finish, Add	*56.84*	
		For Color Anodized Finish, Add	*79.57*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,546.51	139.01
		For Installation In Concrete Or Masonry, Add	*79.21*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.89*	
		For Clear Anodized Finish, Add	*65.74*	
		For Color Anodized Finish, Add	*92.04*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	27.46	3.34
		For Installation In Concrete Or Masonry, Add	*1.66*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.31*	
		For Clear Anodized Finish, Add	*1.10*	
		For Color Anodized Finish, Add	*1.53*	

08 51 13 00-0097 Fixed Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	291.54	88.97
		For Installation In Concrete Or Masonry, Add	*33.24*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.60*	
		For Clear Anodized Finish, Add	*7.16*	
		For Color Anodized Finish, Add	*10.03*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	327.58	94.53
		For Installation In Concrete Or Masonry, Add	*35.76*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.20*	
		For Clear Anodized Finish, Add	*8.50*	
		For Color Anodized Finish, Add	*11.90*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	346.24	100.08
		For Installation In Concrete Or Masonry, Add	*37.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.77*	
		For Clear Anodized Finish, Add	*8.97*	
		For Color Anodized Finish, Add	*12.56*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	364.87	105.65
		For Installation In Concrete Or Masonry, Add	*39.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.33*	
		For Clear Anodized Finish, Add	*9.44*	
		For Color Anodized Finish, Add	*13.22*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	461.17	111.21
		For Installation In Concrete Or Masonry, Add	*43.97*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.55*	
		For Clear Anodized Finish, Add	*13.79*	
		For Color Anodized Finish, Add	*19.31*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	14.76	3.34
		For Installation In Concrete Or Masonry, Add	*1.34*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.55*	
		For Clear Anodized Finish, Add	*0.46*	
		For Color Anodized Finish, Add	*0.64*	

08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*

08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	350.46	88.97
		For Installation In Concrete Or Masonry, Add	*34.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.13*	
		For Clear Anodized Finish, Add	*10.11*	
		For Color Anodized Finish, Add	*14.15*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	395.87	94.53
		For Installation In Concrete Or Masonry, Add	*37.47*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.30*	
		For Clear Anodized Finish, Add	*11.92*	
		For Color Anodized Finish, Add	*16.68*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	425.23	100.08
		For Installation In Concrete Or Masonry, Add	*39.82*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.50*	
		For Clear Anodized Finish, Add	*12.92*	
		For Color Anodized Finish, Add	*18.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	455.91	105.65
		For Installation In Concrete Or Masonry, Add	*42.21*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.79*	
		For Clear Anodized Finish, Add	*13.99*	
		For Color Anodized Finish, Add	*19.59*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	580.33	111.21
		For Installation In Concrete Or Masonry, Add	*46.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.70*	
		For Clear Anodized Finish, Add	*19.75*	
		For Color Anodized Finish, Add	*27.65*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	18.72	3.34
		For Installation In Concrete Or Masonry, Add	*1.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.79*	
		For Clear Anodized Finish, Add	*0.66*	
		For Color Anodized Finish, Add	*0.92*	
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*		
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	310.29	88.97
		For Installation In Concrete Or Masonry, Add	*33.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.72*	
		For Clear Anodized Finish, Add	*8.10*	
		For Color Anodized Finish, Add	*11.34*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	355.70	94.53
		For Installation In Concrete Or Masonry, Add	*36.46*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.89*	
		For Clear Anodized Finish, Add	*9.91*	
		For Color Anodized Finish, Add	*13.87*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	382.39	100.08
		For Installation In Concrete Or Masonry, Add	*38.75*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.93*	
		For Clear Anodized Finish, Add	*10.78*	
		For Color Anodized Finish, Add	*15.09*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	410.39	105.65
		For Installation In Concrete Or Masonry, Add	*41.07*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.06*	
		For Clear Anodized Finish, Add	*11.72*	
		For Color Anodized Finish, Add	*16.40*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	528.11	111.21
		For Installation In Concrete Or Masonry, Add	*45.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.57*	
		For Clear Anodized Finish, Add	*17.14*	
		For Color Anodized Finish, Add	*23.99*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	16.98	3.34
		For Installation In Concrete Or Masonry, Add	*1.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.69*	
		For Clear Anodized Finish, Add	*0.57*	
		For Color Anodized Finish, Add	*0.80*	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	308.95	88.97
		For Installation In Concrete Or Masonry, Add	*33.67*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.64*	
		For Clear Anodized Finish, Add	*8.03*	
		For Color Anodized Finish, Add	*11.25*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	350.34	94.53
		For Installation In Concrete Or Masonry, Add	*36.33*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.57*	
		For Clear Anodized Finish, Add	*9.64*	
		For Color Anodized Finish, Add	*13.50*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	377.03	100.08
		For Installation In Concrete Or Masonry, Add	*38.62*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.61*	
		For Clear Anodized Finish, Add	*10.51*	
		For Color Anodized Finish, Add	*14.71*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	405.04	105.65
		For Installation In Concrete Or Masonry, Add	*40.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.74*	
		For Clear Anodized Finish, Add	*11.45*	
		For Color Anodized Finish, Add	*16.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	522.76	111.21
		For Installation In Concrete Or Masonry, Add	*45.51*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.24*	
		For Clear Anodized Finish, Add	*16.87*	
		For Color Anodized Finish, Add	*23.62*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	16.81	3.34
		For Installation In Concrete Or Masonry, Add	*1.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.68*	
		For Clear Anodized Finish, Add	*0.56*	
		For Color Anodized Finish, Add	*0.79*	

08 51 13 00-0126 Projected Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0127 Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*

08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	392.23	88.97
		For Installation In Concrete Or Masonry, Add	*35.75*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.64*	
		For Clear Anodized Finish, Add	*12.20*	
		For Color Anodized Finish, Add	*17.08*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	423.85	94.53
		For Installation In Concrete Or Masonry, Add	*38.17*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.98*	
		For Clear Anodized Finish, Add	*13.32*	
		For Color Anodized Finish, Add	*18.64*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	460.04	100.08
		For Installation In Concrete Or Masonry, Add	*40.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.59*	
		For Clear Anodized Finish, Add	*14.66*	
		For Color Anodized Finish, Add	*20.53*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	25.11	3.34
		For Installation In Concrete Or Masonry, Add	*1.60*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.17*	
		For Clear Anodized Finish, Add	*0.98*	
		For Color Anodized Finish, Add	*1.37*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	510.61	88.97
		For Installation In Concrete Or Masonry, Add	*38.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.74*	
		For Clear Anodized Finish, Add	*18.12*	
		For Color Anodized Finish, Add	*25.36*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	561.77	94.53
		For Installation In Concrete Or Masonry, Add	*41.61*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.25*	
		For Clear Anodized Finish, Add	*20.21*	
		For Color Anodized Finish, Add	*28.30*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	620.71	100.08
		For Installation In Concrete Or Masonry, Add	*44.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.23*	
		For Clear Anodized Finish, Add	*22.69*	
		For Color Anodized Finish, Add	*31.77*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	35.82	3.34
		For Installation In Concrete Or Masonry, Add	*1.87*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.82*	
		For Clear Anodized Finish, Add	*1.51*	
		For Color Anodized Finish, Add	*2.12*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	555.00	88.97
		For Installation In Concrete Or Masonry, Add	*39.82*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.40*	
		For Clear Anodized Finish, Add	*20.34*	
		For Color Anodized Finish, Add	*28.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	613.48	94.53
		For Installation In Concrete Or Masonry, Add	*42.91*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.36*	
		For Clear Anodized Finish, Add	*22.80*	
		For Color Anodized Finish, Add	*31.92*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	680.97	100.08
		For Installation In Concrete Or Masonry, Add	*46.22*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.85*	
		For Clear Anodized Finish, Add	*25.71*	
		For Color Anodized Finish, Add	*35.99*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	39.84	3.34
		For Installation In Concrete Or Masonry, Add	*1.97*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.06*	
		For Clear Anodized Finish, Add	*1.71*	
		For Color Anodized Finish, Add	*2.40*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	585.58	88.97
		For Installation In Concrete Or Masonry, Add	*40.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.24*	
		For Clear Anodized Finish, Add	*21.87*	
		For Color Anodized Finish, Add	*30.61*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	649.11	94.53
		For Installation In Concrete Or Masonry, Add	*43.80*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.49*	
		For Clear Anodized Finish, Add	*24.58*	
		For Color Anodized Finish, Add	*34.41*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	722.47	100.08
		For Installation In Concrete Or Masonry, Add	*47.26*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.34*	
		For Clear Anodized Finish, Add	*27.78*	
		For Color Anodized Finish, Add	*38.90*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	42.61	3.34
		For Installation In Concrete Or Masonry, Add	*2.04*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.22*	
		For Clear Anodized Finish, Add	*1.85*	
		For Color Anodized Finish, Add	*2.59*	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	581.63	88.97
		For Installation In Concrete Or Masonry, Add	*40.49*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.00*	
		For Clear Anodized Finish, Add	*21.67*	
		For Color Anodized Finish, Add	*30.33*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	644.52	94.53
		For Installation In Concrete Or Masonry, Add	*43.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.22*	
		For Clear Anodized Finish, Add	*24.35*	
		For Color Anodized Finish, Add	*34.09*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	717.12	100.08
		For Installation In Concrete Or Masonry, Add	*47.12*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.02*	
		For Clear Anodized Finish, Add	*27.52*	
		For Color Anodized Finish, Add	*38.52*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	42.25	3.34
		For Installation In Concrete Or Masonry, Add	*2.03*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.20*	
		For Clear Anodized Finish, Add	*1.83*	
		For Color Anodized Finish, Add	*2.57*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*		
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	521.46	88.97
		For Installation In Concrete Or Masonry, Add	*38.99*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.39*	
		For Clear Anodized Finish, Add	*18.66*	
		For Color Anodized Finish, Add	*26.12*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	574.41	94.53
		For Installation In Concrete Or Masonry, Add	*41.93*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.01*	
		For Clear Anodized Finish, Add	*20.84*	
		For Color Anodized Finish, Add	*29.18*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	635.44	100.08
		For Installation In Concrete Or Masonry, Add	*45.08*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.12*	
		For Clear Anodized Finish, Add	*23.43*	
		For Color Anodized Finish, Add	*32.80*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	36.76	3.34
		For Installation In Concrete Or Masonry, Add	*1.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.87*	
		For Clear Anodized Finish, Add	*1.56*	
		For Color Anodized Finish, Add	*2.18*	
08 51 13 00-0159		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*		
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	708.90	88.97
		For Installation In Concrete Or Masonry, Add	*43.67*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.64*	
		For Clear Anodized Finish, Add	*28.03*	
		For Color Anodized Finish, Add	*39.24*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	792.78	94.53
		For Installation In Concrete Or Masonry, Add	*47.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.11*	
		For Clear Anodized Finish, Add	*31.76*	
		For Color Anodized Finish, Add	*44.47*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	889.84	100.08
		For Installation In Concrete Or Masonry, Add	*51.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.38*	
		For Clear Anodized Finish, Add	*36.15*	
		For Color Anodized Finish, Add	*50.61*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	53.76	3.34
		For Installation In Concrete Or Masonry, Add	*2.32*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.89*	
		For Clear Anodized Finish, Add	*2.41*	
		For Color Anodized Finish, Add	*3.37*	
08 51 13 00-0164		3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*		
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	748.36	88.97
		For Installation In Concrete Or Masonry, Add	*44.66*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.00*	
		For Clear Anodized Finish, Add	*30.00*	
		For Color Anodized Finish, Add	*42.01*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	838.74	94.53
		For Installation In Concrete Or Masonry, Add	*48.54*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.87*	
		For Clear Anodized Finish, Add	*34.06*	
		For Color Anodized Finish, Add	*47.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	943.39	100.08
		For Installation In Concrete Or Masonry, Add	*52.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.59*	
		For Clear Anodized Finish, Add	*38.83*	
		For Color Anodized Finish, Add	*54.36*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	57.24	3.34
		For Installation In Concrete Or Masonry, Add	*2.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.10*	
		For Clear Anodized Finish, Add	*2.58*	
		For Color Anodized Finish, Add	*3.62*	
08 51 13 00-0169		3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*		
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	744.42	88.97
		For Installation In Concrete Or Masonry, Add	*44.56*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.77*	
		For Clear Anodized Finish, Add	*29.81*	
		For Color Anodized Finish, Add	*41.73*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	834.15	94.53
		For Installation In Concrete Or Masonry, Add	*48.42*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.60*	
		For Clear Anodized Finish, Add	*33.83*	
		For Color Anodized Finish, Add	*47.36*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	938.04	100.08
		For Installation In Concrete Or Masonry, Add	*52.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.27*	
		For Clear Anodized Finish, Add	*38.56*	
		For Color Anodized Finish, Add	*53.99*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	56.97	3.34
		For Installation In Concrete Or Masonry, Add	*2.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.08*	
		For Clear Anodized Finish, Add	*2.57*	
		For Color Anodized Finish, Add	*3.60*	
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	805.58	88.97
		For Installation In Concrete Or Masonry, Add	*46.09*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.44*	
		For Clear Anodized Finish, Add	*32.87*	
		For Color Anodized Finish, Add	*46.01*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	905.41	94.53
		For Installation In Concrete Or Masonry, Add	*50.20*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.87*	
		For Clear Anodized Finish, Add	*37.39*	
		For Color Anodized Finish, Add	*52.35*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	1,021.05	100.08
		For Installation In Concrete Or Masonry, Add	*54.72*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.25*	
		For Clear Anodized Finish, Add	*42.71*	
		For Color Anodized Finish, Add	*59.80*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	62.46	3.34
		For Installation In Concrete Or Masonry, Add	*2.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.41*	
		For Clear Anodized Finish, Add	*2.85*	
		For Color Anodized Finish, Add	*3.98*	
08 51 13 00-0179		Casement Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0180		Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	440.57	88.97
		For Installation In Concrete Or Masonry, Add	*36.96*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.54*	
		For Clear Anodized Finish, Add	*14.61*	
		For Color Anodized Finish, Add	*20.46*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	480.17	94.53
		For Installation In Concrete Or Masonry, Add	*39.57*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.36*	
		For Clear Anodized Finish, Add	*16.13*	
		For Color Anodized Finish, Add	*22.58*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	525.65	100.08
		For Installation In Concrete Or Masonry, Add	*42.33*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.53*	
		For Clear Anodized Finish, Add	*17.94*	
		For Color Anodized Finish, Add	*25.12*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	29.49	3.34
		For Installation In Concrete Or Masonry, Add	*1.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.44*	
		For Clear Anodized Finish, Add	*1.20*	
		For Color Anodized Finish, Add	*1.68*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	620.12	88.97
		For Installation In Concrete Or Masonry, Add	*41.45*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.31*	
		For Clear Anodized Finish, Add	*23.59*	
		For Color Anodized Finish, Add	*33.03*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	689.33	94.53
		For Installation In Concrete Or Masonry, Add	*44.80*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.91*	
		For Clear Anodized Finish, Add	*26.59*	
		For Color Anodized Finish, Add	*37.23*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	769.33	100.08
		For Installation In Concrete Or Masonry, Add	*48.43*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.15*	
		For Clear Anodized Finish, Add	*30.13*	
		For Color Anodized Finish, Add	*42.18*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	45.73	3.34
		For Installation In Concrete Or Masonry, Add	*2.12*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.41*	
		For Clear Anodized Finish, Add	*2.01*	
		For Color Anodized Finish, Add	*2.81*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	623.07	88.97
		For Installation In Concrete Or Masonry, Add	*41.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.49*	
		For Clear Anodized Finish, Add	*23.74*	
		For Color Anodized Finish, Add	*33.24*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	692.79	94.53
		For Installation In Concrete Or Masonry, Add	*44.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.12*	
		For Clear Anodized Finish, Add	*26.76*	
		For Color Anodized Finish, Add	*37.47*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	773.35	100.08
		For Installation In Concrete Or Masonry, Add	*48.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.39*	
		For Clear Anodized Finish, Add	*30.33*	
		For Color Anodized Finish, Add	*42.46*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	46.00	3.34
		For Installation In Concrete Or Masonry, Add	*2.12*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.43*	
		For Clear Anodized Finish, Add	*2.02*	
		For Color Anodized Finish, Add	*2.83*	
08 51 13 00-0196		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*		
08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	653.66	88.97
		For Installation In Concrete Or Masonry, Add	*42.29*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.32*	
		For Clear Anodized Finish, Add	*25.27*	
		For Color Anodized Finish, Add	*35.38*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	728.42	94.53
		For Installation In Concrete Or Masonry, Add	*45.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.25*	
		For Clear Anodized Finish, Add	*28.54*	
		For Color Anodized Finish, Add	*39.96*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	814.86	100.08
		For Installation In Concrete Or Masonry, Add	*49.57*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.88*	
		For Clear Anodized Finish, Add	*32.40*	
		For Color Anodized Finish, Add	*45.36*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	48.77	3.34
		For Installation In Concrete Or Masonry, Add	*2.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.59*	
		For Clear Anodized Finish, Add	*2.16*	
		For Color Anodized Finish, Add	*3.02*	
08 51 13 00-0201		Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0202		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*		
08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	494.83	88.97
		For Installation In Concrete Or Masonry, Add	*38.32*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.79*	
		For Clear Anodized Finish, Add	*17.33*	
		For Color Anodized Finish, Add	*24.26*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	543.38	94.53
		For Installation In Concrete Or Masonry, Add	*41.15*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.15*	
		For Clear Anodized Finish, Add	*19.29*	
		For Color Anodized Finish, Add	*27.01*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	599.29	100.08
		For Installation In Concrete Or Masonry, Add	*44.18*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.95*	
		For Clear Anodized Finish, Add	*21.62*	
		For Color Anodized Finish, Add	*30.27*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	34.39	3.34
		For Installation In Concrete Or Masonry, Add	*1.83*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.73*	
		For Clear Anodized Finish, Add	*1.44*	
		For Color Anodized Finish, Add	*2.02*	
08 51 13 00-0207		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*		
08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	674.37	88.97
		For Installation In Concrete Or Masonry, Add	*42.81*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.57*	
		For Clear Anodized Finish, Add	*26.30*	
		For Color Anodized Finish, Add	*36.83*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	752.54	94.53
		For Installation In Concrete Or Masonry, Add	*46.38*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.70*	
		For Clear Anodized Finish, Add	*29.75*	
		For Color Anodized Finish, Add	*41.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	842.97	100.08
		For Installation In Concrete Or Masonry, Add	*50.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.57*	
		For Clear Anodized Finish, Add	*33.81*	
		For Color Anodized Finish, Add	*47.33*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	50.64	3.34
		For Installation In Concrete Or Masonry, Add	*2.24*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.70*	
		For Clear Anodized Finish, Add	*2.25*	
		For Color Anodized Finish, Add	*3.16*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	740.47	88.97
		For Installation In Concrete Or Masonry, Add	*44.46*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.53*	
		For Clear Anodized Finish, Add	*29.61*	
		For Color Anodized Finish, Add	*41.45*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	829.56	94.53
		For Installation In Concrete Or Masonry, Add	*48.31*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.32*	
		For Clear Anodized Finish, Add	*33.60*	
		For Color Anodized Finish, Add	*47.04*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	932.68	100.08
		For Installation In Concrete Or Masonry, Add	*52.51*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*45.95*	
		For Clear Anodized Finish, Add	*38.29*	
		For Color Anodized Finish, Add	*53.61*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	56.61	3.34
		For Installation In Concrete Or Masonry, Add	*2.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Clear Anodized Finish, Add	*2.55*	
		For Color Anodized Finish, Add	*3.57*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	800.64	88.97
		For Installation In Concrete Or Masonry, Add	*45.97*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.14*	
		For Clear Anodized Finish, Add	*32.62*	
		For Color Anodized Finish, Add	*45.67*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	899.66	94.53
		For Installation In Concrete Or Masonry, Add	*50.06*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.53*	
		For Clear Anodized Finish, Add	*37.11*	
		For Color Anodized Finish, Add	*51.95*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,014.36	100.08
		For Installation In Concrete Or Masonry, Add	*54.55*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.85*	
		For Clear Anodized Finish, Add	*42.38*	
		For Color Anodized Finish, Add	*59.33*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	62.06	3.34
		For Installation In Concrete Or Masonry, Add	*2.52*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.39*	
		For Clear Anodized Finish, Add	*2.83*	
		For Color Anodized Finish, Add	*3.96*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	16.24	4.17
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.51*	
		For Clear Anodized Finish, Add	*0.43*	
		For Color Anodized Finish, Add	*0.60*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	158.26	34.34
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.06*	
		For Clear Anodized Finish, Add	*5.05*	
		For Color Anodized Finish, Add	*7.07*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	225.63	57.23
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.81*	
		For Clear Anodized Finish, Add	*6.51*	
		For Color Anodized Finish, Add	*9.12*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	285.50	85.85
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.54*	
		For Clear Anodized Finish, Add	*7.12*	
		For Color Anodized Finish, Add	*9.97*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	347.81	114.48
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.42*	
		For Clear Anodized Finish, Add	*7.85*	
		For Color Anodized Finish, Add	*10.99*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	471.19	171.71
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.10*	
		For Clear Anodized Finish, Add	*9.25*	
		For Color Anodized Finish, Add	*12.95*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	17.71	7.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.35*	
		For Clear Anodized Finish, Add	*0.29*	
		For Color Anodized Finish, Add	*0.40*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	6.11	4.17
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.03*	
		For Clear Anodized Finish, Add	*0.03*	
		For Color Anodized Finish, Add	*0.04*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	7.69	4.17
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.13*	
		For Clear Anodized Finish, Add	*0.11*	
		For Color Anodized Finish, Add	*0.15*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	16.94	4.17
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.18*	
		For Clear Anodized Finish, Add	*0.15*	
		For Color Anodized Finish, Add	*0.21*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	20.01	4.17
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.26*	
		For Clear Anodized Finish, Add	*0.21*	
		For Color Anodized Finish, Add	*0.30*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	114.69	18.53
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	61.13	18.53

08 51 13 00-0240 Aluminum Window Insect Screens *(08 51 13 00-0222)*

Note: Includes aluminum frames.

08 51 13 00-0241	SF	<10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	5.20	1.39
08 51 13 00-0242	SF	>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	3.59	1.12
08 51 13 00-0243	SF	Repair Screen Window	4.46	

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types *(08 51 19)*

08 51 19 00-0002 Industrial *(08 51 19 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	82.59	5.56
		For Heavy Commercial Grade (HC-40), Add	*34.39*	
		For Non Stock Custom Sizes, Add	*7.33*	
		For Installation In Concrete Or Masonry, Add	*3.69*	
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	61.90	5.56
		For Heavy Commercial Grade (HC-40), Add	*25.08*	
		For Non Stock Custom Sizes, Add	*5.26*	
		For Installation In Concrete Or Masonry, Add	*3.17*	
08 51 19 00-0005		Projected Sash *(08 51 19 00-0001)*		
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	86.45	5.56
		For Heavy Commercial Grade (HC-40), Add	*36.12*	
		For Non Stock Custom Sizes, Add	*7.72*	
		For Installation In Concrete Or Masonry, Add	*3.78*	
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	95.60	5.56
		For Heavy Commercial Grade (HC-40), Add	*40.24*	
		For Non Stock Custom Sizes, Add	*8.63*	
		For Installation In Concrete Or Masonry, Add	*4.01*	
08 51 19 00-0008		Other Type Sash *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	104.73	5.56
		For Heavy Commercial Grade (HC-40), Add	*44.35*	
		For Non Stock Custom Sizes, Add	*9.55*	
		For Installation In Concrete Or Masonry, Add	*4.24*	
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	73.64	5.56
		For Heavy Commercial Grade (HC-40), Add	*30.36*	
		For Non Stock Custom Sizes, Add	*6.44*	
		For Installation In Concrete Or Masonry, Add	*3.46*	
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	61.28	5.56
		For Heavy Commercial Grade (HC-40), Add	*24.80*	
		For Non Stock Custom Sizes, Add	*5.20*	
		For Installation In Concrete Or Masonry, Add	*3.15*	
08 51 19 00-0012	SF	Sliding Stainless Steel Window	108.08	5.56
		For Heavy Commercial Grade (HC-40), Add	*45.86*	
		For Non Stock Custom Sizes, Add	*9.88*	
		For Installation In Concrete Or Masonry, Add	*4.32*	
08 51 19 00-0013		Casements *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	93.70	5.56
		For Heavy Commercial Grade (HC-40), Add	*39.39*	
		For Non Stock Custom Sizes, Add	*8.44*	
		For Installation In Concrete Or Masonry, Add	*3.96*	
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	80.84	5.56
		For Heavy Commercial Grade (HC-40), Add	*33.60*	
		For Non Stock Custom Sizes, Add	*7.16*	
		For Installation In Concrete Or Masonry, Add	*3.64*	
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	56.57	5.56
		For Heavy Commercial Grade (HC-40), Add	*22.68*	
		For Non Stock Custom Sizes, Add	*4.73*	
		For Installation In Concrete Or Masonry, Add	*3.03*	
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001		Steel Windows *(08 51 23)*		
08 51 23 00-0002		Industrial *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	43.10	5.56
		For Heavy Commercial Grade (HC-40), Add	*16.62*	
		For Non Stock Custom Sizes, Add	*3.38*	
		For Double Glazing Sash, Add	*20.86*	
		For Bonderized Finish, Add	*12.86*	
		For Installation In Concrete Or Masonry, Add	*2.70*	
08 51 23 00-0004	SF	Industrial Steel Window, Fixed Sash	38.76	5.56
		For Heavy Commercial Grade (HC-40), Add	*14.66*	
		For Non Stock Custom Sizes, Add	*2.95*	
		For Double Glazing Sash, Add	*18.26*	
		For Bonderized Finish, Add	*11.21*	
		For Installation In Concrete Or Masonry, Add	*2.59*	
08 51 23 00-0005	SF	Industrial Steel Window, Operable Security Sash	60.88	5.56
		For Heavy Commercial Grade (HC-40), Add	*24.62*	
		For Non Stock Custom Sizes, Add	*5.16*	
		For Double Glazing Sash, Add	*31.53*	
		For Bonderized Finish, Add	*19.62*	
		For Installation In Concrete Or Masonry, Add	*3.14*	
08 51 23 00-0006	SF	Industrial Steel Window, Fixed Security Sash	52.21	5.56
		For Heavy Commercial Grade (HC-40), Add	*20.72*	
		For Non Stock Custom Sizes, Add	*4.30*	
		For Double Glazing Sash, Add	*26.33*	
		For Bonderized Finish, Add	*16.32*	
		For Installation In Concrete Or Masonry, Add	*2.93*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 23 00-0007 Projected Sash *(08 51 23 00-0001)*

08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	49.56	5.56
		For Heavy Commercial Grade (HC-40), Add	*19.52*	
		For Non Stock Custom Sizes, Add	*4.03*	
		For Double Glazing Sash, Add	*24.74*	
		For Bonderized Finish, Add	*15.31*	
		For Installation In Concrete Or Masonry, Add	*2.86*	
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	54.33	5.56
		For Heavy Commercial Grade (HC-40), Add	*21.67*	
		For Non Stock Custom Sizes, Add	*4.51*	
		For Double Glazing Sash, Add	*27.60*	
		For Bonderized Finish, Add	*17.13*	
		For Installation In Concrete Or Masonry, Add	*2.98*	

08 51 23 00-0010 Other Type Sash *(08 51 23 00-0001)*

08 51 23 00-0011	SF	Double Hung Steel Window Sash	62.75	5.56
		For Heavy Commercial Grade (HC-40), Add	*25.46*	
		For Non Stock Custom Sizes, Add	*5.35*	
		For Double Glazing Sash, Add	*32.65*	
		For Bonderized Finish, Add	*20.33*	
		For Installation In Concrete Or Masonry, Add	*3.19*	
08 51 23 00-0012	SF	Steel Picture Window Sash	28.79	5.56
		For Heavy Commercial Grade (HC-40), Add	*10.18*	
		For Non Stock Custom Sizes, Add	*1.95*	
		For Double Glazing Sash, Add	*12.27*	
		For Bonderized Finish, Add	*7.42*	
		For Installation In Concrete Or Masonry, Add	*2.34*	
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	64.63	6.95
		For Heavy Commercial Grade (HC-40), Add	*26.31*	
		For Non Stock Custom Sizes, Add	*5.54*	
		For Double Glazing Sash, Add	*33.78*	
		For Bonderized Finish, Add	*21.04*	
		For Installation In Concrete Or Masonry, Add	*3.24*	
08 51 23 00-0014	SF	Single Hung Steel Window Sash	45.34	5.56
		For Heavy Commercial Grade (HC-40), Add	*17.63*	
		For Non Stock Custom Sizes, Add	*3.61*	
		For Double Glazing Sash, Add	*22.20*	
		For Bonderized Finish, Add	*13.71*	
		For Installation In Concrete Or Masonry, Add	*2.75*	

08 51 23 00-0015 Casements *(08 51 23 00-0001)*

08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	56.59	2.78
		For Double Glazing Sash, Add	*28.95*	
		For Bonderized Finish, Add	*17.99*	
		For Heavy Commercial Grade (HC-40), Add	*22.69*	
		For Non Stock Custom Sizes, Add	*4.73*	
		For Installation In Concrete Or Masonry, Add	*3.04*	
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	49.38	2.78
		For Double Glazing Sash, Add	*24.63*	
		For Bonderized Finish, Add	*15.25*	
		For Heavy Commercial Grade (HC-40), Add	*19.44*	
		For Non Stock Custom Sizes, Add	*4.01*	
		For Installation In Concrete Or Masonry, Add	*2.86*	
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	35.77	4.17
		For Double Glazing Sash, Add	*16.46*	
		For Bonderized Finish, Add	*10.07*	
		For Heavy Commercial Grade (HC-40), Add	*13.32*	
		For Non Stock Custom Sizes, Add	*2.65*	
		For Installation In Concrete Or Masonry, Add	*2.51*	

08 51 23 00-0019 Mullions *(08 51 23 00-0001)*

08 51 23 00-0020	LF	Open Faced Steel Mullion	22.01	4.17
08 51 23 00-0021	LF	Covered Steel Mullions	35.64	4.17

08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*

Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.

08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	14.31	

08 51 69 Metal Storm Windows *(08 51)*

08 51 69 00-0001 Storm Windows *(08 51 69)*

08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	25.52	2.78
		For Installation In Concrete Or Masonry, Add	*1.29*	

08 52 Wood Windows *(08 50)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Double Hung Wood Clad Windows *(08 52 16)*

08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	329.15	42.63
		For Low-E Insulated Glass, Add	*29.27*	
		For Tempered Clear Insulated Glass, Add	*48.78*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	348.68	44.49
		For Low-E Insulated Glass, Add	*31.17*	
		For Tempered Clear Insulated Glass, Add	*51.94*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	366.88	46.34
		For Low-E Insulated Glass, Add	*32.91*	
		For Tempered Clear Insulated Glass, Add	*54.84*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	385.09	48.19
		For Low-E Insulated Glass, Add	*34.65*	
		For Tempered Clear Insulated Glass, Add	*57.74*	

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	357.12	45.41
		For Low-E Insulated Glass, Add	*31.96*	
		For Tempered Clear Insulated Glass, Add	*53.26*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	376.65	47.26
		For Low-E Insulated Glass, Add	*33.85*	
		For Tempered Clear Insulated Glass, Add	*56.42*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	394.85	49.12
		For Low-E Insulated Glass, Add	*35.59*	
		For Tempered Clear Insulated Glass, Add	*59.32*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	413.07	50.97
		For Low-E Insulated Glass, Add	*37.33*	
		For Tempered Clear Insulated Glass, Add	*62.22*	

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	385.09	48.19
		For Low-E Insulated Glass, Add	*34.65*	
		For Tempered Clear Insulated Glass, Add	*57.74*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	403.29	50.05
		For Low-E Insulated Glass, Add	*36.39*	
		For Tempered Clear Insulated Glass, Add	*60.64*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	422.83	51.90
		For Low-E Insulated Glass, Add	*38.28*	
		For Tempered Clear Insulated Glass, Add	*63.81*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	441.04	53.75
		For Low-E Insulated Glass, Add	*40.02*	
		For Tempered Clear Insulated Glass, Add	*66.71*	

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	413.07	50.97
		For Low-E Insulated Glass, Add	*37.33*	
		For Tempered Clear Insulated Glass, Add	*62.22*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	431.27	52.82
		For Low-E Insulated Glass, Add	*39.07*	
		For Tempered Clear Insulated Glass, Add	*65.12*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	449.48	54.67
		For Low-E Insulated Glass, Add	*40.81*	
		For Tempered Clear Insulated Glass, Add	*68.02*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	469.00	56.53
		For Low-E Insulated Glass, Add	*42.71*	
		For Tempered Clear Insulated Glass, Add	*71.19*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	408.18	50.97
		For Low-E Insulated Glass, Add	*36.86*	
		For Tempered Clear Insulated Glass, Add	*61.43*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	426.39	52.36
		For Low-E Insulated Glass, Add	*38.60*	
		For Tempered Clear Insulated Glass, Add	*64.33*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	445.91	54.67
		For Low-E Insulated Glass, Add	*40.50*	
		For Tempered Clear Insulated Glass, Add	*67.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	464.12	56.53
		For Low-E Insulated Glass, Add	*42.24*	
		For Tempered Clear Insulated Glass, Add	*70.40*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	482.34	58.39
		For Low-E Insulated Glass, Add	*43.98*	
		For Tempered Clear Insulated Glass, Add	*73.30*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	500.54	60.24
		For Low-E Insulated Glass, Add	*45.72*	
		For Tempered Clear Insulated Glass, Add	*76.20*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	422.83	51.90
		For Low-E Insulated Glass, Add	*38.28*	
		For Tempered Clear Insulated Glass, Add	*63.81*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	441.04	53.75
		For Low-E Insulated Glass, Add	*40.02*	
		For Tempered Clear Insulated Glass, Add	*66.71*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	459.24	55.61
		For Low-E Insulated Glass, Add	*41.76*	
		For Tempered Clear Insulated Glass, Add	*69.61*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	477.45	57.46
		For Low-E Insulated Glass, Add	*43.50*	
		For Tempered Clear Insulated Glass, Add	*72.51*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	495.65	59.31
		For Low-E Insulated Glass, Add	*45.24*	
		For Tempered Clear Insulated Glass, Add	*75.41*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	515.18	61.16
		For Low-E Insulated Glass, Add	*47.14*	
		For Tempered Clear Insulated Glass, Add	*78.57*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	469.00	56.53
		For Low-E Insulated Glass, Add	*42.71*	
		For Tempered Clear Insulated Glass, Add	*71.19*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	487.21	58.39
		For Low-E Insulated Glass, Add	*44.45*	
		For Tempered Clear Insulated Glass, Add	*74.09*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	505.42	60.24
		For Low-E Insulated Glass, Add	*46.19*	
		For Tempered Clear Insulated Glass, Add	*76.99*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	523.62	62.10
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.89*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	495.65	59.31
		For Low-E Insulated Glass, Add	*45.24*	
		For Tempered Clear Insulated Glass, Add	*75.41*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	515.18	61.16
		For Low-E Insulated Glass, Add	*47.14*	
		For Tempered Clear Insulated Glass, Add	*78.57*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	533.38	63.02
		For Low-E Insulated Glass, Add	*48.88*	
		For Tempered Clear Insulated Glass, Add	*81.47*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	551.61	64.87
		For Low-E Insulated Glass, Add	*50.62*	
		For Tempered Clear Insulated Glass, Add	*84.37*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	407.31	42.63
		For Tempered Low-E Insulated Glass, Add	*64.60*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	432.13	44.02
		For Tempered Low-E Insulated Glass, Add	*68.82*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.24	45.87
		For Tempered Low-E Insulated Glass, Add	*73.30*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	471.95	47.26
		For Tempered Low-E Insulated Glass, Add	*75.67*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	484.36	48.19
		For Tempered Low-E Insulated Glass, Add	*77.78*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	496.75	49.12
		For Tempered Low-E Insulated Glass, Add	*79.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	510.47	49.58
		For Tempered Low-E Insulated Glass, Add	*82.26*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.44
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.29
		For Tempered Low-E Insulated Glass, Add	*90.96*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	432.13	44.49
		For Tempered Low-E Insulated Glass, Add	*68.82*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.24	45.87
		For Tempered Low-E Insulated Glass, Add	*73.30*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	484.36	47.72
		For Tempered Low-E Insulated Glass, Add	*77.78*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	496.75	49.12
		For Tempered Low-E Insulated Glass, Add	*79.89*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	510.47	50.05
		For Tempered Low-E Insulated Glass, Add	*82.26*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	522.88	50.97
		For Tempered Low-E Insulated Glass, Add	*84.37*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.44
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.29
		For Tempered Low-E Insulated Glass, Add	*90.96*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.14
		For Tempered Low-E Insulated Glass, Add	*95.44*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.24	46.34
		For Tempered Low-E Insulated Glass, Add	*73.30*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	484.36	47.72
		For Tempered Low-E Insulated Glass, Add	*77.78*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	510.47	49.58
		For Tempered Low-E Insulated Glass, Add	*82.26*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	522.88	50.97
		For Tempered Low-E Insulated Glass, Add	*84.37*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.90
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.99	52.82
		For Tempered Low-E Insulated Glass, Add	*88.85*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.29
		For Tempered Low-E Insulated Glass, Add	*90.96*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.14
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.00
		For Tempered Low-E Insulated Glass, Add	*99.93*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	484.36	48.19
		For Tempered Low-E Insulated Glass, Add	*77.78*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	510.47	49.58
		For Tempered Low-E Insulated Glass, Add	*82.26*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.44
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.99	52.82
		For Tempered Low-E Insulated Glass, Add	*88.85*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.75
		For Tempered Low-E Insulated Glass, Add	*90.96*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.79	54.67
		For Tempered Low-E Insulated Glass, Add	*93.07*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.14
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.00
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	58.85
		For Tempered Low-E Insulated Glass, Add	*104.15*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	510.47	50.05
		For Tempered Low-E Insulated Glass, Add	*82.26*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.44
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.29
		For Tempered Low-E Insulated Glass, Add	*90.96*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.79	54.67
		For Tempered Low-E Insulated Glass, Add	*93.07*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.61
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	599.90	56.53
		For Tempered Low-E Insulated Glass, Add	*97.55*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.00
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	58.85
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	60.70
		For Tempered Low-E Insulated Glass, Add	*108.63*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.27	51.90
		For Tempered Low-E Insulated Glass, Add	*86.48*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.29
		For Tempered Low-E Insulated Glass, Add	*90.96*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.14
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	599.90	56.53
		For Tempered Low-E Insulated Glass, Add	*97.55*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.46
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	626.03	58.39
		For Tempered Low-E Insulated Glass, Add	*102.04*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	58.85
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	60.70
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	62.56
		For Tempered Low-E Insulated Glass, Add	*113.11*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	561.38	53.75
		For Tempered Low-E Insulated Glass, Add	*90.96*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.14
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.00
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	626.03	58.39
		For Tempered Low-E Insulated Glass, Add	*102.04*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	59.31
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	652.14	60.24
		For Tempered Low-E Insulated Glass, Add	*106.52*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	60.70
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	62.56
		For Tempered Low-E Insulated Glass, Add	*113.11*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.46	64.41
		For Tempered Low-E Insulated Glass, Add	*117.33*	

08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	587.50	55.61
		For Tempered Low-E Insulated Glass, Add	*95.44*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.00
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	58.85
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	652.14	60.24
		For Tempered Low-E Insulated Glass, Add	*106.52*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	61.16
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	676.95	62.10
		For Tempered Low-E Insulated Glass, Add	*110.74*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	62.56
		For Tempered Low-E Insulated Glass, Add	*113.11*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.46	64.41
		For Tempered Low-E Insulated Glass, Add	*117.33*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	741.57	66.26
		For Tempered Low-E Insulated Glass, Add	*121.81*	

08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.63	57.46
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	58.85
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	60.70
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	676.95	62.10
		For Tempered Low-E Insulated Glass, Add	*110.74*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	63.02
		For Tempered Low-E Insulated Glass, Add	*113.11*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.07	63.95
		For Tempered Low-E Insulated Glass, Add	*115.22*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.46	64.41
		For Tempered Low-E Insulated Glass, Add	*117.33*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	741.57	66.26
		For Tempered Low-E Insulated Glass, Add	*121.81*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.70	68.11
		For Tempered Low-E Insulated Glass, Add	*126.29*	
08 52 16 00-0138		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	638.43	59.31
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	60.70
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	62.56
		For Tempered Low-E Insulated Glass, Add	*113.11*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.07	63.95
		For Tempered Low-E Insulated Glass, Add	*115.22*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.46	64.87
		For Tempered Low-E Insulated Glass, Add	*117.33*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.18	65.80
		For Tempered Low-E Insulated Glass, Add	*119.70*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	741.57	66.26
		For Tempered Low-E Insulated Glass, Add	*121.81*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.70	68.11
		For Tempered Low-E Insulated Glass, Add	*126.29*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	793.82	69.97
		For Tempered Low-E Insulated Glass, Add	*130.78*	
08 52 16 00-0148		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.55	61.16
		For Tempered Low-E Insulated Glass, Add	*108.63*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	690.66	62.56
		For Tempered Low-E Insulated Glass, Add	*113.11*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.46	64.41
		For Tempered Low-E Insulated Glass, Add	*117.33*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.18	65.80
		For Tempered Low-E Insulated Glass, Add	*119.70*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	741.57	66.72
		For Tempered Low-E Insulated Glass, Add	*121.81*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	755.30	67.65
		For Tempered Low-E Insulated Glass, Add	*124.18*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.70	68.11
		For Tempered Low-E Insulated Glass, Add	*126.29*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	793.82	69.97
		For Tempered Low-E Insulated Glass, Add	*130.78*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	818.62	71.82
		For Tempered Low-E Insulated Glass, Add	*134.99*	
08 52 16 00-0158		84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,029.22	64.87
		For Tempered Low-E Insulated Glass, Add	*180.08*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,065.88	66.26
		For Tempered Low-E Insulated Glass, Add	*186.67*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,102.54	68.11
		For Tempered Low-E Insulated Glass, Add	*193.26*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,120.21	69.51
		For Tempered Low-E Insulated Glass, Add	*196.43*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,139.21	70.43
		For Tempered Low-E Insulated Glass, Add	*199.85*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,156.88	71.36
		For Tempered Low-E Insulated Glass, Add	*203.02*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,174.56	71.82
		For Tempered Low-E Insulated Glass, Add	*206.18*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,211.23	73.67
		For Tempered Low-E Insulated Glass, Add	*212.77*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,247.89	75.53
		For Tempered Low-E Insulated Glass, Add	*219.37*	
08 52 16 00-0168		88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,065.88	66.72
		For Tempered Low-E Insulated Glass, Add	*186.67*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,102.54	68.11
		For Tempered Low-E Insulated Glass, Add	*193.26*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,139.21	69.97
		For Tempered Low-E Insulated Glass, Add	*199.85*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,156.88	71.36
		For Tempered Low-E Insulated Glass, Add	*203.02*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,174.56	72.29
		For Tempered Low-E Insulated Glass, Add	*206.18*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,193.55	73.21
		For Tempered Low-E Insulated Glass, Add	*209.61*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,211.23	73.67
		For Tempered Low-E Insulated Glass, Add	*212.77*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,247.89	75.53
		For Tempered Low-E Insulated Glass, Add	*219.37*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,284.55	77.38
		For Tempered Low-E Insulated Glass, Add	*225.96*	
08 52 16 00-0178		Casement Wood Clad Windows *(08 52 16)*		
08 52 16 00-0179		Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180		One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0181		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	240.04	35.21
		For Tempered Clear Insulated Glass, Add	*34.11*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	253.40	36.15
		For Tempered Clear Insulated Glass, Add	*36.22*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	268.57	38.00
		For Tempered Clear Insulated Glass, Add	*38.51*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	282.66	39.85
		For Tempered Clear Insulated Glass, Add	*40.59*	
08 52 16 00-0186		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	256.97	37.07
		For Tempered Clear Insulated Glass, Add	*36.75*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	270.34	38.00
		For Tempered Clear Insulated Glass, Add	*38.87*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	285.50	39.85
		For Tempered Clear Insulated Glass, Add	*41.16*	
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	293.74	41.70
		For Tempered Clear Insulated Glass, Add	*42.07*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	310.73	43.56
		For Tempered Clear Insulated Glass, Add	*44.91*	
08 52 16 00-0192		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	287.26	39.85
		For Tempered Clear Insulated Glass, Add	*41.51*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	301.50	41.70
		For Tempered Clear Insulated Glass, Add	*43.80*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	316.67	43.10
		For Tempered Clear Insulated Glass, Add	*46.10*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	339.78	44.95
		For Tempered Clear Insulated Glass, Add	*49.98*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	361.48	46.34
		For Tempered Clear Insulated Glass, Add	*53.76*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	382.32	47.26
		For Tempered Clear Insulated Glass, Add	*57.56*	
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	307.76	42.63
		For Tempered Clear Insulated Glass, Add	*44.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	321.12	43.56
		For Tempered Clear Insulated Glass, Add	*46.80*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	336.29	45.41
		For Tempered Clear Insulated Glass, Add	*49.09*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	369.10	47.26
		For Tempered Clear Insulated Glass, Add	*54.91*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	391.79	49.12
		For Tempered Clear Insulated Glass, Add	*58.90*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	413.50	50.97
		For Tempered Clear Insulated Glass, Add	*62.50*	

08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	337.22	46.34
		For Tempered Clear Insulated Glass, Add	*49.09*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	351.46	47.26
		For Tempered Clear Insulated Glass, Add	*51.39*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	366.62	49.12
		For Tempered Clear Insulated Glass, Add	*53.68*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	411.34	50.97
		For Tempered Clear Insulated Glass, Add	*61.88*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	429.33	52.82
		For Tempered Clear Insulated Glass, Add	*64.92*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	456.17	54.67
		For Tempered Clear Insulated Glass, Add	*69.55*	

08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	356.80	48.19
		For Tempered Clear Insulated Glass, Add	*52.27*	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	370.15	49.12
		For Tempered Clear Insulated Glass, Add	*54.38*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	385.33	50.97
		For Tempered Clear Insulated Glass, Add	*56.68*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	440.17	52.82
		For Tempered Clear Insulated Glass, Add	*66.90*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	466.52	54.67
		For Tempered Clear Insulated Glass, Add	*71.62*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	484.56	56.53
		For Tempered Clear Insulated Glass, Add	*74.49*	

08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	385.33	50.97
		For Tempered Clear Insulated Glass, Add	*56.68*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	399.56	52.82
		For Tempered Clear Insulated Glass, Add	*58.97*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	414.74	54.21
		For Tempered Clear Insulated Glass, Add	*61.26*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	481.91	56.07
		For Tempered Clear Insulated Glass, Add	*73.96*	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	500.91	57.46
		For Tempered Clear Insulated Glass, Add	*77.20*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	526.32	59.31
		For Tempered Clear Insulated Glass, Add	*81.54*	

08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	405.82	53.75
		For Tempered Clear Insulated Glass, Add	*59.85*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	419.19	54.67
		For Tempered Clear Insulated Glass, Add	*61.97*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	434.35	56.53
		For Tempered Clear Insulated Glass, Add	*64.26*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	511.24	58.39
		For Tempered Clear Insulated Glass, Add	*78.89*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	528.98	60.24
		For Tempered Clear Insulated Glass, Add	*81.89*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	555.64	62.10
		For Tempered Clear Insulated Glass, Add	*86.48*	

08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	434.35	56.53
		For Tempered Clear Insulated Glass, Add	*64.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	448.61	58.39
		For Tempered Clear Insulated Glass, Add	*66.55*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	463.77	59.77
		For Tempered Clear Insulated Glass, Add	*68.84*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	553.00	61.63
		For Tempered Clear Insulated Glass, Add	*85.95*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	574.52	63.02
		For Tempered Clear Insulated Glass, Add	*89.70*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	597.40	64.87
		For Tempered Clear Insulated Glass, Add	*93.53*	

08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	417.35	45.41
		For Tempered Clear Insulated Glass, Add	*65.31*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	472.51	49.12
		For Tempered Clear Insulated Glass, Add	*74.86*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	535.97	52.82
		For Tempered Clear Insulated Glass, Add	*86.06*	

08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	449.04	47.26
		For Tempered Clear Insulated Glass, Add	*70.90*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	504.20	50.97
		For Tempered Clear Insulated Glass, Add	*80.45*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	567.66	54.67
		For Tempered Clear Insulated Glass, Add	*91.66*	

08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	445.29	47.26
		For Tempered Clear Insulated Glass, Add	*70.15*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	501.15	50.97
		For Tempered Clear Insulated Glass, Add	*80.03*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	559.70	54.67
		For Tempered Clear Insulated Glass, Add	*90.25*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	627.07	57.92
		For Tempered Clear Insulated Glass, Add	*102.24*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	672.42	60.70
		For Tempered Clear Insulated Glass, Add	*110.20*	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	747.65	64.87
		For Tempered Clear Insulated Glass, Add	*123.58*	

08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	484.31	49.58
		For Tempered Clear Insulated Glass, Add	*77.03*	
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	540.17	52.82
		For Tempered Clear Insulated Glass, Add	*86.90*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	598.71	56.53
		For Tempered Clear Insulated Glass, Add	*97.13*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	666.09	60.24
		For Tempered Clear Insulated Glass, Add	*109.12*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	716.10	63.02
		For Tempered Clear Insulated Glass, Add	*118.01*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	921.56	67.19
		For Tempered Clear Insulated Glass, Add	*157.44*	

08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	541.97	53.29
		For Tempered Clear Insulated Glass, Add	*87.08*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	598.71	56.53
		For Tempered Clear Insulated Glass, Add	*97.13*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	657.27	60.24
		For Tempered Clear Insulated Glass, Add	*107.36*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	724.63	63.95
		For Tempered Clear Insulated Glass, Add	*119.35*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	772.63	66.72
		For Tempered Clear Insulated Glass, Add	*127.83*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	845.21	70.90
		For Tempered Clear Insulated Glass, Add	*140.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0271		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	580.06	55.14
		For Tempered Clear Insulated Glass, Add	*93.96*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	635.93	58.39
		For Tempered Clear Insulated Glass, Add	*103.83*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	687.93	62.10
		For Tempered Clear Insulated Glass, Add	*112.75*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	761.84	65.80
		For Tempered Clear Insulated Glass, Add	*126.05*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	812.05	68.58
		For Tempered Clear Insulated Glass, Add	*134.98*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	883.31	72.75
		For Tempered Clear Insulated Glass, Add	*147.56*	
08 52 16 00-0278		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	636.81	58.39
		For Tempered Clear Insulated Glass, Add	*104.01*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	692.67	62.10
		For Tempered Clear Insulated Glass, Add	*113.88*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	751.22	65.80
		For Tempered Clear Insulated Glass, Add	*124.11*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	818.58	69.05
		For Tempered Clear Insulated Glass, Add	*136.10*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	868.79	71.82
		For Tempered Clear Insulated Glass, Add	*145.03*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	939.16	76.00
		For Tempered Clear Insulated Glass, Add	*157.44*	
08 52 16 00-0285		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	675.83	60.70
		For Tempered Clear Insulated Glass, Add	*110.88*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	731.69	63.95
		For Tempered Clear Insulated Glass, Add	*120.76*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	791.12	67.65
		For Tempered Clear Insulated Glass, Add	*131.16*	
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	858.48	71.36
		For Tempered Clear Insulated Glass, Add	*143.15*	
08 52 16 00-0290		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	732.57	63.95
		For Tempered Clear Insulated Glass, Add	*120.94*	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	788.43	67.65
		For Tempered Clear Insulated Glass, Add	*130.81*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	846.98	71.36
		For Tempered Clear Insulated Glass, Add	*141.04*	
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	914.35	74.61
		For Tempered Clear Insulated Glass, Add	*153.03*	
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	652.89	59.77
		For Tempered Clear Insulated Glass, Add	*106.67*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	756.72	65.80
		For Tempered Clear Insulated Glass, Add	*125.02*	
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	691.52	61.63
		For Tempered Clear Insulated Glass, Add	*113.65*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	788.81	67.65
		For Tempered Clear Insulated Glass, Add	*130.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	666.26	60.24
		For Tempered Clear Insulated Glass, Add	*109.16*	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	749.41	64.87
		For Tempered Clear Insulated Glass, Add	*123.93*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	852.27	71.36
		For Tempered Clear Insulated Glass, Add	*142.10*	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	703.48	63.02
		For Tempered Clear Insulated Glass, Add	*115.67*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	789.31	67.19
		For Tempered Clear Insulated Glass, Add	*130.99*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	891.29	73.21
		For Tempered Clear Insulated Glass, Add	*148.97*	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	846.98	70.90
		For Tempered Clear Insulated Glass, Add	*141.04*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	948.95	76.92
		For Tempered Clear Insulated Glass, Add	*159.02*	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	885.07	72.75
		For Tempered Clear Insulated Glass, Add	*147.91*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	987.04	78.77
		For Tempered Clear Insulated Glass, Add	*165.90*	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	940.92	76.00
		For Tempered Clear Insulated Glass, Add	*157.79*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,043.78	82.48
		For Tempered Clear Insulated Glass, Add	*175.95*	
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	281.04	35.21
		For Tempered Low-E Insulated Glass, Add	*42.31*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	297.04	36.15
		For Tempered Low-E Insulated Glass, Add	*44.95*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	315.08	38.00
		For Tempered Low-E Insulated Glass, Add	*47.82*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	331.77	39.85
		For Tempered Low-E Insulated Glass, Add	*50.41*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	301.27	37.07
		For Tempered Low-E Insulated Glass, Add	*45.61*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	317.28	38.00
		For Tempered Low-E Insulated Glass, Add	*48.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	335.31	39.85
		For Tempered Low-E Insulated Glass, Add	*51.12*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	344.68	41.70
		For Tempered Low-E Insulated Glass, Add	*52.25*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	365.22	43.56
		For Tempered Low-E Insulated Glass, Add	*55.81*	
08 52 16 00-0332		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	337.51	39.85
		For Tempered Low-E Insulated Glass, Add	*51.56*	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	354.62	41.70
		For Tempered Low-E Insulated Glass, Add	*54.43*	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	372.66	43.10
		For Tempered Low-E Insulated Glass, Add	*57.29*	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	400.61	44.95
		For Tempered Low-E Insulated Glass, Add	*62.14*	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	427.04	46.34
		For Tempered Low-E Insulated Glass, Add	*66.87*	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	452.63	47.26
		For Tempered Low-E Insulated Glass, Add	*71.62*	
08 52 16 00-0339		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	361.98	42.63
		For Tempered Low-E Insulated Glass, Add	*55.53*	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	377.99	43.56
		For Tempered Low-E Insulated Glass, Add	*58.18*	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	396.02	45.41
		For Tempered Low-E Insulated Glass, Add	*61.04*	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	436.10	47.26
		For Tempered Low-E Insulated Glass, Add	*68.31*	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	463.77	49.12
		For Tempered Low-E Insulated Glass, Add	*73.29*	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	489.98	50.97
		For Tempered Low-E Insulated Glass, Add	*77.79*	
08 52 16 00-0346		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	396.95	46.34
		For Tempered Low-E Insulated Glass, Add	*61.04*	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	414.06	47.26
		For Tempered Low-E Insulated Glass, Add	*63.91*	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	432.09	49.12
		For Tempered Low-E Insulated Glass, Add	*66.77*	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	487.05	50.97
		For Tempered Low-E Insulated Glass, Add	*77.02*	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	508.84	52.82
		For Tempered Low-E Insulated Glass, Add	*80.82*	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	541.47	54.67
		For Tempered Low-E Insulated Glass, Add	*86.61*	
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	420.50	48.19
		For Tempered Low-E Insulated Glass, Add	*65.01*	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	436.50	49.12
		For Tempered Low-E Insulated Glass, Add	*67.65*	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	454.54	50.97
		For Tempered Low-E Insulated Glass, Add	*70.52*	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	522.16	52.82
		For Tempered Low-E Insulated Glass, Add	*83.30*	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	554.41	54.67
		For Tempered Low-E Insulated Glass, Add	*89.20*	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.03	56.53
		For Tempered Low-E Insulated Glass, Add	*92.78*	
08 52 16 00-0360		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	454.54	50.97
		For Tempered Low-E Insulated Glass, Add	*70.52*	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	471.64	52.82
		For Tempered Low-E Insulated Glass, Add	*73.38*	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	489.68	54.21
		For Tempered Low-E Insulated Glass, Add	*76.25*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	572.73	56.07
		For Tempered Low-E Insulated Glass, Add	*92.12*	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	595.77	57.46
		For Tempered Low-E Insulated Glass, Add	*96.17*	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	626.60	59.31
		For Tempered Low-E Insulated Glass, Add	*101.60*	
08 52 16 00-0367		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	479.00	53.75
		For Tempered Low-E Insulated Glass, Add	*74.49*	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	495.01	54.67
		For Tempered Low-E Insulated Glass, Add	*77.13*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	513.04	56.53
		For Tempered Low-E Insulated Glass, Add	*80.00*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	608.22	58.39
		For Tempered Low-E Insulated Glass, Add	*98.29*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	629.70	60.24
		For Tempered Low-E Insulated Glass, Add	*102.03*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	662.10	62.10
		For Tempered Low-E Insulated Glass, Add	*107.77*	
08 52 16 00-0374		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	513.04	56.53
		For Tempered Low-E Insulated Glass, Add	*80.00*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	530.16	58.39
		For Tempered Low-E Insulated Glass, Add	*82.86*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	548.19	59.77
		For Tempered Low-E Insulated Glass, Add	*85.73*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	658.80	61.63
		For Tempered Low-E Insulated Glass, Add	*107.11*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	685.00	63.02
		For Tempered Low-E Insulated Glass, Add	*111.79*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	712.67	64.87
		For Tempered Low-E Insulated Glass, Add	*116.58*	
08 52 16 00-0381		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0382		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	495.71	45.41
		For Tempered Low-E Insulated Glass, Add	*80.98*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	562.80	49.12
		For Tempered Low-E Insulated Glass, Add	*92.91*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	640.28	52.82
		For Tempered Low-E Insulated Glass, Add	*106.93*	
08 52 16 00-0386		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	534.40	47.26
		For Tempered Low-E Insulated Glass, Add	*87.97*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	601.50	50.97
		For Tempered Low-E Insulated Glass, Add	*99.91*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	678.96	54.67
		For Tempered Low-E Insulated Glass, Add	*113.92*	
08 52 16 00-0390		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	529.71	47.26
		For Tempered Low-E Insulated Glass, Add	*87.04*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	597.91	50.97
		For Tempered Low-E Insulated Glass, Add	*99.38*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	669.24	54.67
		For Tempered Low-E Insulated Glass, Add	*112.16*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	751.61	57.92
		For Tempered Low-E Insulated Glass, Add	*127.15*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	806.90	60.70
		For Tempered Low-E Insulated Glass, Add	*137.10*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	898.85	64.87
		For Tempered Low-E Insulated Glass, Add	*153.82*	
08 52 16 00-0397		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	577.32	49.58
		For Tempered Low-E Insulated Glass, Add	*95.63*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	645.53	52.82
		For Tempered Low-E Insulated Glass, Add	*107.98*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	716.86	56.53
		For Tempered Low-E Insulated Glass, Add	*120.76*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	799.22	60.24
		For Tempered Low-E Insulated Glass, Add	*135.75*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	860.34	63.02
		For Tempered Low-E Insulated Glass, Add	*146.86*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,115.08	67.19
		For Tempered Low-E Insulated Glass, Add	*196.14*	

08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	647.55	53.29
		For Tempered Low-E Insulated Glass, Add	*108.20*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	716.86	56.53
		For Tempered Low-E Insulated Glass, Add	*120.76*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	788.19	60.24
		For Tempered Low-E Insulated Glass, Add	*133.54*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	870.55	63.95
		For Tempered Low-E Insulated Glass, Add	*148.53*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	929.15	66.72
		For Tempered Low-E Insulated Glass, Add	*159.14*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,017.80	70.90
		For Tempered Low-E Insulated Glass, Add	*175.20*	

08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	694.24	55.14
		For Tempered Low-E Insulated Glass, Add	*116.79*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	762.44	58.39
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	827.23	62.10
		For Tempered Low-E Insulated Glass, Add	*140.61*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	916.13	65.80
		For Tempered Low-E Insulated Glass, Add	*156.91*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	977.49	68.58
		For Tempered Low-E Insulated Glass, Add	*168.07*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,064.49	72.75
		For Tempered Low-E Insulated Glass, Add	*183.80*	

08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	763.55	58.39
		For Tempered Low-E Insulated Glass, Add	*129.36*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	831.75	62.10
		For Tempered Low-E Insulated Glass, Add	*141.70*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	903.08	65.80
		For Tempered Low-E Insulated Glass, Add	*154.48*	
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	985.43	69.05
		For Tempered Low-E Insulated Glass, Add	*169.47*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,046.80	71.82
		For Tempered Low-E Insulated Glass, Add	*180.63*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,132.68	76.00
		For Tempered Low-E Insulated Glass, Add	*196.14*	

08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	811.17	60.70
		For Tempered Low-E Insulated Glass, Add	*137.95*	
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	879.36	63.95
		For Tempered Low-E Insulated Glass, Add	*150.29*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	951.80	67.65
		For Tempered Low-E Insulated Glass, Add	*163.30*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,034.15	71.36
		For Tempered Low-E Insulated Glass, Add	*178.29*	

08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	880.46	63.95
		For Tempered Low-E Insulated Glass, Add	*150.51*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	948.67	67.65
		For Tempered Low-E Insulated Glass, Add	*162.86*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,020.00	71.36
		For Tempered Low-E Insulated Glass, Add	*175.64*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,102.36	74.61
		For Tempered Low-E Insulated Glass, Add	*190.63*	
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	784.59	59.77
		For Tempered Low-E Insulated Glass, Add	*133.01*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	909.73	65.80
		For Tempered Low-E Insulated Glass, Add	*155.63*	
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	830.31	61.63
		For Tempered Low-E Insulated Glass, Add	*141.41*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	948.92	67.65
		For Tempered Low-E Insulated Glass, Add	*162.72*	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	799.44	60.24
		For Tempered Low-E Insulated Glass, Add	*135.79*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	901.06	64.87
		For Tempered Low-E Insulated Glass, Add	*154.26*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,026.61	71.36
		For Tempered Low-E Insulated Glass, Add	*176.96*	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	844.80	63.02
		For Tempered Low-E Insulated Glass, Add	*143.94*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	949.77	67.19
		For Tempered Low-E Insulated Glass, Add	*163.08*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,074.23	73.21
		For Tempered Low-E Insulated Glass, Add	*185.56*	
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,020.00	70.90
		For Tempered Low-E Insulated Glass, Add	*175.64*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,144.46	76.92
		For Tempered Low-E Insulated Glass, Add	*198.12*	
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,066.69	72.75
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,191.14	78.77
		For Tempered Low-E Insulated Glass, Add	*206.72*	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,134.89	76.00
		For Tempered Low-E Insulated Glass, Add	*196.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,260.45	82.48
		For Tempered Low-E Insulated Glass, Add	*219.28*	
08 52 16 00-0459		Awning Wood Clad Windows *(08 52 16)*		
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	260.16	38.00
		For Tempered Clear Insulated Glass, Add	*36.83*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	277.97	39.85
		For Tempered Clear Insulated Glass, Add	*39.65*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	292.47	41.24
		For Tempered Clear Insulated Glass, Add	*42.00*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	310.91	43.10
		For Tempered Clear Insulated Glass, Add	*44.94*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	332.29	45.41
		For Tempered Clear Insulated Glass, Add	*48.29*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	365.27	49.12
		For Tempered Clear Insulated Glass, Add	*53.41*	
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	385.74	50.97
		For Tempered Clear Insulated Glass, Add	*56.76*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	416.03	54.67
		For Tempered Clear Insulated Glass, Add	*61.52*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	428.20	56.53
		For Tempered Clear Insulated Glass, Add	*63.03*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	458.19	59.77
		For Tempered Clear Insulated Glass, Add	*67.73*	
08 52 16 00-0473		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	273.95	39.85
		For Tempered Clear Insulated Glass, Add	*39.04*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	293.09	41.70
		For Tempered Clear Insulated Glass, Add	*42.12*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	305.72	42.63
		For Tempered Clear Insulated Glass, Add	*44.09*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	326.03	44.49
		For Tempered Clear Insulated Glass, Add	*47.41*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	347.42	47.26
		For Tempered Clear Insulated Glass, Add	*50.76*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	379.52	50.51
		For Tempered Clear Insulated Glass, Add	*55.70*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	399.97	52.82
		For Tempered Clear Insulated Glass, Add	*59.05*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	431.15	55.61
		For Tempered Clear Insulated Glass, Add	*63.99*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	442.31	58.39
		For Tempered Clear Insulated Glass, Add	*65.29*	
08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	473.16	61.16
		For Tempered Clear Insulated Glass, Add	*70.17*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	709.12	67.65
		For Tempered Clear Insulated Glass, Add	*114.95*	
08 52 16 00-0485		24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	291.33	41.70
		For Tempered Clear Insulated Glass, Add	*41.77*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	309.15	43.56
		For Tempered Clear Insulated Glass, Add	*44.59*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	321.39	44.49
		For Tempered Clear Insulated Glass, Add	*46.48*	
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	342.08	46.34
		For Tempered Clear Insulated Glass, Add	*49.88*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	363.47	49.12
		For Tempered Clear Insulated Glass, Add	*53.23*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	396.45	52.36
		For Tempered Clear Insulated Glass, Add	*58.35*	
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	416.91	54.67
		For Tempered Clear Insulated Glass, Add	*61.70*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	448.08	57.46
		For Tempered Clear Insulated Glass, Add	*66.63*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	458.19	60.24
		For Tempered Clear Insulated Glass, Add	*67.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	488.14	63.02
		For Tempered Clear Insulated Glass, Add	*72.42*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	744.97	69.51
		For Tempered Clear Insulated Glass, Add	*121.38*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	292.40	43.56
		For Tempered Clear Insulated Glass, Add	*41.24*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	319.03	45.41
		For Tempered Clear Insulated Glass, Add	*45.83*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	336.31	46.34
		For Tempered Clear Insulated Glass, Add	*48.73*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	367.83	48.19
		For Tempered Clear Insulated Glass, Add	*54.29*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	399.80	50.97
		For Tempered Clear Insulated Glass, Add	*59.76*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	446.88	54.21
		For Tempered Clear Insulated Glass, Add	*67.69*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	477.03	56.53
		For Tempered Clear Insulated Glass, Add	*72.98*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	523.20	59.31
		For Tempered Clear Insulated Glass, Add	*80.92*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	541.12	62.10
		For Tempered Clear Insulated Glass, Add	*83.57*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	585.91	64.87
		For Tempered Clear Insulated Glass, Add	*91.23*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	765.20	71.36
		For Tempered Clear Insulated Glass, Add	*124.68*	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	336.31	46.34
		For Tempered Clear Insulated Glass, Add	*48.73*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	354.80	47.72
		For Tempered Clear Insulated Glass, Add	*51.87*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	380.18	49.58
		For Tempered Clear Insulated Glass, Add	*56.20*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	408.75	51.90
		For Tempered Clear Insulated Glass, Add	*60.99*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	450.56	55.61
		For Tempered Clear Insulated Glass, Add	*67.87*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	478.94	57.46
		For Tempered Clear Insulated Glass, Add	*72.80*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	519.83	61.16
		For Tempered Clear Insulated Glass, Add	*79.68*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	548.38	63.02
		For Tempered Clear Insulated Glass, Add	*84.47*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.01	66.26
		For Tempered Clear Insulated Glass, Add	*91.50*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	813.44	72.29
		For Tempered Clear Insulated Glass, Add	*133.77*	

08 52 16 00-0520 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	380.18	49.58
		For Tempered Clear Insulated Glass, Add	*56.20*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	415.76	51.44
		For Tempered Clear Insulated Glass, Add	*62.58*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	447.73	53.75
		For Tempered Clear Insulated Glass, Add	*68.04*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	494.81	57.46
		For Tempered Clear Insulated Glass, Add	*75.98*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	525.84	59.31
		For Tempered Clear Insulated Glass, Add	*81.44*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	571.13	63.02
		For Tempered Clear Insulated Glass, Add	*89.20*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	506.70	64.87
		For Tempered Clear Insulated Glass, Add	*75.39*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	542.77	68.11
		For Tempered Clear Insulated Glass, Add	*81.31*	

08 52 16 00-0529 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	442.44	53.75
		For Tempered Clear Insulated Glass, Add	*66.99*	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	494.67	56.53
		For Tempered Clear Insulated Glass, Add	*76.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0532		**48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	521.26	57.46
		For Tempered Clear Insulated Glass, Add	*81.27*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	574.38	60.24
		For Tempered Clear Insulated Glass, Add	*90.97*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	652.33	63.48
		For Tempered Clear Insulated Glass, Add	*105.07*	
08 52 16 00-0536		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	638.82	62.56
		For Tempered Clear Insulated Glass, Add	*102.74*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	685.57	64.87
		For Tempered Clear Insulated Glass, Add	*111.16*	
08 52 16 00-0539		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	694.48	63.02
		For Tempered Clear Insulated Glass, Add	*113.69*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	720.75	68.11
		For Tempered Clear Insulated Glass, Add	*116.90*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	793.90	70.43
		For Tempered Clear Insulated Glass, Add	*130.61*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	869.64	74.14
		For Tempered Clear Insulated Glass, Add	*144.27*	
08 52 16 00-0544		**Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0460)*		
08 52 16 00-0545		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0544)*		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	232.83	38.00
		For Tempered Clear Insulated Glass, Add	*31.37*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	249.76	39.85
		For Tempered Clear Insulated Glass, Add	*34.01*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	261.06	41.24
		For Tempered Clear Insulated Glass, Add	*35.72*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	279.17	43.10
		For Tempered Clear Insulated Glass, Add	*38.60*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	298.79	45.41
		For Tempered Clear Insulated Glass, Add	*41.59*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	329.12	49.12
		For Tempered Clear Insulated Glass, Add	*46.18*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	346.95	50.97
		For Tempered Clear Insulated Glass, Add	*49.00*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	375.47	54.67
		For Tempered Clear Insulated Glass, Add	*53.41*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	395.09	56.53
		For Tempered Clear Insulated Glass, Add	*56.41*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	423.62	59.77
		For Tempered Clear Insulated Glass, Add	*60.81*	
08 52 16 00-0556		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0544)*		
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	246.18	39.85
		For Tempered Clear Insulated Glass, Add	*33.48*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	263.12	41.70
		For Tempered Clear Insulated Glass, Add	*36.13*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	273.57	42.63
		For Tempered Clear Insulated Glass, Add	*37.66*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	293.41	44.49
		For Tempered Clear Insulated Glass, Add	*40.89*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	313.03	47.26
		For Tempered Clear Insulated Glass, Add	*43.89*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	342.49	50.51
		For Tempered Clear Insulated Glass, Add	*48.29*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	361.18	52.82
		For Tempered Clear Insulated Glass, Add	*51.29*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	388.83	55.61
		For Tempered Clear Insulated Glass, Add	*55.52*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	409.34	58.39
		For Tempered Clear Insulated Glass, Add	*58.70*	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	436.98	61.16
		For Tempered Clear Insulated Glass, Add	*62.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	261.36	41.70
		For Tempered Clear Insulated Glass, Add	*35.78*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	278.29	43.56
		For Tempered Clear Insulated Glass, Add	*38.42*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	287.74	44.49
		For Tempered Clear Insulated Glass, Add	*39.75*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	307.69	46.34
		For Tempered Clear Insulated Glass, Add	*43.00*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	327.32	49.12
		For Tempered Clear Insulated Glass, Add	*46.00*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	356.77	52.36
		For Tempered Clear Insulated Glass, Add	*50.41*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	375.47	54.67
		For Tempered Clear Insulated Glass, Add	*53.41*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	404.00	57.46
		For Tempered Clear Insulated Glass, Add	*57.82*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	423.62	60.24
		For Tempered Clear Insulated Glass, Add	*60.81*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	452.14	63.02
		For Tempered Clear Insulated Glass, Add	*65.22*	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	264.18	43.56
		For Tempered Clear Insulated Glass, Add	*35.60*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	286.41	45.41
		For Tempered Clear Insulated Glass, Add	*39.30*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	298.92	46.34
		For Tempered Clear Insulated Glass, Add	*41.25*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	311.40	48.19
		For Tempered Clear Insulated Glass, Add	*43.00*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	352.19	50.97
		For Tempered Clear Insulated Glass, Add	*50.23*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	390.46	54.21
		For Tempered Clear Insulated Glass, Add	*56.41*	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	415.32	56.53
		For Tempered Clear Insulated Glass, Add	*60.64*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	452.67	59.31
		For Tempered Clear Insulated Glass, Add	*66.81*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	479.35	62.10
		For Tempered Clear Insulated Glass, Add	*71.22*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	516.69	64.87
		For Tempered Clear Insulated Glass, Add	*77.39*	

08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	298.92	46.34
		For Tempered Clear Insulated Glass, Add	*41.25*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	314.42	47.72
		For Tempered Clear Insulated Glass, Add	*43.79*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	335.32	49.58
		For Tempered Clear Insulated Glass, Add	*47.23*	
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	359.40	51.90
		For Tempered Clear Insulated Glass, Add	*51.12*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	394.48	55.61
		For Tempered Clear Insulated Glass, Add	*56.65*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	417.63	57.46
		For Tempered Clear Insulated Glass, Add	*60.54*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	451.78	61.16
		For Tempered Clear Insulated Glass, Add	*66.07*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	475.10	63.02
		For Tempered Clear Insulated Glass, Add	*69.81*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	509.25	66.26
		For Tempered Clear Insulated Glass, Add	*75.35*	

08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	335.32	49.58
		For Tempered Clear Insulated Glass, Add	*47.23*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	365.50	51.44
		For Tempered Clear Insulated Glass, Add	*52.53*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	391.30	53.75
		For Tempered Clear Insulated Glass, Add	*56.76*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	430.45	57.46
		For Tempered Clear Insulated Glass, Add	*63.11*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	455.31	59.31
		For Tempered Clear Insulated Glass, Add	*67.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	492.66	63.02
		For Tempered Clear Insulated Glass, Add	*73.51*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	518.46	64.87
		For Tempered Clear Insulated Glass, Add	*77.74*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	555.80	68.11
		For Tempered Clear Insulated Glass, Add	*83.91*	

08 52 16 00-0608 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0609 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0610 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	303.81	38.00
		For Tempered Low-E Insulated Glass, Add	*45.56*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	325.14	39.85
		For Tempered Low-E Insulated Glass, Add	*49.09*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	342.57	41.24
		For Tempered Low-E Insulated Glass, Add	*52.02*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	364.69	43.10
		For Tempered Low-E Insulated Glass, Add	*55.70*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	390.26	45.41
		For Tempered Low-E Insulated Glass, Add	*59.89*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	429.63	49.12
		For Tempered Low-E Insulated Glass, Add	*66.28*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	454.29	50.97
		For Tempered Low-E Insulated Glass, Add	*70.47*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	490.53	54.67
		For Tempered Low-E Insulated Glass, Add	*76.42*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	504.59	56.53
		For Tempered Low-E Insulated Glass, Add	*78.31*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	540.46	59.77
		For Tempered Low-E Insulated Glass, Add	*84.18*	

08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	320.35	39.85
		For Tempered Low-E Insulated Glass, Add	*48.32*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	343.35	41.70
		For Tempered Low-E Insulated Glass, Add	*52.17*	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	358.43	42.63
		For Tempered Low-E Insulated Glass, Add	*54.63*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	382.90	44.49
		For Tempered Low-E Insulated Glass, Add	*58.79*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	408.47	47.26
		For Tempered Low-E Insulated Glass, Add	*62.97*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	446.75	50.51
		For Tempered Low-E Insulated Glass, Add	*69.15*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	471.39	52.82
		For Tempered Low-E Insulated Glass, Add	*73.33*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	508.73	55.61
		For Tempered Low-E Insulated Glass, Add	*79.50*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	521.52	58.39
		For Tempered Low-E Insulated Glass, Add	*81.13*	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	558.47	61.16
		For Tempered Low-E Insulated Glass, Add	*87.23*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	850.40	67.65
		For Tempered Low-E Insulated Glass, Add	*143.20*	

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	341.14	41.70
		For Tempered Low-E Insulated Glass, Add	*51.73*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	362.49	43.56
		For Tempered Low-E Insulated Glass, Add	*55.26*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	377.10	44.49
		For Tempered Low-E Insulated Glass, Add	*57.63*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	402.03	46.34
		For Tempered Low-E Insulated Glass, Add	*61.87*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	427.61	49.12
		For Tempered Low-E Insulated Glass, Add	*66.06*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	466.98	52.36
		For Tempered Low-E Insulated Glass, Add	*72.45*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	491.63	54.67
		For Tempered Low-E Insulated Glass, Add	*76.64*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	528.98	57.46
		For Tempered Low-E Insulated Glass, Add	*82.81*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	540.46	60.24
		For Tempered Low-E Insulated Glass, Add	*84.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	576.27	63.02
		For Tempered Low-E Insulated Glass, Add	*90.05*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	894.29	69.51
		For Tempered Low-E Insulated Glass, Add	*151.24*	

08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	341.55	43.56
		For Tempered Low-E Insulated Glass, Add	*51.07*	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	373.91	45.41
		For Tempered Low-E Insulated Glass, Add	*56.80*	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	394.82	46.34
		For Tempered Low-E Insulated Glass, Add	*60.43*	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	433.29	48.19
		For Tempered Low-E Insulated Glass, Add	*67.38*	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	472.10	50.97
		For Tempered Low-E Insulated Glass, Add	*74.22*	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	529.10	54.21
		For Tempered Low-E Insulated Glass, Add	*84.13*	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	565.86	56.53
		For Tempered Low-E Insulated Glass, Add	*90.75*	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	621.94	59.31
		For Tempered Low-E Insulated Glass, Add	*100.66*	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	643.18	62.10
		For Tempered Low-E Insulated Glass, Add	*103.98*	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	793.53	64.87
		For Tempered Low-E Insulated Glass, Add	*132.76*	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	918.65	71.36
		For Tempered Low-E Insulated Glass, Add	*155.37*	

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	394.82	46.34
		For Tempered Low-E Insulated Glass, Add	*60.43*	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	417.24	47.72
		For Tempered Low-E Insulated Glass, Add	*64.36*	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	448.04	49.58
		For Tempered Low-E Insulated Glass, Add	*69.78*	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	482.59	51.90
		For Tempered Low-E Insulated Glass, Add	*75.76*	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	532.99	55.61
		For Tempered Low-E Insulated Glass, Add	*84.36*	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	567.55	57.46
		For Tempered Low-E Insulated Glass, Add	*90.53*	
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	617.03	61.16
		For Tempered Low-E Insulated Glass, Add	*99.12*	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	651.56	63.02
		For Tempered Low-E Insulated Glass, Add	*105.11*	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	701.98	66.26
		For Tempered Low-E Insulated Glass, Add	*113.89*	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	978.26	72.29
		For Tempered Low-E Insulated Glass, Add	*166.74*	

08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	448.04	49.58
		For Tempered Low-E Insulated Glass, Add	*69.78*	
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	491.58	51.44
		For Tempered Low-E Insulated Glass, Add	*77.74*	
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	530.38	53.75
		For Tempered Low-E Insulated Glass, Add	*84.57*	
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	587.39	57.46
		For Tempered Low-E Insulated Glass, Add	*94.49*	
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	625.25	59.31
		For Tempered Low-E Insulated Glass, Add	*101.33*	
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	680.23	63.02
		For Tempered Low-E Insulated Glass, Add	*111.02*	
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	598.53	64.87
		For Tempered Low-E Insulated Glass, Add	*93.76*	
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	642.01	68.11
		For Tempered Low-E Insulated Glass, Add	*101.16*	

08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	519.13	53.75
		For Tempered Low-E Insulated Glass, Add	*83.25*	
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	590.69	57.46
		For Tempered Low-E Insulated Glass, Add	*95.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0680		**48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	620.45	57.46
		For Tempered Low-E Insulated Glass, Add	*101.11*	
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	685.69	60.24
		For Tempered Low-E Insulated Glass, Add	*113.23*	
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	781.28	63.48
		For Tempered Low-E Insulated Glass, Add	*130.86*	
08 52 16 00-0684		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	764.85	62.56
		For Tempered Low-E Insulated Glass, Add	*127.95*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	822.13	64.87
		For Tempered Low-E Insulated Glass, Add	*138.48*	
08 52 16 00-0687		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	834.20	63.02
		For Tempered Low-E Insulated Glass, Add	*141.63*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	864.49	68.11
		For Tempered Low-E Insulated Glass, Add	*145.65*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	954.75	70.43
		For Tempered Low-E Insulated Glass, Add	*162.78*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,047.58	74.14
		For Tempered Low-E Insulated Glass, Add	*179.86*	
08 52 16 00-0692		**Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0608)*		
08 52 16 00-0693		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	269.64	38.00
		For Tempered Low-E Insulated Glass, Add	*38.73*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	289.87	39.85
		For Tempered Low-E Insulated Glass, Add	*42.03*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	303.31	41.24
		For Tempered Low-E Insulated Glass, Add	*44.17*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	325.02	43.10
		For Tempered Low-E Insulated Glass, Add	*47.77*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	348.38	45.41
		For Tempered Low-E Insulated Glass, Add	*51.51*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	384.45	49.12
		For Tempered Low-E Insulated Glass, Add	*57.24*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	405.80	50.97
		For Tempered Low-E Insulated Glass, Add	*60.77*	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	439.83	54.67
		For Tempered Low-E Insulated Glass, Add	*66.28*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	463.20	56.53
		For Tempered Low-E Insulated Glass, Add	*70.03*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	497.24	59.77
		For Tempered Low-E Insulated Glass, Add	*75.54*	
08 52 16 00-0704		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	285.64	39.85
		For Tempered Low-E Insulated Glass, Add	*41.37*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	305.88	41.70
		For Tempered Low-E Insulated Glass, Add	*44.68*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	318.24	42.63
		For Tempered Low-E Insulated Glass, Add	*46.60*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	342.12	44.49
		For Tempered Low-E Insulated Glass, Add	*50.63*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	365.49	47.26
		For Tempered Low-E Insulated Glass, Add	*54.38*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	400.46	50.51
		For Tempered Low-E Insulated Glass, Add	*59.89*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	422.90	52.82
		For Tempered Low-E Insulated Glass, Add	*63.64*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	455.84	55.61
		For Tempered Low-E Insulated Glass, Add	*68.93*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	480.31	58.39
		For Tempered Low-E Insulated Glass, Add	*72.89*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	513.24	61.16
		For Tempered Low-E Insulated Glass, Add	*78.18*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0715		**24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	303.67	41.70
		For Tempered Low-E Insulated Glass, Add	*44.24*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	323.92	43.56
		For Tempered Low-E Insulated Glass, Add	*47.55*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	335.04	44.49
		For Tempered Low-E Insulated Glass, Add	*49.21*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	359.05	46.34
		For Tempered Low-E Insulated Glass, Add	*53.28*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	382.42	49.12
		For Tempered Low-E Insulated Glass, Add	*57.02*	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	417.39	52.36
		For Tempered Low-E Insulated Glass, Add	*62.53*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	439.83	54.67
		For Tempered Low-E Insulated Glass, Add	*66.28*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	473.87	57.46
		For Tempered Low-E Insulated Glass, Add	*71.79*	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	497.24	60.24
		For Tempered Low-E Insulated Glass, Add	*75.54*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	531.27	63.02
		For Tempered Low-E Insulated Glass, Add	*81.05*	
08 52 16 00-0726		**28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	306.28	43.56
		For Tempered Low-E Insulated Glass, Add	*44.02*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	333.14	45.41
		For Tempered Low-E Insulated Glass, Add	*48.65*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	348.08	46.34
		For Tempered Low-E Insulated Glass, Add	*51.08*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	362.76	48.19
		For Tempered Low-E Insulated Glass, Add	*53.28*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	412.58	50.97
		For Tempered Low-E Insulated Glass, Add	*62.31*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	458.57	54.21
		For Tempered Low-E Insulated Glass, Add	*70.03*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	488.72	56.53
		For Tempered Low-E Insulated Glass, Add	*75.32*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	533.78	59.31
		For Tempered Low-E Insulated Glass, Add	*83.03*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	565.97	62.10
		For Tempered Low-E Insulated Glass, Add	*88.54*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	611.03	64.87
		For Tempered Low-E Insulated Glass, Add	*96.26*	
08 52 16 00-0737		**31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	348.08	46.34
		For Tempered Low-E Insulated Glass, Add	*51.08*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	366.76	47.72
		For Tempered Low-E Insulated Glass, Add	*54.26*	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	391.96	49.58
		For Tempered Low-E Insulated Glass, Add	*58.56*	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	420.90	51.90
		For Tempered Low-E Insulated Glass, Add	*63.42*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	462.89	55.61
		For Tempered Low-E Insulated Glass, Add	*70.34*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	490.91	57.46
		For Tempered Low-E Insulated Glass, Add	*75.20*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	531.98	61.16
		For Tempered Low-E Insulated Glass, Add	*82.11*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	559.96	63.02
		For Tempered Low-E Insulated Glass, Add	*86.79*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	601.04	66.26
		For Tempered Low-E Insulated Glass, Add	*93.70*	
08 52 16 00-0747		**35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	391.96	49.58
		For Tempered Low-E Insulated Glass, Add	*58.56*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	428.76	51.44
		For Tempered Low-E Insulated Glass, Add	*65.18*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	459.85	53.75
		For Tempered Low-E Insulated Glass, Add	*70.47*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	506.93	57.46
		For Tempered Low-E Insulated Glass, Add	*78.40*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	537.08	59.31
		For Tempered Low-E Insulated Glass, Add	*83.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	582.15	63.02
		For Tempered Low-E Insulated Glass, Add	*91.41*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	613.24	64.87
		For Tempered Low-E Insulated Glass, Add	*96.70*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	658.29	68.11
		For Tempered Low-E Insulated Glass, Add	*104.41*	
08 52 16 00-0756		Horizontal Sliding Wood Clad Windows *(08 52 16)*		
08 52 16 00-0757		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	323.64	49.12
		For Tempered Clear Insulated Glass, Add	*45.27*	
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	298.49	45.41
		For Tempered Clear Insulated Glass, Add	*41.35*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	347.70	51.90
		For Tempered Clear Insulated Glass, Add	*48.97*	
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	347.70	51.90
		For Tempered Clear Insulated Glass, Add	*48.97*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	396.90	57.46
		For Tempered Clear Insulated Glass, Add	*56.58*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	446.10	62.56
		For Tempered Clear Insulated Glass, Add	*64.20*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	495.31	68.11
		For Tempered Clear Insulated Glass, Add	*71.82*	
08 52 16 00-0768		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	372.84	54.67
		For Tempered Clear Insulated Glass, Add	*52.88*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	420.96	60.24
		For Tempered Clear Insulated Glass, Add	*60.28*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	470.16	65.34
		For Tempered Clear Insulated Glass, Add	*67.90*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	557.45	70.90
		For Tempered Clear Insulated Glass, Add	*83.13*	
08 52 16 00-0773		47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	396.90	57.46
		For Tempered Clear Insulated Glass, Add	*56.58*	
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	446.10	63.02
		For Tempered Clear Insulated Glass, Add	*64.20*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	495.31	68.11
		For Tempered Clear Insulated Glass, Add	*71.82*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	544.52	73.67
		For Tempered Clear Insulated Glass, Add	*79.43*	
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	470.16	65.80
		For Tempered Clear Insulated Glass, Add	*67.90*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	519.37	70.90
		For Tempered Clear Insulated Glass, Add	*75.52*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	568.58	76.46
		For Tempered Clear Insulated Glass, Add	*83.13*	
08 52 16 00-0782		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	495.31	68.58
		For Tempered Clear Insulated Glass, Add	*71.82*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	544.52	73.67
		For Tempered Clear Insulated Glass, Add	*79.43*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	593.80	79.24
		For Tempered Clear Insulated Glass, Add	*87.07*	
08 52 16 00-0786		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	680.31	45.41
		For Tempered Low-E Insulated Glass, Add	*117.71*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	807.86	51.90
		For Tempered Low-E Insulated Glass, Add	*141.00*	
08 52 16 00-0790		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	817.65	51.90
		For Tempered Low-E Insulated Glass, Add	*142.96*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	946.29	57.46
		For Tempered Low-E Insulated Glass, Add	*166.46*	
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,073.84	62.56
		For Tempered Low-E Insulated Glass, Add	*189.75*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,201.38	68.11
		For Tempered Low-E Insulated Glass, Add	*213.03*	
08 52 16 00-0795		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	881.97	54.67
		For Tempered Low-E Insulated Glass, Add	*154.71*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,009.52	60.24
		For Tempered Low-E Insulated Glass, Add	*177.99*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,138.15	65.34
		For Tempered Low-E Insulated Glass, Add	*201.50*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,265.70	70.90
		For Tempered Low-E Insulated Glass, Add	*224.78*	
08 52 16 00-0800		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	946.29	57.46
		For Tempered Low-E Insulated Glass, Add	*166.46*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,073.84	63.02
		For Tempered Low-E Insulated Glass, Add	*189.75*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,201.38	68.11
		For Tempered Low-E Insulated Glass, Add	*213.03*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,330.03	73.67
		For Tempered Low-E Insulated Glass, Add	*236.53*	
08 52 16 00-0805		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,073.84	63.02
		For Tempered Low-E Insulated Glass, Add	*189.75*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,201.38	68.58
		For Tempered Low-E Insulated Glass, Add	*213.03*	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,330.03	73.67
		For Tempered Low-E Insulated Glass, Add	*236.53*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,457.57	79.24
		For Tempered Low-E Insulated Glass, Add	*259.82*	
08 52 16 00-0810		Picture Wood Clad Windows *(08 52 16)*		
08 52 16 00-0811		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0810)*		
08 52 16 00-0812		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0811)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	253.69	37.07
		For Tempered Clear Insulated Glass, Add	*35.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	295.12	40.77
		For Tempered Clear Insulated Glass, Add	*42.71*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	313.06	42.63
		For Tempered Clear Insulated Glass, Add	*45.56*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	339.33	46.34
		For Tempered Clear Insulated Glass, Add	*49.52*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	357.40	48.19
		For Tempered Clear Insulated Glass, Add	*52.20*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	383.67	51.90
		For Tempered Clear Insulated Glass, Add	*56.16*	

08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	284.53	45.41
		For Tempered Clear Insulated Glass, Add	*38.74*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	325.77	48.19
		For Tempered Clear Insulated Glass, Add	*46.06*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	386.74	51.44
		For Tempered Clear Insulated Glass, Add	*56.77*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	426.15	53.29
		For Tempered Clear Insulated Glass, Add	*63.92*	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	485.30	56.53
		For Tempered Clear Insulated Glass, Add	*74.45*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	526.54	58.85
		For Tempered Clear Insulated Glass, Add	*81.77*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	764.23	62.10
		For Tempered Clear Insulated Glass, Add	*128.01*	

08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	325.77	48.19
		For Tempered Clear Insulated Glass, Add	*46.06*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	366.99	50.05
		For Tempered Clear Insulated Glass, Add	*53.38*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	427.98	53.75
		For Tempered Clear Insulated Glass, Add	*64.09*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	467.39	55.61
		For Tempered Clear Insulated Glass, Add	*71.24*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	526.54	59.31
		For Tempered Clear Insulated Glass, Add	*81.77*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	567.77	61.16
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	626.93	64.87
		For Tempered Clear Insulated Glass, Add	*99.62*	

08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	386.74	51.90
		For Tempered Clear Insulated Glass, Add	*56.77*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	427.98	53.75
		For Tempered Clear Insulated Glass, Add	*64.09*	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	488.95	57.46
		For Tempered Clear Insulated Glass, Add	*74.81*	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	528.36	59.31
		For Tempered Clear Insulated Glass, Add	*81.95*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	587.51	63.02
		For Tempered Clear Insulated Glass, Add	*92.48*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	628.75	64.87
		For Tempered Clear Insulated Glass, Add	*99.80*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	687.90	68.58
		For Tempered Clear Insulated Glass, Add	*110.33*	

08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	426.15	53.75
		For Tempered Clear Insulated Glass, Add	*63.92*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	467.39	55.61
		For Tempered Clear Insulated Glass, Add	*71.24*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	528.36	59.31
		For Tempered Clear Insulated Glass, Add	*81.95*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	567.77	61.16
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	626.93	64.87
		For Tempered Clear Insulated Glass, Add	*99.62*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	668.17	66.72
		For Tempered Clear Insulated Glass, Add	*106.94*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	779.99	70.43
		For Tempered Clear Insulated Glass, Add	*128.01*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	485.30	56.53
		For Tempered Clear Insulated Glass, Add	*74.45*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	526.54	59.31
		For Tempered Clear Insulated Glass, Add	*81.77*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	587.51	62.56
		For Tempered Clear Insulated Glass, Add	*92.48*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	626.93	64.41
		For Tempered Clear Insulated Glass, Add	*99.62*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	686.09	67.65
		For Tempered Clear Insulated Glass, Add	*110.16*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	727.32	69.97
		For Tempered Clear Insulated Glass, Add	*117.48*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	786.48	73.21
		For Tempered Clear Insulated Glass, Add	*128.01*	

08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	526.54	59.31
		For Tempered Clear Insulated Glass, Add	*81.77*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	567.77	61.16
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	628.75	64.87
		For Tempered Clear Insulated Glass, Add	*99.80*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	668.17	66.72
		For Tempered Clear Insulated Glass, Add	*106.94*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	779.99	70.43
		For Tempered Clear Insulated Glass, Add	*128.01*	

08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	585.69	62.10
		For Tempered Clear Insulated Glass, Add	*92.30*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	626.93	64.87
		For Tempered Clear Insulated Glass, Add	*99.62*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	687.90	68.11
		For Tempered Clear Insulated Glass, Add	*110.33*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	727.32	69.97
		For Tempered Clear Insulated Glass, Add	*117.48*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	786.48	73.21
		For Tempered Clear Insulated Glass, Add	*128.01*	

08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	295.81	37.07
		For Tempered Low-E Insulated Glass, Add	*44.33*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	345.22	40.77
		For Tempered Low-E Insulated Glass, Add	*52.73*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	366.50	42.63
		For Tempered Low-E Insulated Glass, Add	*56.25*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	397.40	46.34
		For Tempered Low-E Insulated Glass, Add	*61.13*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	418.63	48.19
		For Tempered Low-E Insulated Glass, Add	*64.45*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	449.53	51.90
		For Tempered Low-E Insulated Glass, Add	*69.33*	

08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	329.97	45.41
		For Tempered Low-E Insulated Glass, Add	*47.83*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	379.79	48.19
		For Tempered Low-E Insulated Glass, Add	*56.87*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	453.33	51.44
		For Tempered Low-E Insulated Glass, Add	*70.09*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	501.11	53.29
		For Tempered Low-E Insulated Glass, Add	*78.91*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	572.62	56.53
		For Tempered Low-E Insulated Glass, Add	*91.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	622.45	58.85
		For Tempered Low-E Insulated Glass, Add	*100.95*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	914.36	62.10
		For Tempered Low-E Insulated Glass, Add	*158.04*	

08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	379.79	48.19
		For Tempered Low-E Insulated Glass, Add	*56.87*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	429.60	50.05
		For Tempered Low-E Insulated Glass, Add	*65.90*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	503.15	53.75
		For Tempered Low-E Insulated Glass, Add	*79.13*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	550.93	55.61
		For Tempered Low-E Insulated Glass, Add	*87.94*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	622.45	59.31
		For Tempered Low-E Insulated Glass, Add	*100.95*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	672.26	61.16
		For Tempered Low-E Insulated Glass, Add	*109.99*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	743.77	64.87
		For Tempered Low-E Insulated Glass, Add	*122.99*	

08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	453.33	51.90
		For Tempered Low-E Insulated Glass, Add	*70.09*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	503.15	53.75
		For Tempered Low-E Insulated Glass, Add	*79.13*	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	576.69	57.46
		For Tempered Low-E Insulated Glass, Add	*92.35*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	624.47	59.31
		For Tempered Low-E Insulated Glass, Add	*101.17*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	695.98	63.02
		For Tempered Low-E Insulated Glass, Add	*114.17*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	745.80	64.87
		For Tempered Low-E Insulated Glass, Add	*123.21*	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	817.31	68.58
		For Tempered Low-E Insulated Glass, Add	*136.22*	

08 52 16 00-0904 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	501.11	53.75
		For Tempered Low-E Insulated Glass, Add	*78.91*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	550.93	55.61
		For Tempered Low-E Insulated Glass, Add	*87.94*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	624.47	59.31
		For Tempered Low-E Insulated Glass, Add	*101.17*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	672.26	61.16
		For Tempered Low-E Insulated Glass, Add	*109.99*	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	743.77	64.87
		For Tempered Low-E Insulated Glass, Add	*122.99*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	793.60	66.72
		For Tempered Low-E Insulated Glass, Add	*132.03*	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	930.12	70.43
		For Tempered Low-E Insulated Glass, Add	*158.04*	

08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	572.62	56.53
		For Tempered Low-E Insulated Glass, Add	*91.91*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	622.45	59.31
		For Tempered Low-E Insulated Glass, Add	*100.95*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	695.98	62.56
		For Tempered Low-E Insulated Glass, Add	*114.17*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	743.77	64.41
		For Tempered Low-E Insulated Glass, Add	*122.99*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	815.28	67.65
		For Tempered Low-E Insulated Glass, Add	*135.99*	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	865.10	69.97
		For Tempered Low-E Insulated Glass, Add	*145.03*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.61	73.21
		For Tempered Low-E Insulated Glass, Add	*158.04*	

08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	622.45	59.31
		For Tempered Low-E Insulated Glass, Add	*100.95*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	672.26	61.16
		For Tempered Low-E Insulated Glass, Add	*109.99*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	745.80	64.87
		For Tempered Low-E Insulated Glass, Add	*123.21*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	793.60	66.72
		For Tempered Low-E Insulated Glass, Add	*132.03*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	930.12	70.43
		For Tempered Low-E Insulated Glass, Add	*158.04*	

08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	693.95	62.10
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	743.77	64.87
		For Tempered Low-E Insulated Glass, Add	*122.99*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	817.31	68.11
		For Tempered Low-E Insulated Glass, Add	*136.22*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	865.10	69.97
		For Tempered Low-E Insulated Glass, Add	*145.03*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.61	73.21
		For Tempered Low-E Insulated Glass, Add	*158.04*	

08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*

08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	364.86	57.92
		For Tempered Clear Insulated Glass, Add	*49.80*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	

08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	

08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	424.50	66.26
		For Tempered Clear Insulated Glass, Add	*58.40*	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	434.12	67.65
		For Tempered Clear Insulated Glass, Add	*59.76*	

08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	364.86	58.39
		For Tempered Clear Insulated Glass, Add	*49.80*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	424.50	66.26
		For Tempered Clear Insulated Glass, Add	*58.40*	

08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	434.12	67.65
		For Tempered Clear Insulated Glass, Add	*59.76*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	473.56	73.21
		For Tempered Clear Insulated Glass, Add	*65.43*	

08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	473.56	73.21
		For Tempered Clear Insulated Glass, Add	*65.43*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	392.76	43.56
		For Tempered Low-E Insulated Glass, Add	*61.13*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	544.83	55.61
		For Tempered Low-E Insulated Glass, Add	*86.91*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	568.07	57.00
		For Tempered Low-E Insulated Glass, Add	*90.82*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	602.92	59.77
		For Tempered Low-E Insulated Glass, Add	*96.67*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	626.16	62.10
		For Tempered Low-E Insulated Glass, Add	*100.58*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	673.61	65.34
		For Tempered Low-E Insulated Glass, Add	*108.59*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	721.06	69.51
		For Tempered Low-E Insulated Glass, Add	*116.60*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	416.98	45.41
		For Tempered Low-E Insulated Glass, Add	*65.23*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	568.07	57.46
		For Tempered Low-E Insulated Glass, Add	*90.82*	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	592.29	58.85
		For Tempered Low-E Insulated Glass, Add	*94.92*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	626.16	61.63
		For Tempered Low-E Insulated Glass, Add	*100.58*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	650.38	63.95
		For Tempered Low-E Insulated Glass, Add	*104.68*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	697.83	67.19
		For Tempered Low-E Insulated Glass, Add	*112.69*	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	745.28	71.36
		For Tempered Low-E Insulated Glass, Add	*120.70*	
08 52 16 00-0972		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	440.22	47.26
		For Tempered Low-E Insulated Glass, Add	*69.14*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	592.29	59.31
		For Tempered Low-E Insulated Glass, Add	*94.92*	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	615.53	60.70
		For Tempered Low-E Insulated Glass, Add	*98.82*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	650.38	63.48
		For Tempered Low-E Insulated Glass, Add	*104.68*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	673.61	65.80
		For Tempered Low-E Insulated Glass, Add	*108.59*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	721.06	69.05
		For Tempered Low-E Insulated Glass, Add	*116.60*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	769.49	73.21
		For Tempered Low-E Insulated Glass, Add	*124.80*	
08 52 16 00-0980		60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	464.42	49.12
		For Tempered Low-E Insulated Glass, Add	*73.24*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	615.53	61.16
		For Tempered Low-E Insulated Glass, Add	*98.82*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	639.73	62.56
		For Tempered Low-E Insulated Glass, Add	*102.92*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	673.61	65.34
		For Tempered Low-E Insulated Glass, Add	*108.59*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	697.83	67.65
		For Tempered Low-E Insulated Glass, Add	*112.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	745.28	70.90
		For Tempered Low-E Insulated Glass, Add	*120.70*	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	792.73	75.07
		For Tempered Low-E Insulated Glass, Add	*128.70*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	487.67	50.97
		For Tempered Low-E Insulated Glass, Add	*77.14*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	639.73	63.02
		For Tempered Low-E Insulated Glass, Add	*102.92*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	663.95	64.41
		For Tempered Low-E Insulated Glass, Add	*107.03*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	697.83	67.19
		For Tempered Low-E Insulated Glass, Add	*112.69*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	721.06	69.51
		For Tempered Low-E Insulated Glass, Add	*116.60*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	769.49	72.75
		For Tempered Low-E Insulated Glass, Add	*124.80*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	816.95	76.92
		For Tempered Low-E Insulated Glass, Add	*132.81*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	511.88	52.82
		For Tempered Low-E Insulated Glass, Add	*81.25*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	663.95	64.87
		For Tempered Low-E Insulated Glass, Add	*107.03*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	687.18	66.26
		For Tempered Low-E Insulated Glass, Add	*110.93*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	721.06	69.05
		For Tempered Low-E Insulated Glass, Add	*116.60*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	745.28	71.36
		For Tempered Low-E Insulated Glass, Add	*120.70*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	792.73	74.61
		For Tempered Low-E Insulated Glass, Add	*128.70*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	840.18	78.77
		For Tempered Low-E Insulated Glass, Add	*136.71*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	535.12	54.67
		For Tempered Low-E Insulated Glass, Add	*85.15*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	687.18	66.72
		For Tempered Low-E Insulated Glass, Add	*110.93*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	711.40	68.11
		For Tempered Low-E Insulated Glass, Add	*115.03*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	745.28	70.90
		For Tempered Low-E Insulated Glass, Add	*120.70*	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	769.49	73.21
		For Tempered Low-E Insulated Glass, Add	*124.80*	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	816.95	76.46
		For Tempered Low-E Insulated Glass, Add	*132.81*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	864.40	80.62
		For Tempered Low-E Insulated Glass, Add	*140.81*	

08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	559.33	56.53
		For Tempered Low-E Insulated Glass, Add	*89.25*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	711.40	68.58
		For Tempered Low-E Insulated Glass, Add	*115.03*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	734.64	69.97
		For Tempered Low-E Insulated Glass, Add	*118.94*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	769.49	72.75
		For Tempered Low-E Insulated Glass, Add	*124.80*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	792.73	75.07
		For Tempered Low-E Insulated Glass, Add	*128.70*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	840.18	78.31
		For Tempered Low-E Insulated Glass, Add	*136.71*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	887.63	82.48
		For Tempered Low-E Insulated Glass, Add	*144.72*	

08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	364.86	57.92
		For Tempered Clear Insulated Glass, Add	*49.80*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	424.50	66.26
		For Tempered Clear Insulated Glass, Add	*58.40*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	434.12	67.65
		For Tempered Clear Insulated Glass, Add	*59.76*	
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	364.86	58.39
		For Tempered Clear Insulated Glass, Add	*49.80*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	424.50	66.26
		For Tempered Clear Insulated Glass, Add	*58.40*	
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	374.47	59.31
		For Tempered Clear Insulated Glass, Add	*51.17*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	434.12	67.65
		For Tempered Clear Insulated Glass, Add	*59.76*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	473.56	73.21
		For Tempered Clear Insulated Glass, Add	*65.43*	
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	473.56	73.21
		For Tempered Clear Insulated Glass, Add	*65.43*	
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	453.35	70.43
		For Tempered Clear Insulated Glass, Add	*62.50*	
08 52 16 00-1043		Basement Wood Clad Windows *(08 52 16)*		
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1043)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	197.46	37.07
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	206.72	37.07
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	214.87	37.07
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	24.10	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	35.51	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	48.19	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	60.87	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	86.24	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	38.55	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	56.82	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	77.11	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	97.40	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	137.98	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	46.26	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	68.18	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	92.53	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	116.88	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	165.58	
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	55.52	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	81.81	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	111.03	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	140.25	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	198.69	

08 52 19 Wood Windows *(08 52)*

08 52 19 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19)*

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 19 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*

08 52 19 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	271.51	
		For Low-E Insulated Glass, Add	*22.39*	
		For Aluminum Clad Exterior, Add	*23.99*	
08 52 19 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	288.20	
		For Low-E Insulated Glass, Add	*24.00*	
		For Aluminum Clad Exterior, Add	*25.71*	
08 52 19 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	306.05	
		For Low-E Insulated Glass, Add	*25.77*	
		For Aluminum Clad Exterior, Add	*27.61*	
08 52 19 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	315.55	
		For Low-E Insulated Glass, Add	*26.74*	
		For Aluminum Clad Exterior, Add	*28.65*	
08 52 19 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	323.89	
		For Low-E Insulated Glass, Add	*27.54*	
		For Aluminum Clad Exterior, Add	*29.51*	
08 52 19 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	334.55	
		For Low-E Insulated Glass, Add	*28.67*	
		For Aluminum Clad Exterior, Add	*30.72*	
08 52 19 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	339.48	
		For Low-E Insulated Glass, Add	*29.00*	
		For Aluminum Clad Exterior, Add	*31.07*	
08 52 19 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	360.74	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	378.58	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	

08 52 19 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	288.20	
		For Low-E Insulated Glass, Add	*24.00*	
		For Aluminum Clad Exterior, Add	*25.71*	
08 52 19 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	306.05	
		For Low-E Insulated Glass, Add	*25.77*	
		For Aluminum Clad Exterior, Add	*27.61*	
08 52 19 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	321.30	
		For Low-E Insulated Glass, Add	*27.54*	
		For Aluminum Clad Exterior, Add	*29.51*	
08 52 19 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	334.55	
		For Low-E Insulated Glass, Add	*28.67*	
		For Aluminum Clad Exterior, Add	*30.72*	
08 52 19 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	342.89	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.58*	
08 52 19 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	352.39	
		For Low-E Insulated Glass, Add	*30.44*	
		For Aluminum Clad Exterior, Add	*32.62*	
08 52 19 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	360.74	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	378.58	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	
08 52 19 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	396.43	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	

08 52 19 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 19 00-0001)

08 52 19 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	296.41	
		For Low-E Insulated Glass, Add	*24.97*	
		For Aluminum Clad Exterior, Add	*26.75*	
08 52 19 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	314.25	
		For Low-E Insulated Glass, Add	*26.74*	
		For Aluminum Clad Exterior, Add	*28.65*	
08 52 19 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	333.25	
		For Low-E Insulated Glass, Add	*28.67*	
		For Aluminum Clad Exterior, Add	*30.72*	
08 52 19 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	341.59	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.58*	
08 52 19 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	351.09	
		For Low-E Insulated Glass, Add	*30.44*	
		For Aluminum Clad Exterior, Add	*32.62*	
08 52 19 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	359.44	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	368.94	
		For Low-E Insulated Glass, Add	*32.22*	
		For Aluminum Clad Exterior, Add	*34.52*	
08 52 19 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	385.64	
		For Low-E Insulated Glass, Add	*33.83*	
		For Aluminum Clad Exterior, Add	*36.24*	
08 52 19 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	403.48	
		For Low-E Insulated Glass, Add	*35.60*	
		For Aluminum Clad Exterior, Add	*38.14*	

08 52 19 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 19 00-0001)

08 52 19 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	307.35	
		For Low-E Insulated Glass, Add	*25.77*	
		For Aluminum Clad Exterior, Add	*27.61*	
08 52 19 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	325.19	
		For Low-E Insulated Glass, Add	*27.54*	
		For Aluminum Clad Exterior, Add	*29.51*	
08 52 19 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	344.19	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.58*	
08 52 19 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	353.68	
		For Low-E Insulated Glass, Add	*30.44*	
		For Aluminum Clad Exterior, Add	*32.62*	
08 52 19 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	362.04	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	371.53	
		For Low-E Insulated Glass, Add	*32.22*	
		For Aluminum Clad Exterior, Add	*34.52*	
08 52 19 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	379.88	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	
08 52 19 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	397.73	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	415.57	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0042		46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	342.89	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.58*	
08 52 19 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	360.74	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	378.58	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	
08 52 19 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	386.93	
		For Low-E Insulated Glass, Add	*33.83*	
		For Aluminum Clad Exterior, Add	*36.24*	
08 52 19 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	396.43	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	
08 52 19 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	404.77	
		For Low-E Insulated Glass, Add	*35.60*	
		For Aluminum Clad Exterior, Add	*38.14*	
08 52 19 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	414.27	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	432.12	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	451.12	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0052		48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	351.09	
		For Low-E Insulated Glass, Add	*30.44*	
		For Aluminum Clad Exterior, Add	*32.62*	
08 52 19 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	368.94	
		For Low-E Insulated Glass, Add	*32.22*	
		For Aluminum Clad Exterior, Add	*34.52*	
08 52 19 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	385.64	
		For Low-E Insulated Glass, Add	*33.83*	
		For Aluminum Clad Exterior, Add	*36.24*	
08 52 19 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	395.13	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	
08 52 19 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	403.48	
		For Low-E Insulated Glass, Add	*35.60*	
		For Aluminum Clad Exterior, Add	*38.14*	
08 52 19 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	412.97	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	421.33	
		For Low-E Insulated Glass, Add	*37.37*	
		For Aluminum Clad Exterior, Add	*40.04*	
08 52 19 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	440.32	
		For Low-E Insulated Glass, Add	*39.30*	
		For Aluminum Clad Exterior, Add	*42.11*	
08 52 19 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	458.17	
		For Low-E Insulated Glass, Add	*41.07*	
		For Aluminum Clad Exterior, Add	*44.01*	
08 52 19 00-0062		50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	362.04	
		For Low-E Insulated Glass, Add	*31.25*	
		For Aluminum Clad Exterior, Add	*33.48*	
08 52 19 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	379.88	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	
08 52 19 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	397.73	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	
08 52 19 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	406.07	
		For Low-E Insulated Glass, Add	*35.60*	
		For Aluminum Clad Exterior, Add	*38.14*	
08 52 19 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	415.57	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	423.92	
		For Low-E Insulated Glass, Add	*37.37*	
		For Aluminum Clad Exterior, Add	*40.04*	
08 52 19 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	433.42	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	452.42	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	470.26	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	

08 52 19 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	379.88	
		For Low-E Insulated Glass, Add	*33.02*	
		For Aluminum Clad Exterior, Add	*35.38*	
08 52 19 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	397.73	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	
08 52 19 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	415.57	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	423.92	
		For Low-E Insulated Glass, Add	*37.37*	
		For Aluminum Clad Exterior, Add	*40.04*	
08 52 19 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	433.42	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	442.91	
		For Low-E Insulated Glass, Add	*39.30*	
		For Aluminum Clad Exterior, Add	*42.11*	
08 52 19 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	452.42	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	470.26	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	488.11	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	

08 52 19 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	396.43	
		For Low-E Insulated Glass, Add	*34.79*	
		For Aluminum Clad Exterior, Add	*37.28*	
08 52 19 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	414.27	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	432.12	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	441.61	
		For Low-E Insulated Glass, Add	*39.30*	
		For Aluminum Clad Exterior, Add	*42.11*	
08 52 19 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	451.12	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	459.46	
		For Low-E Insulated Glass, Add	*41.07*	
		For Aluminum Clad Exterior, Add	*44.01*	
08 52 19 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	468.96	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	486.81	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	503.50	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	

08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	403.48	
		For Low-E Insulated Glass, Add	*35.60*	
		For Aluminum Clad Exterior, Add	*38.14*	
08 52 19 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	421.33	
		For Low-E Insulated Glass, Add	*37.37*	
		For Aluminum Clad Exterior, Add	*40.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	440.32	
		For Low-E Insulated Glass, Add	*39.30*	
		For Aluminum Clad Exterior, Add	*42.11*	
08 52 19 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	449.82	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	458.17	
		For Low-E Insulated Glass, Add	*41.07*	
		For Aluminum Clad Exterior, Add	*44.01*	
08 52 19 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	467.66	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	476.02	
		For Low-E Insulated Glass, Add	*42.85*	
		For Aluminum Clad Exterior, Add	*45.91*	
08 52 19 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	493.86	
		For Low-E Insulated Glass, Add	*44.62*	
		For Aluminum Clad Exterior, Add	*47.81*	
08 52 19 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	511.71	
		For Low-E Insulated Glass, Add	*46.39*	
		For Aluminum Clad Exterior, Add	*49.70*	

08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 19 00-0001)

08 52 19 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	415.57	
		For Low-E Insulated Glass, Add	*36.56*	
		For Aluminum Clad Exterior, Add	*39.18*	
08 52 19 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	433.42	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	452.42	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	460.76	
		For Low-E Insulated Glass, Add	*41.07*	
		For Aluminum Clad Exterior, Add	*44.01*	
08 52 19 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	470.26	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	478.61	
		For Low-E Insulated Glass, Add	*42.85*	
		For Aluminum Clad Exterior, Add	*45.91*	
08 52 19 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	488.11	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	504.80	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	
08 52 19 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	522.65	
		For Low-E Insulated Glass, Add	*47.20*	
		For Aluminum Clad Exterior, Add	*50.57*	

08 52 19 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 19 00-0001)

08 52 19 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	433.42	
		For Low-E Insulated Glass, Add	*38.34*	
		For Aluminum Clad Exterior, Add	*41.07*	
08 52 19 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	452.42	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	470.26	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	478.61	
		For Low-E Insulated Glass, Add	*42.85*	
		For Aluminum Clad Exterior, Add	*45.91*	
08 52 19 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	488.11	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	496.45	
		For Low-E Insulated Glass, Add	*44.62*	
		For Aluminum Clad Exterior, Add	*47.81*	
08 52 19 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	504.80	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	
08 52 19 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	522.65	
		For Low-E Insulated Glass, Add	*47.20*	
		For Aluminum Clad Exterior, Add	*50.57*	
08 52 19 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	540.50	
		For Low-E Insulated Glass, Add	*48.97*	
		For Aluminum Clad Exterior, Add	*52.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0122		**70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 19 00-0001)*		
08 52 19 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	451.12	
		For Low-E Insulated Glass, Add	*40.27*	
		For Aluminum Clad Exterior, Add	*43.15*	
08 52 19 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	468.96	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	486.81	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	495.15	
		For Low-E Insulated Glass, Add	*44.62*	
		For Aluminum Clad Exterior, Add	*47.81*	
08 52 19 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	503.50	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	
08 52 19 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	516.41	
		For Low-E Insulated Glass, Add	*46.87*	
		For Aluminum Clad Exterior, Add	*50.22*	
08 52 19 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	522.55	
		For Low-E Insulated Glass, Add	*47.36*	
		For Aluminum Clad Exterior, Add	*50.75*	
08 52 19 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	539.20	
		For Low-E Insulated Glass, Add	*48.97*	
		For Aluminum Clad Exterior, Add	*52.47*	
08 52 19 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	558.19	
		For Low-E Insulated Glass, Add	*50.90*	
		For Aluminum Clad Exterior, Add	*54.54*	
08 52 19 00-0132		**74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 19 00-0001)*		
08 52 19 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	470.26	
		For Low-E Insulated Glass, Add	*42.04*	
		For Aluminum Clad Exterior, Add	*45.04*	
08 52 19 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	488.11	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	504.80	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	
08 52 19 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	514.30	
		For Low-E Insulated Glass, Add	*46.39*	
		For Aluminum Clad Exterior, Add	*49.70*	
08 52 19 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	522.65	
		For Low-E Insulated Glass, Add	*47.20*	
		For Aluminum Clad Exterior, Add	*50.57*	
08 52 19 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	532.14	
		For Low-E Insulated Glass, Add	*48.16*	
		For Aluminum Clad Exterior, Add	*51.60*	
08 52 19 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	540.50	
		For Low-E Insulated Glass, Add	*48.97*	
		For Aluminum Clad Exterior, Add	*52.47*	
08 52 19 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	559.49	
		For Low-E Insulated Glass, Add	*50.90*	
		For Aluminum Clad Exterior, Add	*54.54*	
08 52 19 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	577.34	
		For Low-E Insulated Glass, Add	*52.67*	
		For Aluminum Clad Exterior, Add	*56.43*	
08 52 19 00-0142		**78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 19 00-0001)*		
08 52 19 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	493.30	
		For Low-E Insulated Glass, Add	*43.81*	
		For Aluminum Clad Exterior, Add	*46.94*	
08 52 19 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	509.99	
		For Low-E Insulated Glass, Add	*45.42*	
		For Aluminum Clad Exterior, Add	*48.67*	
08 52 19 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	527.84	
		For Low-E Insulated Glass, Add	*47.20*	
		For Aluminum Clad Exterior, Add	*50.57*	
08 52 19 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	537.33	
		For Low-E Insulated Glass, Add	*48.16*	
		For Aluminum Clad Exterior, Add	*51.60*	
08 52 19 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	545.69	
		For Low-E Insulated Glass, Add	*48.97*	
		For Aluminum Clad Exterior, Add	*52.47*	
08 52 19 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	555.18	
		For Low-E Insulated Glass, Add	*49.93*	
		For Aluminum Clad Exterior, Add	*53.50*	
08 52 19 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	564.68	
		For Low-E Insulated Glass, Add	*50.90*	
		For Aluminum Clad Exterior, Add	*54.54*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	582.52	
		For Low-E Insulated Glass, Add	*52.67*	
		For Aluminum Clad Exterior, Add	*56.43*	
08 52 19 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	600.37	
		For Low-E Insulated Glass, Add	*54.44*	
		For Aluminum Clad Exterior, Add	*58.33*	

08 52 19 00-0152 Commercial And Institutional Heavy Double Hung Windows *(08 52 19)*

Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 19 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	76.10	11.59
		For Insulating Glass, Add	*4.50*	
08 52 19 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	73.15	12.88
		For Insulating Glass, Add	*4.03*	
08 52 19 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	70.67	14.45
		For Insulating Glass, Add	*3.55*	

08 52 19 00-0156 Architectural And Historic Reproduction Wood Windows *(08 52 19)*

Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 19 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	81.68	11.58
		For Insulating Glass, Add	*4.97*	
08 52 19 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	76.15	12.88
		For Insulating Glass, Add	*4.28*	
08 52 19 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	72.43	14.45
		For Insulating Glass, Add	*3.70*	

08 52 19 00-0160 Removal And Reinstallation Of Wood Window And Frame *(08 52 19)*

Note: Includes storage, cleaning and supply materials.

08 52 19 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	28.58	

08 52 66 Wood Window Screens *(08 52)*

08 52 66 00-0001 Insect Screens For Wood Clad Windows *(08 52 66)*

08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	36.65	6.79
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	43.24	6.79
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	46.54	6.79
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	53.13	6.79
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	66.31	6.79
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	72.90	6.79
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	79.50	6.79
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	86.09	6.79
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	2.60	0.14

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	185.45	42.63
		For Colored Vinyl, Add	*10.02*	
		For Tinted Glass, Add	*12.02*	
		For Low-E Insulated Glass, Add	*25.05*	
		For Obscure Glass, Add	*27.55*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.75	44.49
		For Colored Vinyl, Add	*10.58*	
		For Tinted Glass, Add	*12.69*	
		For Low-E Insulated Glass, Add	*26.45*	
		For Obscure Glass, Add	*29.09*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.75	45.41
		For Colored Vinyl, Add	*10.79*	
		For Tinted Glass, Add	*12.95*	
		For Low-E Insulated Glass, Add	*26.98*	
		For Obscure Glass, Add	*29.68*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.04	46.34
		For Colored Vinyl, Add	*11.04*	
		For Tinted Glass, Add	*13.24*	
		For Low-E Insulated Glass, Add	*27.59*	
		For Obscure Glass, Add	*30.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.58	48.19
		For Colored Vinyl, Add	*11.72*	
		For Tinted Glass, Add	*14.06*	
		For Low-E Insulated Glass, Add	*29.30*	
		For Obscure Glass, Add	*32.23*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	231.32	51.90
		For Colored Vinyl, Add	*12.75*	
		For Tinted Glass, Add	*15.30*	
		For Low-E Insulated Glass, Add	*31.88*	
		For Obscure Glass, Add	*35.07*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	189.27	43.56
		For Colored Vinyl, Add	*10.22*	
		For Tinted Glass, Add	*12.26*	
		For Low-E Insulated Glass, Add	*25.54*	
		For Obscure Glass, Add	*28.09*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.56	44.49
		For Colored Vinyl, Add	*10.77*	
		For Tinted Glass, Add	*12.93*	
		For Low-E Insulated Glass, Add	*26.94*	
		For Obscure Glass, Add	*29.63*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.57	46.34
		For Colored Vinyl, Add	*10.99*	
		For Tinted Glass, Add	*13.19*	
		For Low-E Insulated Glass, Add	*27.48*	
		For Obscure Glass, Add	*30.22*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.87	47.26
		For Colored Vinyl, Add	*11.23*	
		For Tinted Glass, Add	*13.48*	
		For Low-E Insulated Glass, Add	*28.09*	
		For Obscure Glass, Add	*30.89*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.39	49.12
		For Colored Vinyl, Add	*11.92*	
		For Tinted Glass, Add	*14.30*	
		For Low-E Insulated Glass, Add	*29.79*	
		For Obscure Glass, Add	*32.77*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.13	52.82
		For Colored Vinyl, Add	*12.95*	
		For Tinted Glass, Add	*15.54*	
		For Low-E Insulated Glass, Add	*32.37*	
		For Obscure Glass, Add	*35.61*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	193.00	44.49
		For Colored Vinyl, Add	*10.40*	
		For Tinted Glass, Add	*12.48*	
		For Low-E Insulated Glass, Add	*26.01*	
		For Obscure Glass, Add	*28.61*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.28	46.34
		For Colored Vinyl, Add	*10.96*	
		For Tinted Glass, Add	*13.15*	
		For Low-E Insulated Glass, Add	*27.40*	
		For Obscure Glass, Add	*30.14*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.43	47.26
		For Colored Vinyl, Add	*11.19*	
		For Tinted Glass, Add	*13.43*	
		For Low-E Insulated Glass, Add	*27.98*	
		For Obscure Glass, Add	*30.77*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	210.71	48.19
		For Colored Vinyl, Add	*11.43*	
		For Tinted Glass, Add	*13.72*	
		For Low-E Insulated Glass, Add	*28.58*	
		For Obscure Glass, Add	*31.44*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.38	50.05
		For Colored Vinyl, Add	*12.13*	
		For Tinted Glass, Add	*14.56*	
		For Low-E Insulated Glass, Add	*30.33*	
		For Obscure Glass, Add	*33.36*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.32	53.75
		For Colored Vinyl, Add	*13.18*	
		For Tinted Glass, Add	*15.82*	
		For Low-E Insulated Glass, Add	*32.95*	
		For Obscure Glass, Add	*36.25*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	204.35	47.26
		For Colored Vinyl, Add	*10.98*	
		For Tinted Glass, Add	*13.18*	
		For Low-E Insulated Glass, Add	*27.46*	
		For Obscure Glass, Add	*30.20*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.63	49.12
		For Colored Vinyl, Add	*11.54*	
		For Tinted Glass, Add	*13.85*	
		For Low-E Insulated Glass, Add	*28.85*	
		For Obscure Glass, Add	*31.74*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	218.17	50.05
		For Colored Vinyl, Add	*11.81*	
		For Tinted Glass, Add	*14.17*	
		For Low-E Insulated Glass, Add	*29.52*	
		For Obscure Glass, Add	*32.47*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.48	50.97
		For Colored Vinyl, Add	*12.05*	
		For Tinted Glass, Add	*14.46*	
		For Low-E Insulated Glass, Add	*30.13*	
		For Obscure Glass, Add	*33.15*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.56	52.82
		For Colored Vinyl, Add	*12.79*	
		For Tinted Glass, Add	*15.35*	
		For Low-E Insulated Glass, Add	*31.98*	
		For Obscure Glass, Add	*35.18*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	252.00	56.53
		For Colored Vinyl, Add	*13.89*	
		For Tinted Glass, Add	*16.67*	
		For Low-E Insulated Glass, Add	*34.74*	
		For Obscure Glass, Add	*38.21*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.17	48.19
		For Colored Vinyl, Add	*11.18*	
		For Tinted Glass, Add	*13.41*	
		For Low-E Insulated Glass, Add	*27.95*	
		For Obscure Glass, Add	*30.74*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.45	50.05
		For Colored Vinyl, Add	*11.74*	
		For Tinted Glass, Add	*14.08*	
		For Low-E Insulated Glass, Add	*29.34*	
		For Obscure Glass, Add	*32.28*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.14	50.97
		For Colored Vinyl, Add	*12.02*	
		For Tinted Glass, Add	*14.42*	
		For Low-E Insulated Glass, Add	*30.05*	
		For Obscure Glass, Add	*33.05*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.42	51.90
		For Colored Vinyl, Add	*12.26*	
		For Tinted Glass, Add	*14.71*	
		For Low-E Insulated Glass, Add	*30.66*	
		For Obscure Glass, Add	*33.72*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.64	53.75
		For Colored Vinyl, Add	*13.01*	
		For Tinted Glass, Add	*15.62*	
		For Low-E Insulated Glass, Add	*32.53*	
		For Obscure Glass, Add	*35.79*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.26	57.46
		For Colored Vinyl, Add	*14.13*	
		For Tinted Glass, Add	*16.96*	
		For Low-E Insulated Glass, Add	*35.34*	
		For Obscure Glass, Add	*38.87*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.01	49.12
		For Colored Vinyl, Add	*11.38*	
		For Tinted Glass, Add	*13.65*	
		For Low-E Insulated Glass, Add	*28.45*	
		For Obscure Glass, Add	*31.29*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.32	50.97
		For Colored Vinyl, Add	*11.94*	
		For Tinted Glass, Add	*14.32*	
		For Low-E Insulated Glass, Add	*29.84*	
		For Obscure Glass, Add	*32.83*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.11	51.90
		For Colored Vinyl, Add	*12.23*	
		For Tinted Glass, Add	*14.68*	
		For Low-E Insulated Glass, Add	*30.58*	
		For Obscure Glass, Add	*33.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.40	52.82
		For Colored Vinyl, Add	*12.48*	
		For Tinted Glass, Add	*14.97*	
		For Low-E Insulated Glass, Add	*31.19*	
		For Obscure Glass, Add	*34.31*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.75	54.67
		For Colored Vinyl, Add	*13.24*	
		For Tinted Glass, Add	*15.89*	
		For Low-E Insulated Glass, Add	*33.10*	
		For Obscure Glass, Add	*36.41*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	260.55	58.39
		For Colored Vinyl, Add	*14.38*	
		For Tinted Glass, Add	*17.25*	
		For Low-E Insulated Glass, Add	*35.95*	
		For Obscure Glass, Add	*39.54*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.74	50.05
		For Colored Vinyl, Add	*11.57*	
		For Tinted Glass, Add	*13.88*	
		For Low-E Insulated Glass, Add	*28.92*	
		For Obscure Glass, Add	*31.81*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.04	51.90
		For Colored Vinyl, Add	*12.12*	
		For Tinted Glass, Add	*14.55*	
		For Low-E Insulated Glass, Add	*30.31*	
		For Obscure Glass, Add	*33.34*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.97	52.82
		For Colored Vinyl, Add	*12.43*	
		For Tinted Glass, Add	*14.92*	
		For Low-E Insulated Glass, Add	*31.08*	
		For Obscure Glass, Add	*34.19*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.27	53.75
		For Colored Vinyl, Add	*12.68*	
		For Tinted Glass, Add	*15.21*	
		For Low-E Insulated Glass, Add	*31.69*	
		For Obscure Glass, Add	*34.86*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	245.74	55.61
		For Colored Vinyl, Add	*13.45*	
		For Tinted Glass, Add	*16.14*	
		For Low-E Insulated Glass, Add	*33.63*	
		For Obscure Glass, Add	*37.00*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	264.71	59.31
		For Colored Vinyl, Add	*14.61*	
		For Tinted Glass, Add	*17.53*	
		For Low-E Insulated Glass, Add	*36.52*	
		For Obscure Glass, Add	*40.17*	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.49	50.97
		For Colored Vinyl, Add	*11.75*	
		For Tinted Glass, Add	*14.10*	
		For Low-E Insulated Glass, Add	*29.39*	
		For Obscure Glass, Add	*32.32*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	228.78	52.82
		For Colored Vinyl, Add	*12.31*	
		For Tinted Glass, Add	*14.78*	
		For Low-E Insulated Glass, Add	*30.78*	
		For Obscure Glass, Add	*33.86*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.86	53.75
		For Colored Vinyl, Add	*12.64*	
		For Tinted Glass, Add	*15.16*	
		For Low-E Insulated Glass, Add	*31.59*	
		For Obscure Glass, Add	*34.75*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.15	54.67
		For Colored Vinyl, Add	*12.88*	
		For Tinted Glass, Add	*15.45*	
		For Low-E Insulated Glass, Add	*32.20*	
		For Obscure Glass, Add	*35.42*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.76	56.53
		For Colored Vinyl, Add	*13.67*	
		For Tinted Glass, Add	*16.40*	
		For Low-E Insulated Glass, Add	*34.18*	
		For Obscure Glass, Add	*37.59*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	268.92	60.24
		For Colored Vinyl, Add	*14.84*	
		For Tinted Glass, Add	*17.81*	
		For Low-E Insulated Glass, Add	*37.11*	
		For Obscure Glass, Add	*40.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	223.23	51.90
		For Colored Vinyl, Add	*11.94*	
		For Tinted Glass, Add	*14.33*	
		For Low-E Insulated Glass, Add	*29.86*	
		For Obscure Glass, Add	*32.84*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.53	53.75
		For Colored Vinyl, Add	*12.50*	
		For Tinted Glass, Add	*15.00*	
		For Low-E Insulated Glass, Add	*31.26*	
		For Obscure Glass, Add	*34.38*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.73	54.67
		For Colored Vinyl, Add	*12.84*	
		For Tinted Glass, Add	*15.40*	
		For Low-E Insulated Glass, Add	*32.09*	
		For Obscure Glass, Add	*35.30*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	242.01	55.61
		For Colored Vinyl, Add	*13.08*	
		For Tinted Glass, Add	*15.70*	
		For Low-E Insulated Glass, Add	*32.70*	
		For Obscure Glass, Add	*35.97*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.76	57.46
		For Colored Vinyl, Add	*13.88*	
		For Tinted Glass, Add	*16.66*	
		For Low-E Insulated Glass, Add	*34.71*	
		For Obscure Glass, Add	*38.18*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	273.08	61.16
		For Colored Vinyl, Add	*15.08*	
		For Tinted Glass, Add	*18.09*	
		For Low-E Insulated Glass, Add	*37.69*	
		For Obscure Glass, Add	*41.46*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.69	54.67
		For Colored Vinyl, Add	*12.53*	
		For Tinted Glass, Add	*15.04*	
		For Low-E Insulated Glass, Add	*31.33*	
		For Obscure Glass, Add	*34.47*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.97	56.53
		For Colored Vinyl, Add	*13.09*	
		For Tinted Glass, Add	*15.71*	
		For Low-E Insulated Glass, Add	*32.73*	
		For Obscure Glass, Add	*36.00*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.56	57.46
		For Colored Vinyl, Add	*13.46*	
		For Tinted Glass, Add	*16.16*	
		For Low-E Insulated Glass, Add	*33.66*	
		For Obscure Glass, Add	*37.03*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.85	58.39
		For Colored Vinyl, Add	*13.71*	
		For Tinted Glass, Add	*16.45*	
		For Low-E Insulated Glass, Add	*34.27*	
		For Obscure Glass, Add	*37.70*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	266.01	60.24
		For Colored Vinyl, Add	*14.55*	
		For Tinted Glass, Add	*17.46*	
		For Low-E Insulated Glass, Add	*36.38*	
		For Obscure Glass, Add	*40.02*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	285.86	63.95
		For Colored Vinyl, Add	*15.80*	
		For Tinted Glass, Add	*18.96*	
		For Low-E Insulated Glass, Add	*39.49*	
		For Obscure Glass, Add	*43.44*	
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.43	55.61
		For Colored Vinyl, Add	*12.72*	
		For Tinted Glass, Add	*15.27*	
		For Low-E Insulated Glass, Add	*31.81*	
		For Obscure Glass, Add	*34.99*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	247.72	57.46
		For Colored Vinyl, Add	*13.28*	
		For Tinted Glass, Add	*15.94*	
		For Low-E Insulated Glass, Add	*33.20*	
		For Obscure Glass, Add	*36.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.46	58.39
		For Colored Vinyl, Add	*13.67*	
		For Tinted Glass, Add	*16.40*	
		For Low-E Insulated Glass, Add	*34.17*	
		For Obscure Glass, Add	*37.59*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	257.75	59.31
		For Colored Vinyl, Add	*13.91*	
		For Tinted Glass, Add	*16.70*	
		For Low-E Insulated Glass, Add	*34.78*	
		For Obscure Glass, Add	*38.26*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	270.03	61.16
		For Colored Vinyl, Add	*14.77*	
		For Tinted Glass, Add	*17.72*	
		For Low-E Insulated Glass, Add	*36.93*	
		For Obscure Glass, Add	*40.62*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	290.08	64.87
		For Colored Vinyl, Add	*16.03*	
		For Tinted Glass, Add	*19.24*	
		For Low-E Insulated Glass, Add	*40.08*	
		For Obscure Glass, Add	*44.09*	
08 53 13 00-0080		**66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.01	57.46
		For Colored Vinyl, Add	*13.11*	
		For Tinted Glass, Add	*15.73*	
		For Low-E Insulated Glass, Add	*32.77*	
		For Obscure Glass, Add	*36.05*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	255.29	59.31
		For Colored Vinyl, Add	*13.67*	
		For Tinted Glass, Add	*16.40*	
		For Low-E Insulated Glass, Add	*34.17*	
		For Obscure Glass, Add	*37.58*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	261.29	60.24
		For Colored Vinyl, Add	*14.08*	
		For Tinted Glass, Add	*16.90*	
		For Low-E Insulated Glass, Add	*35.20*	
		For Obscure Glass, Add	*38.72*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	265.58	61.16
		For Colored Vinyl, Add	*14.33*	
		For Tinted Glass, Add	*17.19*	
		For Low-E Insulated Glass, Add	*35.81*	
		For Obscure Glass, Add	*39.39*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	278.13	63.02
		For Colored Vinyl, Add	*15.21*	
		For Tinted Glass, Add	*18.25*	
		For Low-E Insulated Glass, Add	*38.03*	
		For Obscure Glass, Add	*41.83*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	298.53	66.72
		For Colored Vinyl, Add	*16.51*	
		For Tinted Glass, Add	*19.81*	
		For Low-E Insulated Glass, Add	*41.27*	
		For Obscure Glass, Add	*45.39*	
08 53 13 00-0087		**72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	257.47	60.24
		For Colored Vinyl, Add	*13.70*	
		For Tinted Glass, Add	*16.44*	
		For Low-E Insulated Glass, Add	*34.25*	
		For Obscure Glass, Add	*37.67*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	266.75	62.10
		For Colored Vinyl, Add	*14.26*	
		For Tinted Glass, Add	*17.11*	
		For Low-E Insulated Glass, Add	*35.64*	
		For Obscure Glass, Add	*39.21*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	272.74	63.02
		For Colored Vinyl, Add	*14.67*	
		For Tinted Glass, Add	*17.61*	
		For Low-E Insulated Glass, Add	*36.68*	
		For Obscure Glass, Add	*40.35*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	277.04	63.95
		For Colored Vinyl, Add	*14.92*	
		For Tinted Glass, Add	*17.90*	
		For Low-E Insulated Glass, Add	*37.29*	
		For Obscure Glass, Add	*41.02*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	289.60	65.80
		For Colored Vinyl, Add	*15.80*	
		For Tinted Glass, Add	*18.96*	
		For Low-E Insulated Glass, Add	*39.50*	
		For Obscure Glass, Add	*43.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	309.98	69.51
		For Colored Vinyl, Add	*17.10*	
		For Tinted Glass, Add	*20.52*	
		For Low-E Insulated Glass, Add	*42.74*	
		For Obscure Glass, Add	*47.02*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	258.08	48.66
		For Colored Vinyl, Add	*16.08*	
		For Tinted Glass, Add	*19.29*	
		For Low-E Insulated Glass, Add	*40.19*	
		For Obscure Glass, Add	*44.21*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	282.84	53.29
		For Colored Vinyl, Add	*17.63*	
		For Tinted Glass, Add	*21.15*	
		For Low-E Insulated Glass, Add	*44.07*	
		For Obscure Glass, Add	*48.47*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	306.04	57.92
		For Colored Vinyl, Add	*19.02*	
		For Tinted Glass, Add	*22.82*	
		For Low-E Insulated Glass, Add	*47.55*	
		For Obscure Glass, Add	*52.30*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	323.72	62.56
		For Colored Vinyl, Add	*19.86*	
		For Tinted Glass, Add	*23.83*	
		For Low-E Insulated Glass, Add	*49.65*	
		For Obscure Glass, Add	*54.62*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	342.03	67.19
		For Colored Vinyl, Add	*20.77*	
		For Tinted Glass, Add	*24.92*	
		For Low-E Insulated Glass, Add	*51.91*	
		For Obscure Glass, Add	*57.10*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	370.18	71.82
		For Colored Vinyl, Add	*22.65*	
		For Tinted Glass, Add	*27.18*	
		For Low-E Insulated Glass, Add	*56.63*	
		For Obscure Glass, Add	*62.30*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	3.10	0.60
		For Colored Vinyl, Add	*0.19*	
		For Tinted Glass, Add	*0.23*	
		For Low-E Insulated Glass, Add	*0.47*	
		For Obscure Glass, Add	*0.52*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	245.97	42.63
		For Colored Vinyl, Add	*16.07*	
		For Tinted Glass, Add	*19.29*	
		For Low-E Insulated Glass, Add	*40.18*	
		For Obscure Glass, Add	*44.20*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	255.26	44.49
		For Colored Vinyl, Add	*16.63*	
		For Tinted Glass, Add	*19.95*	
		For Low-E Insulated Glass, Add	*41.57*	
		For Obscure Glass, Add	*45.73*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	259.79	45.41
		For Colored Vinyl, Add	*16.90*	
		For Tinted Glass, Add	*20.28*	
		For Low-E Insulated Glass, Add	*42.24*	
		For Obscure Glass, Add	*46.47*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	264.08	46.34
		For Colored Vinyl, Add	*17.14*	
		For Tinted Glass, Add	*20.57*	
		For Low-E Insulated Glass, Add	*42.85*	
		For Obscure Glass, Add	*47.14*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	274.09	48.19
		For Colored Vinyl, Add	*17.77*	
		For Tinted Glass, Add	*21.33*	
		For Low-E Insulated Glass, Add	*44.43*	
		For Obscure Glass, Add	*48.87*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	291.16	51.90
		For Colored Vinyl, Add	*18.74*	
		For Tinted Glass, Add	*22.48*	
		For Low-E Insulated Glass, Add	*46.84*	
		For Obscure Glass, Add	*51.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0111		**36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	249.79	43.56
		For Colored Vinyl, Add	*16.27*	
		For Tinted Glass, Add	*19.52*	
		For Low-E Insulated Glass, Add	*40.67*	
		For Obscure Glass, Add	*44.74*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	259.08	45.41
		For Colored Vinyl, Add	*16.83*	
		For Tinted Glass, Add	*20.19*	
		For Low-E Insulated Glass, Add	*42.07*	
		For Obscure Glass, Add	*46.27*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	263.60	46.34
		For Colored Vinyl, Add	*17.09*	
		For Tinted Glass, Add	*20.51*	
		For Low-E Insulated Glass, Add	*42.73*	
		For Obscure Glass, Add	*47.01*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	267.90	47.26
		For Colored Vinyl, Add	*17.34*	
		For Tinted Glass, Add	*20.80*	
		For Low-E Insulated Glass, Add	*43.34*	
		For Obscure Glass, Add	*47.68*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	277.91	49.12
		For Colored Vinyl, Add	*17.97*	
		For Tinted Glass, Add	*21.56*	
		For Low-E Insulated Glass, Add	*44.92*	
		For Obscure Glass, Add	*49.41*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	294.97	52.82
		For Colored Vinyl, Add	*18.93*	
		For Tinted Glass, Add	*22.72*	
		For Low-E Insulated Glass, Add	*47.33*	
		For Obscure Glass, Add	*52.06*	
08 53 13 00-0118		**38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	253.33	44.49
		For Colored Vinyl, Add	*16.44*	
		For Tinted Glass, Add	*19.72*	
		For Low-E Insulated Glass, Add	*41.09*	
		For Obscure Glass, Add	*45.20*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	262.61	46.34
		For Colored Vinyl, Add	*16.99*	
		For Tinted Glass, Add	*20.39*	
		For Low-E Insulated Glass, Add	*42.49*	
		For Obscure Glass, Add	*46.73*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	267.26	47.26
		For Colored Vinyl, Add	*17.27*	
		For Tinted Glass, Add	*20.73*	
		For Low-E Insulated Glass, Add	*43.18*	
		For Obscure Glass, Add	*47.50*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	271.55	48.19
		For Colored Vinyl, Add	*17.52*	
		For Tinted Glass, Add	*21.02*	
		For Low-E Insulated Glass, Add	*43.79*	
		For Obscure Glass, Add	*48.17*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.71	50.05
		For Colored Vinyl, Add	*18.16*	
		For Tinted Glass, Add	*21.80*	
		For Low-E Insulated Glass, Add	*45.41*	
		For Obscure Glass, Add	*49.95*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	298.94	53.75
		For Colored Vinyl, Add	*19.14*	
		For Tinted Glass, Add	*22.97*	
		For Low-E Insulated Glass, Add	*47.86*	
		For Obscure Glass, Add	*52.64*	
08 53 13 00-0125		**44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	265.01	47.26
		For Colored Vinyl, Add	*17.05*	
		For Tinted Glass, Add	*20.46*	
		For Low-E Insulated Glass, Add	*42.62*	
		For Obscure Glass, Add	*46.88*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	274.29	49.12
		For Colored Vinyl, Add	*17.61*	
		For Tinted Glass, Add	*21.13*	
		For Low-E Insulated Glass, Add	*44.02*	
		For Obscure Glass, Add	*48.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	278.28	50.05
		For Colored Vinyl, Add	*17.82*	
		For Tinted Glass, Add	*21.38*	
		For Low-E Insulated Glass, Add	*44.55*	
		For Obscure Glass, Add	*49.01*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	282.59	50.97
		For Colored Vinyl, Add	*18.06*	
		For Tinted Glass, Add	*21.68*	
		For Low-E Insulated Glass, Add	*45.16*	
		For Obscure Glass, Add	*49.68*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	293.10	52.82
		For Colored Vinyl, Add	*18.75*	
		For Tinted Glass, Add	*22.49*	
		For Low-E Insulated Glass, Add	*46.86*	
		For Obscure Glass, Add	*51.55*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	311.10	56.53
		For Colored Vinyl, Add	*19.80*	
		For Tinted Glass, Add	*23.76*	
		For Low-E Insulated Glass, Add	*49.51*	
		For Obscure Glass, Add	*54.46*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	268.53	48.19
		For Colored Vinyl, Add	*17.22*	
		For Tinted Glass, Add	*20.66*	
		For Low-E Insulated Glass, Add	*43.04*	
		For Obscure Glass, Add	*47.34*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	277.81	50.05
		For Colored Vinyl, Add	*17.77*	
		For Tinted Glass, Add	*21.33*	
		For Low-E Insulated Glass, Add	*44.43*	
		For Obscure Glass, Add	*48.88*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.99	50.97
		For Colored Vinyl, Add	*18.00*	
		For Tinted Glass, Add	*21.60*	
		For Low-E Insulated Glass, Add	*45.01*	
		For Obscure Glass, Add	*49.51*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	286.28	51.90
		For Colored Vinyl, Add	*18.25*	
		For Tinted Glass, Add	*21.90*	
		For Low-E Insulated Glass, Add	*45.62*	
		For Obscure Glass, Add	*50.18*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	296.91	53.75
		For Colored Vinyl, Add	*18.94*	
		For Tinted Glass, Add	*22.73*	
		For Low-E Insulated Glass, Add	*47.35*	
		For Obscure Glass, Add	*52.09*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	315.38	57.46
		For Colored Vinyl, Add	*20.05*	
		For Tinted Glass, Add	*24.06*	
		For Low-E Insulated Glass, Add	*50.12*	
		For Obscure Glass, Add	*55.13*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	272.07	49.12
		For Colored Vinyl, Add	*17.38*	
		For Tinted Glass, Add	*20.86*	
		For Low-E Insulated Glass, Add	*43.46*	
		For Obscure Glass, Add	*47.81*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.38	50.97
		For Colored Vinyl, Add	*17.94*	
		For Tinted Glass, Add	*21.53*	
		For Low-E Insulated Glass, Add	*44.86*	
		For Obscure Glass, Add	*49.34*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	285.64	51.90
		For Colored Vinyl, Add	*18.18*	
		For Tinted Glass, Add	*21.82*	
		For Low-E Insulated Glass, Add	*45.46*	
		For Obscure Glass, Add	*50.01*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	289.92	52.82
		For Colored Vinyl, Add	*18.43*	
		For Tinted Glass, Add	*22.11*	
		For Low-E Insulated Glass, Add	*46.07*	
		For Obscure Glass, Add	*50.67*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	300.71	54.67
		For Colored Vinyl, Add	*19.14*	
		For Tinted Glass, Add	*22.96*	
		For Low-E Insulated Glass, Add	*47.84*	
		For Obscure Glass, Add	*52.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	319.59	58.39
		For Colored Vinyl, Add	*20.28*	
		For Tinted Glass, Add	*24.34*	
		For Low-E Insulated Glass, Add	*50.71*	
		For Obscure Glass, Add	*55.78*	
08 53 13 00-0146		50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	275.59	50.05
		For Colored Vinyl, Add	*17.55*	
		For Tinted Glass, Add	*21.06*	
		For Low-E Insulated Glass, Add	*43.88*	
		For Obscure Glass, Add	*48.27*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	284.90	51.90
		For Colored Vinyl, Add	*18.11*	
		For Tinted Glass, Add	*21.73*	
		For Low-E Insulated Glass, Add	*45.28*	
		For Obscure Glass, Add	*49.80*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	289.31	52.82
		For Colored Vinyl, Add	*18.37*	
		For Tinted Glass, Add	*22.04*	
		For Low-E Insulated Glass, Add	*45.92*	
		For Obscure Glass, Add	*50.51*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	293.61	53.75
		For Colored Vinyl, Add	*18.61*	
		For Tinted Glass, Add	*22.33*	
		For Low-E Insulated Glass, Add	*46.53*	
		For Obscure Glass, Add	*51.18*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	304.51	55.61
		For Colored Vinyl, Add	*19.33*	
		For Tinted Glass, Add	*23.20*	
		For Low-E Insulated Glass, Add	*48.33*	
		For Obscure Glass, Add	*53.16*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	323.85	59.31
		For Colored Vinyl, Add	*20.52*	
		For Tinted Glass, Add	*24.63*	
		For Low-E Insulated Glass, Add	*51.31*	
		For Obscure Glass, Add	*56.44*	
08 53 13 00-0153		52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	279.15	50.97
		For Colored Vinyl, Add	*17.72*	
		For Tinted Glass, Add	*21.26*	
		For Low-E Insulated Glass, Add	*44.30*	
		For Obscure Glass, Add	*48.73*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	288.43	52.82
		For Colored Vinyl, Add	*18.28*	
		For Tinted Glass, Add	*21.93*	
		For Low-E Insulated Glass, Add	*45.70*	
		For Obscure Glass, Add	*50.26*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	292.96	53.75
		For Colored Vinyl, Add	*18.55*	
		For Tinted Glass, Add	*22.25*	
		For Low-E Insulated Glass, Add	*46.36*	
		For Obscure Glass, Add	*51.00*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	297.25	54.67
		For Colored Vinyl, Add	*18.79*	
		For Tinted Glass, Add	*22.55*	
		For Low-E Insulated Glass, Add	*46.97*	
		For Obscure Glass, Add	*51.67*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	308.58	56.53
		For Colored Vinyl, Add	*19.55*	
		For Tinted Glass, Add	*23.46*	
		For Low-E Insulated Glass, Add	*48.88*	
		For Obscure Glass, Add	*53.77*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.05	60.24
		For Colored Vinyl, Add	*20.76*	
		For Tinted Glass, Add	*24.91*	
		For Low-E Insulated Glass, Add	*51.89*	
		For Obscure Glass, Add	*57.08*	
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	282.69	51.90
		For Colored Vinyl, Add	*17.89*	
		For Tinted Glass, Add	*21.47*	
		For Low-E Insulated Glass, Add	*44.72*	
		For Obscure Glass, Add	*49.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	291.99	53.75
		For Colored Vinyl, Add	*18.45*	
		For Tinted Glass, Add	*22.14*	
		For Low-E Insulated Glass, Add	*46.12*	
		For Obscure Glass, Add	*50.73*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	296.65	54.67
		For Colored Vinyl, Add	*18.73*	
		For Tinted Glass, Add	*22.47*	
		For Low-E Insulated Glass, Add	*46.82*	
		For Obscure Glass, Add	*51.50*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	300.94	55.61
		For Colored Vinyl, Add	*18.97*	
		For Tinted Glass, Add	*22.77*	
		For Low-E Insulated Glass, Add	*47.43*	
		For Obscure Glass, Add	*52.18*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.66	57.46
		For Colored Vinyl, Add	*19.77*	
		For Tinted Glass, Add	*23.73*	
		For Low-E Insulated Glass, Add	*49.44*	
		For Obscure Glass, Add	*54.38*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.26	61.16
		For Colored Vinyl, Add	*20.99*	
		For Tinted Glass, Add	*25.19*	
		For Low-E Insulated Glass, Add	*52.48*	
		For Obscure Glass, Add	*57.73*	

08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	293.34	54.67
		For Colored Vinyl, Add	*18.40*	
		For Tinted Glass, Add	*22.08*	
		For Low-E Insulated Glass, Add	*46.00*	
		For Obscure Glass, Add	*50.59*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	302.62	56.53
		For Colored Vinyl, Add	*18.96*	
		For Tinted Glass, Add	*22.75*	
		For Low-E Insulated Glass, Add	*47.39*	
		For Obscure Glass, Add	*52.13*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	308.22	57.46
		For Colored Vinyl, Add	*19.33*	
		For Tinted Glass, Add	*23.20*	
		For Low-E Insulated Glass, Add	*48.33*	
		For Obscure Glass, Add	*53.16*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.51	58.39
		For Colored Vinyl, Add	*19.57*	
		For Tinted Glass, Add	*23.49*	
		For Low-E Insulated Glass, Add	*48.94*	
		For Obscure Glass, Add	*53.83*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	324.83	60.24
		For Colored Vinyl, Add	*20.44*	
		For Tinted Glass, Add	*24.52*	
		For Low-E Insulated Glass, Add	*51.09*	
		For Obscure Glass, Add	*56.20*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	344.93	63.95
		For Colored Vinyl, Add	*21.70*	
		For Tinted Glass, Add	*26.04*	
		For Low-E Insulated Glass, Add	*54.26*	
		For Obscure Glass, Add	*59.69*	

08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	296.87	55.61
		For Colored Vinyl, Add	*18.57*	
		For Tinted Glass, Add	*22.28*	
		For Low-E Insulated Glass, Add	*46.42*	
		For Obscure Glass, Add	*51.06*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	306.16	57.46
		For Colored Vinyl, Add	*19.12*	
		For Tinted Glass, Add	*22.95*	
		For Low-E Insulated Glass, Add	*47.81*	
		For Obscure Glass, Add	*52.59*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.13	58.39
		For Colored Vinyl, Add	*19.54*	
		For Tinted Glass, Add	*23.44*	
		For Low-E Insulated Glass, Add	*48.84*	
		For Obscure Glass, Add	*53.72*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	316.42	59.31
		For Colored Vinyl, Add	*19.78*	
		For Tinted Glass, Add	*23.74*	
		For Low-E Insulated Glass, Add	*49.45*	
		For Obscure Glass, Add	*54.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.86	61.16
		For Colored Vinyl, Add	*20.65*	
		For Tinted Glass, Add	*24.78*	
		For Low-E Insulated Glass, Add	*51.63*	
		For Obscure Glass, Add	*56.80*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	349.47	64.87
		For Colored Vinyl, Add	*21.97*	
		For Tinted Glass, Add	*26.37*	
		For Low-E Insulated Glass, Add	*54.93*	
		For Obscure Glass, Add	*60.42*	

08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	304.51	57.46
		For Colored Vinyl, Add	*18.96*	
		For Tinted Glass, Add	*22.75*	
		For Low-E Insulated Glass, Add	*47.40*	
		For Obscure Glass, Add	*52.14*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	313.80	59.31
		For Colored Vinyl, Add	*19.52*	
		For Tinted Glass, Add	*23.42*	
		For Low-E Insulated Glass, Add	*48.80*	
		For Obscure Glass, Add	*53.67*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	319.98	60.24
		For Colored Vinyl, Add	*19.95*	
		For Tinted Glass, Add	*23.94*	
		For Low-E Insulated Glass, Add	*49.88*	
		For Obscure Glass, Add	*54.86*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	324.27	61.16
		For Colored Vinyl, Add	*20.19*	
		For Tinted Glass, Add	*24.23*	
		For Low-E Insulated Glass, Add	*50.49*	
		For Obscure Glass, Add	*55.53*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	337.00	63.02
		For Colored Vinyl, Add	*21.10*	
		For Tinted Glass, Add	*25.32*	
		For Low-E Insulated Glass, Add	*52.74*	
		For Obscure Glass, Add	*58.02*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	358.27	66.72
		For Colored Vinyl, Add	*22.48*	
		For Tinted Glass, Add	*26.98*	
		For Low-E Insulated Glass, Add	*56.20*	
		For Obscure Glass, Add	*61.82*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	315.97	60.24
		For Colored Vinyl, Add	*19.55*	
		For Tinted Glass, Add	*23.46*	
		For Low-E Insulated Glass, Add	*48.87*	
		For Obscure Glass, Add	*53.76*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	325.25	62.10
		For Colored Vinyl, Add	*20.11*	
		For Tinted Glass, Add	*24.13*	
		For Low-E Insulated Glass, Add	*50.27*	
		For Obscure Glass, Add	*55.29*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	331.43	63.02
		For Colored Vinyl, Add	*20.54*	
		For Tinted Glass, Add	*24.65*	
		For Low-E Insulated Glass, Add	*51.35*	
		For Obscure Glass, Add	*56.49*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	335.73	63.95
		For Colored Vinyl, Add	*20.78*	
		For Tinted Glass, Add	*24.94*	
		For Low-E Insulated Glass, Add	*51.96*	
		For Obscure Glass, Add	*57.16*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	348.47	65.80
		For Colored Vinyl, Add	*21.69*	
		For Tinted Glass, Add	*26.02*	
		For Low-E Insulated Glass, Add	*54.22*	
		For Obscure Glass, Add	*59.64*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	369.72	69.51
		For Colored Vinyl, Add	*23.07*	
		For Tinted Glass, Add	*27.69*	
		For Low-E Insulated Glass, Add	*57.68*	
		For Obscure Glass, Add	*63.45*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	298.27	48.66
		For Colored Vinyl, Add	*20.10*	
		For Tinted Glass, Add	*24.12*	
		For Low-E Insulated Glass, Add	*50.24*	
		For Obscure Glass, Add	*55.26*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	328.54	53.29
		For Colored Vinyl, Add	*22.20*	
		For Tinted Glass, Add	*26.64*	
		For Low-E Insulated Glass, Add	*55.49*	
		For Obscure Glass, Add	*61.04*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	357.24	57.92
		For Colored Vinyl, Add	*24.14*	
		For Tinted Glass, Add	*28.97*	
		For Low-E Insulated Glass, Add	*60.35*	
		For Obscure Glass, Add	*66.38*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	379.32	62.56
		For Colored Vinyl, Add	*25.42*	
		For Tinted Glass, Add	*30.51*	
		For Low-E Insulated Glass, Add	*63.55*	
		For Obscure Glass, Add	*69.91*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	402.60	67.19
		For Colored Vinyl, Add	*26.82*	
		For Tinted Glass, Add	*32.19*	
		For Low-E Insulated Glass, Add	*67.06*	
		For Obscure Glass, Add	*73.76*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	436.25	71.82
		For Colored Vinyl, Add	*29.26*	
		For Tinted Glass, Add	*35.11*	
		For Low-E Insulated Glass, Add	*73.15*	
		For Obscure Glass, Add	*80.47*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	3.65	0.60
		For Colored Vinyl, Add	*0.24*	
		For Tinted Glass, Add	*0.29*	
		For Low-E Insulated Glass, Add	*0.61*	
		For Obscure Glass, Add	*0.67*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	220.94	35.21
		For Colored Vinyl, Add	*15.14*	
		For Tinted Glass, Add	*18.17*	
		For Low-E Insulated Glass, Add	*37.86*	
		For Obscure Glass, Add	*41.64*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	228.83	36.15
		For Colored Vinyl, Add	*15.65*	
		For Tinted Glass, Add	*18.78*	
		For Low-E Insulated Glass, Add	*39.14*	
		For Obscure Glass, Add	*43.05*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	237.65	38.00
		For Colored Vinyl, Add	*16.17*	
		For Tinted Glass, Add	*19.40*	
		For Low-E Insulated Glass, Add	*40.41*	
		For Obscure Glass, Add	*44.45*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	252.10	39.85
		For Colored Vinyl, Add	*17.24*	
		For Tinted Glass, Add	*20.69*	
		For Low-E Insulated Glass, Add	*43.10*	
		For Obscure Glass, Add	*47.41*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	234.15	37.07
		For Colored Vinyl, Add	*16.09*	
		For Tinted Glass, Add	*19.31*	
		For Low-E Insulated Glass, Add	*40.24*	
		For Obscure Glass, Add	*44.26*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	242.64	38.00
		For Colored Vinyl, Add	*16.66*	
		For Tinted Glass, Add	*20.00*	
		For Low-E Insulated Glass, Add	*41.66*	
		For Obscure Glass, Add	*45.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	252.02	39.85
		For Colored Vinyl, Add	*17.23*	
		For Tinted Glass, Add	*20.68*	
		For Low-E Insulated Glass, Add	*43.08*	
		For Obscure Glass, Add	*47.39*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	267.17	41.70
		For Colored Vinyl, Add	*18.38*	
		For Tinted Glass, Add	*22.05*	
		For Low-E Insulated Glass, Add	*45.94*	
		For Obscure Glass, Add	*50.53*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	250.87	39.85
		For Colored Vinyl, Add	*17.12*	
		For Tinted Glass, Add	*20.54*	
		For Low-E Insulated Glass, Add	*42.79*	
		For Obscure Glass, Add	*47.07*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	259.63	41.70
		For Colored Vinyl, Add	*17.72*	
		For Tinted Glass, Add	*21.26*	
		For Low-E Insulated Glass, Add	*44.29*	
		For Obscure Glass, Add	*48.72*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	269.33	43.10
		For Colored Vinyl, Add	*18.31*	
		For Tinted Glass, Add	*21.98*	
		For Low-E Insulated Glass, Add	*45.79*	
		For Obscure Glass, Add	*50.36*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	285.03	44.95
		For Colored Vinyl, Add	*19.51*	
		For Tinted Glass, Add	*23.42*	
		For Low-E Insulated Glass, Add	*48.78*	
		For Obscure Glass, Add	*53.66*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	265.36	42.63
		For Colored Vinyl, Add	*18.10*	
		For Tinted Glass, Add	*21.72*	
		For Low-E Insulated Glass, Add	*45.26*	
		For Obscure Glass, Add	*49.78*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	274.53	43.56
		For Colored Vinyl, Add	*18.74*	
		For Tinted Glass, Add	*22.49*	
		For Low-E Insulated Glass, Add	*46.86*	
		For Obscure Glass, Add	*51.54*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	284.63	45.41
		For Colored Vinyl, Add	*19.38*	
		For Tinted Glass, Add	*23.26*	
		For Low-E Insulated Glass, Add	*48.45*	
		For Obscure Glass, Add	*53.30*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	301.46	47.26
		For Colored Vinyl, Add	*20.69*	
		For Tinted Glass, Add	*24.83*	
		For Low-E Insulated Glass, Add	*51.73*	
		For Obscure Glass, Add	*56.91*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	282.74	46.34
		For Colored Vinyl, Add	*19.10*	
		For Tinted Glass, Add	*22.92*	
		For Low-E Insulated Glass, Add	*47.75*	
		For Obscure Glass, Add	*52.52*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	292.25	47.26
		For Colored Vinyl, Add	*19.77*	
		For Tinted Glass, Add	*23.73*	
		For Low-E Insulated Glass, Add	*49.43*	
		For Obscure Glass, Add	*54.37*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	302.70	49.12
		For Colored Vinyl, Add	*20.45*	
		For Tinted Glass, Add	*24.54*	
		For Low-E Insulated Glass, Add	*51.12*	
		For Obscure Glass, Add	*56.23*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	321.04	50.97
		For Colored Vinyl, Add	*21.91*	
		For Tinted Glass, Add	*26.29*	
		For Low-E Insulated Glass, Add	*54.77*	
		For Obscure Glass, Add	*60.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	296.36	48.19
		For Colored Vinyl, Add	*20.09*	
		For Tinted Glass, Add	*24.11*	
		For Low-E Insulated Glass, Add	*50.23*	
		For Obscure Glass, Add	*55.25*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	306.34	49.12
		For Colored Vinyl, Add	*20.81*	
		For Tinted Glass, Add	*24.97*	
		For Low-E Insulated Glass, Add	*52.03*	
		For Obscure Glass, Add	*57.23*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	317.25	50.97
		For Colored Vinyl, Add	*21.53*	
		For Tinted Glass, Add	*25.84*	
		For Low-E Insulated Glass, Add	*53.83*	
		For Obscure Glass, Add	*59.21*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	335.84	52.82
		For Colored Vinyl, Add	*23.02*	
		For Tinted Glass, Add	*27.62*	
		For Low-E Insulated Glass, Add	*57.55*	
		For Obscure Glass, Add	*63.30*	
08 53 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	312.76	50.97
		For Colored Vinyl, Add	*21.08*	
		For Tinted Glass, Add	*25.30*	
		For Low-E Insulated Glass, Add	*52.70*	
		For Obscure Glass, Add	*57.97*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	323.19	52.82
		For Colored Vinyl, Add	*21.85*	
		For Tinted Glass, Add	*26.22*	
		For Low-E Insulated Glass, Add	*54.62*	
		For Obscure Glass, Add	*60.08*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	334.56	54.21
		For Colored Vinyl, Add	*22.61*	
		For Tinted Glass, Add	*27.14*	
		For Low-E Insulated Glass, Add	*56.53*	
		For Obscure Glass, Add	*62.19*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	353.43	56.07
		For Colored Vinyl, Add	*24.13*	
		For Tinted Glass, Add	*28.96*	
		For Low-E Insulated Glass, Add	*60.33*	
		For Obscure Glass, Add	*66.36*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	327.06	53.75
		For Colored Vinyl, Add	*22.05*	
		For Tinted Glass, Add	*26.46*	
		For Low-E Insulated Glass, Add	*55.12*	
		For Obscure Glass, Add	*60.63*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	337.74	54.67
		For Colored Vinyl, Add	*22.84*	
		For Tinted Glass, Add	*27.41*	
		For Low-E Insulated Glass, Add	*57.10*	
		For Obscure Glass, Add	*62.80*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	349.73	56.53
		For Colored Vinyl, Add	*23.67*	
		For Tinted Glass, Add	*28.40*	
		For Low-E Insulated Glass, Add	*59.17*	
		For Obscure Glass, Add	*65.08*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	368.22	58.39
		For Colored Vinyl, Add	*25.15*	
		For Tinted Glass, Add	*30.17*	
		For Low-E Insulated Glass, Add	*62.86*	
		For Obscure Glass, Add	*69.15*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	344.98	56.53
		For Colored Vinyl, Add	*23.19*	
		For Tinted Glass, Add	*27.83*	
		For Low-E Insulated Glass, Add	*57.98*	
		For Obscure Glass, Add	*63.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	356.16	58.39
		For Colored Vinyl, Add	*24.03*	
		For Tinted Glass, Add	*28.84*	
		For Low-E Insulated Glass, Add	*60.08*	
		For Obscure Glass, Add	*66.09*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	367.71	59.77
		For Colored Vinyl, Add	*24.82*	
		For Tinted Glass, Add	*29.78*	
		For Low-E Insulated Glass, Add	*62.04*	
		For Obscure Glass, Add	*68.24*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	385.99	61.63
		For Colored Vinyl, Add	*26.27*	
		For Tinted Glass, Add	*31.53*	
		For Low-E Insulated Glass, Add	*65.68*	
		For Obscure Glass, Add	*72.25*	

08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	423.29	47.26
		For Colored Vinyl, Add	*32.88*	
		For Tinted Glass, Add	*39.45*	
		For Low-E Insulated Glass, Add	*82.19*	
		For Obscure Glass, Add	*90.41*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	440.10	50.97
		For Colored Vinyl, Add	*33.91*	
		For Tinted Glass, Add	*40.69*	
		For Low-E Insulated Glass, Add	*84.77*	
		For Obscure Glass, Add	*93.25*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	457.85	54.67
		For Colored Vinyl, Add	*34.94*	
		For Tinted Glass, Add	*41.93*	
		For Low-E Insulated Glass, Add	*87.36*	
		For Obscure Glass, Add	*96.09*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	477.52	57.92
		For Colored Vinyl, Add	*36.17*	
		For Tinted Glass, Add	*43.40*	
		For Low-E Insulated Glass, Add	*90.42*	
		For Obscure Glass, Add	*99.46*	

08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	447.81	49.58
		For Colored Vinyl, Add	*34.87*	
		For Tinted Glass, Add	*41.84*	
		For Low-E Insulated Glass, Add	*87.16*	
		For Obscure Glass, Add	*95.88*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	465.47	52.82
		For Colored Vinyl, Add	*35.98*	
		For Tinted Glass, Add	*43.18*	
		For Low-E Insulated Glass, Add	*89.96*	
		For Obscure Glass, Add	*98.95*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	484.06	56.53
		For Colored Vinyl, Add	*37.10*	
		For Tinted Glass, Add	*44.52*	
		For Low-E Insulated Glass, Add	*92.75*	
		For Obscure Glass, Add	*102.03*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	503.22	60.24
		For Colored Vinyl, Add	*38.27*	
		For Tinted Glass, Add	*45.93*	
		For Low-E Insulated Glass, Add	*95.69*	
		For Obscure Glass, Add	*105.25*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	475.50	53.29
		For Colored Vinyl, Add	*36.89*	
		For Tinted Glass, Add	*44.27*	
		For Low-E Insulated Glass, Add	*92.23*	
		For Obscure Glass, Add	*101.46*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	493.77	56.53
		For Colored Vinyl, Add	*38.07*	
		For Tinted Glass, Add	*45.69*	
		For Low-E Insulated Glass, Add	*95.18*	
		For Obscure Glass, Add	*104.70*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	512.99	60.24
		For Colored Vinyl, Add	*39.25*	
		For Tinted Glass, Add	*47.10*	
		For Low-E Insulated Glass, Add	*98.13*	
		For Obscure Glass, Add	*107.94*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	533.56	63.95
		For Colored Vinyl, Add	*40.57*	
		For Tinted Glass, Add	*48.68*	
		For Low-E Insulated Glass, Add	*101.42*	
		For Obscure Glass, Add	*111.56*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	499.44	55.14
		For Colored Vinyl, Add	*38.92*	
		For Tinted Glass, Add	*46.70*	
		For Low-E Insulated Glass, Add	*97.29*	
		For Obscure Glass, Add	*107.02*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	518.53	58.39
		For Colored Vinyl, Add	*40.18*	
		For Tinted Glass, Add	*48.21*	
		For Low-E Insulated Glass, Add	*100.44*	
		For Obscure Glass, Add	*110.48*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	538.54	62.10
		For Colored Vinyl, Add	*41.44*	
		For Tinted Glass, Add	*49.72*	
		For Low-E Insulated Glass, Add	*103.59*	
		For Obscure Glass, Add	*113.95*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	559.41	65.80
		For Colored Vinyl, Add	*42.78*	
		For Tinted Glass, Add	*51.34*	
		For Low-E Insulated Glass, Add	*106.95*	
		For Obscure Glass, Add	*117.65*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	526.16	58.39
		For Colored Vinyl, Add	*40.94*	
		For Tinted Glass, Add	*49.13*	
		For Low-E Insulated Glass, Add	*102.35*	
		For Obscure Glass, Add	*112.58*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	546.06	62.10
		For Colored Vinyl, Add	*42.28*	
		For Tinted Glass, Add	*50.74*	
		For Low-E Insulated Glass, Add	*105.70*	
		For Obscure Glass, Add	*116.27*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	566.88	65.80
		For Colored Vinyl, Add	*43.62*	
		For Tinted Glass, Add	*52.35*	
		For Low-E Insulated Glass, Add	*109.05*	
		For Obscure Glass, Add	*119.96*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	588.01	69.05
		For Colored Vinyl, Add	*44.99*	
		For Tinted Glass, Add	*53.99*	
		For Low-E Insulated Glass, Add	*112.48*	
		For Obscure Glass, Add	*123.73*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	551.69	60.70
		For Colored Vinyl, Add	*43.03*	
		For Tinted Glass, Add	*51.63*	
		For Low-E Insulated Glass, Add	*107.57*	
		For Obscure Glass, Add	*118.33*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	571.59	63.95
		For Colored Vinyl, Add	*44.37*	
		For Tinted Glass, Add	*53.24*	
		For Low-E Insulated Glass, Add	*110.93*	
		For Obscure Glass, Add	*122.02*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	592.35	67.65
		For Colored Vinyl, Add	*45.70*	
		For Tinted Glass, Add	*54.84*	
		For Low-E Insulated Glass, Add	*114.26*	
		For Obscure Glass, Add	*125.69*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	613.54	71.36
		For Colored Vinyl, Add	*47.08*	
		For Tinted Glass, Add	*56.50*	
		For Low-E Insulated Glass, Add	*117.71*	
		For Obscure Glass, Add	*129.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0282		72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	580.41	63.95
		For Colored Vinyl, Add	*45.25*	
		For Tinted Glass, Add	*54.30*	
		For Low-E Insulated Glass, Add	*113.13*	
		For Obscure Glass, Add	*124.44*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	600.32	67.65
		For Colored Vinyl, Add	*46.59*	
		For Tinted Glass, Add	*55.91*	
		For Low-E Insulated Glass, Add	*116.49*	
		For Obscure Glass, Add	*128.13*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	621.15	71.36
		For Colored Vinyl, Add	*47.94*	
		For Tinted Glass, Add	*57.52*	
		For Low-E Insulated Glass, Add	*119.84*	
		For Obscure Glass, Add	*131.82*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	642.29	74.61
		For Colored Vinyl, Add	*49.31*	
		For Tinted Glass, Add	*59.17*	
		For Low-E Insulated Glass, Add	*123.27*	
		For Obscure Glass, Add	*135.60*	
08 53 13 00-0287		Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	524.19	60.24
		For Colored Vinyl, Add	*40.37*	
		For Tinted Glass, Add	*48.45*	
		For Low-E Insulated Glass, Add	*100.93*	
		For Obscure Glass, Add	*111.02*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	550.46	64.87
		For Colored Vinyl, Add	*42.07*	
		For Tinted Glass, Add	*50.49*	
		For Low-E Insulated Glass, Add	*105.18*	
		For Obscure Glass, Add	*115.70*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	596.36	71.82
		For Colored Vinyl, Add	*45.27*	
		For Tinted Glass, Add	*54.33*	
		For Low-E Insulated Glass, Add	*113.18*	
		For Obscure Glass, Add	*124.50*	
08 53 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	557.18	63.02
		For Colored Vinyl, Add	*43.21*	
		For Tinted Glass, Add	*51.85*	
		For Low-E Insulated Glass, Add	*108.02*	
		For Obscure Glass, Add	*118.82*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	583.63	67.19
		For Colored Vinyl, Add	*44.93*	
		For Tinted Glass, Add	*53.91*	
		For Low-E Insulated Glass, Add	*112.31*	
		For Obscure Glass, Add	*123.54*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	631.82	74.14
		For Colored Vinyl, Add	*48.35*	
		For Tinted Glass, Add	*58.02*	
		For Low-E Insulated Glass, Add	*120.89*	
		For Obscure Glass, Add	*132.97*	
08 53 13 00-0296		48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	589.83	66.72
		For Colored Vinyl, Add	*45.64*	
		For Tinted Glass, Add	*54.76*	
		For Low-E Insulated Glass, Add	*114.09*	
		For Obscure Glass, Add	*125.50*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	619.98	70.90
		For Colored Vinyl, Add	*47.82*	
		For Tinted Glass, Add	*57.38*	
		For Low-E Insulated Glass, Add	*119.55*	
		For Obscure Glass, Add	*131.50*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	670.14	77.85
		For Colored Vinyl, Add	*51.45*	
		For Tinted Glass, Add	*61.73*	
		For Low-E Insulated Glass, Add	*128.61*	
		For Obscure Glass, Add	*141.47*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0300		52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	620.92	68.58
		For Colored Vinyl, Add	*48.38*	
		For Tinted Glass, Add	*58.05*	
		For Low-E Insulated Glass, Add	*120.94*	
		For Obscure Glass, Add	*133.03*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	653.21	73.21
		For Colored Vinyl, Add	*50.68*	
		For Tinted Glass, Add	*60.81*	
		For Low-E Insulated Glass, Add	*126.70*	
		For Obscure Glass, Add	*139.36*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	709.32	79.70
		For Colored Vinyl, Add	*54.99*	
		For Tinted Glass, Add	*65.99*	
		For Low-E Insulated Glass, Add	*137.48*	
		For Obscure Glass, Add	*151.23*	
08 53 13 00-0304		60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	654.78	71.82
		For Colored Vinyl, Add	*51.11*	
		For Tinted Glass, Add	*61.34*	
		For Low-E Insulated Glass, Add	*127.78*	
		For Obscure Glass, Add	*140.56*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	688.27	76.46
		For Colored Vinyl, Add	*53.54*	
		For Tinted Glass, Add	*64.24*	
		For Low-E Insulated Glass, Add	*133.84*	
		For Obscure Glass, Add	*147.22*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	751.26	82.95
		For Colored Vinyl, Add	*58.54*	
		For Tinted Glass, Add	*70.24*	
		For Low-E Insulated Glass, Add	*146.34*	
		For Obscure Glass, Add	*160.98*	
08 53 13 00-0308		64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	690.34	74.14
		For Colored Vinyl, Add	*54.21*	
		For Tinted Glass, Add	*65.05*	
		For Low-E Insulated Glass, Add	*135.52*	
		For Obscure Glass, Add	*149.07*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	723.80	78.77
		For Colored Vinyl, Add	*56.63*	
		For Tinted Glass, Add	*67.95*	
		For Low-E Insulated Glass, Add	*141.57*	
		For Obscure Glass, Add	*155.72*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	786.80	85.26
		For Colored Vinyl, Add	*61.63*	
		For Tinted Glass, Add	*73.95*	
		For Low-E Insulated Glass, Add	*154.07*	
		For Obscure Glass, Add	*169.48*	
08 53 13 00-0312		72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	727.82	77.38
		For Colored Vinyl, Add	*57.31*	
		For Tinted Glass, Add	*68.77*	
		For Low-E Insulated Glass, Add	*143.26*	
		For Obscure Glass, Add	*157.59*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	761.28	82.02
		For Colored Vinyl, Add	*59.73*	
		For Tinted Glass, Add	*71.67*	
		For Low-E Insulated Glass, Add	*149.31*	
		For Obscure Glass, Add	*164.24*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	824.28	88.51
		For Colored Vinyl, Add	*64.73*	
		For Tinted Glass, Add	*77.67*	
		For Low-E Insulated Glass, Add	*161.82*	
		For Obscure Glass, Add	*178.00*	
08 53 13 00-0316		Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*		

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0317		One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*		
08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	278.87	39.39
		For Colored Vinyl, Add	*20.01*	
		For Tinted Glass, Add	*24.01*	
		For Low-E Insulated Glass, Add	*50.03*	
		For Obscure Glass, Add	*55.03*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	315.99	44.02
		For Colored Vinyl, Add	*22.79*	
		For Tinted Glass, Add	*27.35*	
		For Low-E Insulated Glass, Add	*56.99*	
		For Obscure Glass, Add	*62.68*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	349.95	48.66
		For Colored Vinyl, Add	*25.26*	
		For Tinted Glass, Add	*30.32*	
		For Low-E Insulated Glass, Add	*63.16*	
		For Obscure Glass, Add	*69.48*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	380.76	53.29
		For Colored Vinyl, Add	*27.42*	
		For Tinted Glass, Add	*32.90*	
		For Low-E Insulated Glass, Add	*68.55*	
		For Obscure Glass, Add	*75.40*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	408.45	57.92
		For Colored Vinyl, Add	*29.26*	
		For Tinted Glass, Add	*35.11*	
		For Low-E Insulated Glass, Add	*73.15*	
		For Obscure Glass, Add	*80.47*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	426.99	62.56
		For Colored Vinyl, Add	*30.19*	
		For Tinted Glass, Add	*36.23*	
		For Low-E Insulated Glass, Add	*75.47*	
		For Obscure Glass, Add	*83.02*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	4.20	0.60
		For Colored Vinyl, Add	*0.30*	
		For Tinted Glass, Add	*0.36*	
		For Low-E Insulated Glass, Add	*0.75*	
		For Obscure Glass, Add	*0.82*	
08 53 13 00-0325		Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*		
08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	447.56	48.66
		For Colored Vinyl, Add	*35.03*	
		For Tinted Glass, Add	*42.03*	
		For Low-E Insulated Glass, Add	*87.56*	
		For Obscure Glass, Add	*96.32*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	491.75	53.29
		For Colored Vinyl, Add	*38.52*	
		For Tinted Glass, Add	*46.22*	
		For Low-E Insulated Glass, Add	*96.30*	
		For Obscure Glass, Add	*105.92*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	532.80	57.92
		For Colored Vinyl, Add	*41.70*	
		For Tinted Glass, Add	*50.03*	
		For Low-E Insulated Glass, Add	*104.24*	
		For Obscure Glass, Add	*114.66*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	562.04	62.56
		For Colored Vinyl, Add	*43.69*	
		For Tinted Glass, Add	*52.43*	
		For Low-E Insulated Glass, Add	*109.23*	
		For Obscure Glass, Add	*120.16*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	592.94	67.19
		For Colored Vinyl, Add	*45.86*	
		For Tinted Glass, Add	*55.03*	
		For Low-E Insulated Glass, Add	*114.64*	
		For Obscure Glass, Add	*126.10*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	625.02	71.82
		For Colored Vinyl, Add	*48.14*	
		For Tinted Glass, Add	*57.76*	
		For Low-E Insulated Glass, Add	*120.34*	
		For Obscure Glass, Add	*132.38*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	5.22	0.60
		For Colored Vinyl, Add	*0.40*	
		For Tinted Glass, Add	*0.48*	
		For Low-E Insulated Glass, Add	*1.00*	
		For Obscure Glass, Add	*1.10*	
08 53 13 00-0333		Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	464.79	48.66
		For Colored Vinyl, Add	*36.75*	
		For Tinted Glass, Add	*44.10*	
		For Low-E Insulated Glass, Add	*91.87*	
		For Obscure Glass, Add	*101.06*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	510.86	53.29
		For Colored Vinyl, Add	*40.43*	
		For Tinted Glass, Add	*48.51*	
		For Low-E Insulated Glass, Add	*101.07*	
		For Obscure Glass, Add	*111.18*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	554.75	57.92
		For Colored Vinyl, Add	*43.89*	
		For Tinted Glass, Add	*52.67*	
		For Low-E Insulated Glass, Add	*109.73*	
		For Obscure Glass, Add	*120.70*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	585.87	62.56
		For Colored Vinyl, Add	*46.08*	
		For Tinted Glass, Add	*55.29*	
		For Low-E Insulated Glass, Add	*115.19*	
		For Obscure Glass, Add	*126.71*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	618.90	67.19
		For Colored Vinyl, Add	*48.45*	
		For Tinted Glass, Add	*58.14*	
		For Low-E Insulated Glass, Add	*121.13*	
		For Obscure Glass, Add	*133.24*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	653.34	71.82
		For Colored Vinyl, Add	*50.97*	
		For Tinted Glass, Add	*61.16*	
		For Low-E Insulated Glass, Add	*127.42*	
		For Obscure Glass, Add	*140.16*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	5.46	0.60
		For Colored Vinyl, Add	*0.43*	
		For Tinted Glass, Add	*0.51*	
		For Low-E Insulated Glass, Add	*1.06*	
		For Obscure Glass, Add	*1.17*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	279.20	38.00
		For Colored Vinyl, Add	*20.32*	
		For Tinted Glass, Add	*24.38*	
		For Low-E Insulated Glass, Add	*50.80*	
		For Obscure Glass, Add	*55.88*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	292.34	39.85
		For Colored Vinyl, Add	*21.26*	
		For Tinted Glass, Add	*25.52*	
		For Low-E Insulated Glass, Add	*53.16*	
		For Obscure Glass, Add	*58.48*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	312.99	43.10
		For Colored Vinyl, Add	*22.68*	
		For Tinted Glass, Add	*27.22*	
		For Low-E Insulated Glass, Add	*56.70*	
		For Obscure Glass, Add	*62.37*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	326.52	45.41
		For Colored Vinyl, Add	*23.57*	
		For Tinted Glass, Add	*28.28*	
		For Low-E Insulated Glass, Add	*58.93*	
		For Obscure Glass, Add	*64.82*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	348.62	49.12
		For Colored Vinyl, Add	*25.04*	
		For Tinted Glass, Add	*30.05*	
		For Low-E Insulated Glass, Add	*62.60*	
		For Obscure Glass, Add	*68.86*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	293.77	39.85
		For Colored Vinyl, Add	*21.50*	
		For Tinted Glass, Add	*25.80*	
		For Low-E Insulated Glass, Add	*53.75*	
		For Obscure Glass, Add	*59.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	306.92	41.70
		For Colored Vinyl, Add	*22.44*	
		For Tinted Glass, Add	*26.93*	
		For Low-E Insulated Glass, Add	*56.11*	
		For Obscure Glass, Add	*61.72*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	328.87	44.49
		For Colored Vinyl, Add	*23.99*	
		For Tinted Glass, Add	*28.79*	
		For Low-E Insulated Glass, Add	*59.98*	
		For Obscure Glass, Add	*65.97*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	342.42	47.26
		For Colored Vinyl, Add	*24.88*	
		For Tinted Glass, Add	*29.86*	
		For Low-E Insulated Glass, Add	*62.21*	
		For Obscure Glass, Add	*68.43*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	365.82	50.51
		For Colored Vinyl, Add	*26.48*	
		For Tinted Glass, Add	*31.78*	
		For Low-E Insulated Glass, Add	*66.20*	
		For Obscure Glass, Add	*72.82*	
08 53 13 00-0356		24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	304.02	41.70
		For Colored Vinyl, Add	*22.15*	
		For Tinted Glass, Add	*26.58*	
		For Low-E Insulated Glass, Add	*55.39*	
		For Obscure Glass, Add	*60.92*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	317.17	43.56
		For Colored Vinyl, Add	*23.10*	
		For Tinted Glass, Add	*27.72*	
		For Low-E Insulated Glass, Add	*57.75*	
		For Obscure Glass, Add	*63.52*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	339.77	46.34
		For Colored Vinyl, Add	*24.71*	
		For Tinted Glass, Add	*29.65*	
		For Low-E Insulated Glass, Add	*61.78*	
		For Obscure Glass, Add	*67.95*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	354.39	49.12
		For Colored Vinyl, Add	*25.71*	
		For Tinted Glass, Add	*30.85*	
		For Low-E Insulated Glass, Add	*64.27*	
		For Obscure Glass, Add	*70.70*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	378.05	52.36
		For Colored Vinyl, Add	*27.33*	
		For Tinted Glass, Add	*32.80*	
		For Low-E Insulated Glass, Add	*68.33*	
		For Obscure Glass, Add	*75.17*	
08 53 13 00-0362		28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	314.29	43.56
		For Colored Vinyl, Add	*22.81*	
		For Tinted Glass, Add	*27.37*	
		For Low-E Insulated Glass, Add	*57.03*	
		For Obscure Glass, Add	*62.73*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	327.44	45.41
		For Colored Vinyl, Add	*23.75*	
		For Tinted Glass, Add	*28.50*	
		For Low-E Insulated Glass, Add	*59.39*	
		For Obscure Glass, Add	*65.32*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	350.70	48.19
		For Colored Vinyl, Add	*25.43*	
		For Tinted Glass, Add	*30.52*	
		For Low-E Insulated Glass, Add	*63.58*	
		For Obscure Glass, Add	*69.94*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	366.29	50.97
		For Colored Vinyl, Add	*26.53*	
		For Tinted Glass, Add	*31.83*	
		For Low-E Insulated Glass, Add	*66.32*	
		For Obscure Glass, Add	*72.95*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	390.28	54.21
		For Colored Vinyl, Add	*28.19*	
		For Tinted Glass, Add	*33.82*	
		For Low-E Insulated Glass, Add	*70.46*	
		For Obscure Glass, Add	*77.51*	
08 53 13 00-0368		36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	371.60	51.44
		For Colored Vinyl, Add	*26.87*	
		For Tinted Glass, Add	*32.25*	
		For Low-E Insulated Glass, Add	*67.18*	
		For Obscure Glass, Add	*73.90*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	387.21	53.75
		For Colored Vinyl, Add	*27.97*	
		For Tinted Glass, Add	*33.56*	
		For Low-E Insulated Glass, Add	*69.93*	
		For Obscure Glass, Add	*76.92*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	412.51	57.46
		For Colored Vinyl, Add	*29.76*	
		For Tinted Glass, Add	*35.71*	
		For Low-E Insulated Glass, Add	*74.40*	
		For Obscure Glass, Add	*81.84*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	291.38	39.39
		For Colored Vinyl, Add	*21.26*	
		For Tinted Glass, Add	*25.51*	
		For Low-E Insulated Glass, Add	*53.15*	
		For Obscure Glass, Add	*58.47*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	335.81	44.02
		For Colored Vinyl, Add	*24.78*	
		For Tinted Glass, Add	*29.73*	
		For Low-E Insulated Glass, Add	*61.94*	
		For Obscure Glass, Add	*68.13*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	378.66	48.66
		For Colored Vinyl, Add	*28.14*	
		For Tinted Glass, Add	*33.76*	
		For Low-E Insulated Glass, Add	*70.34*	
		For Obscure Glass, Add	*77.37*	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	419.93	53.29
		For Colored Vinyl, Add	*31.34*	
		For Tinted Glass, Add	*37.60*	
		For Low-E Insulated Glass, Add	*78.34*	
		For Obscure Glass, Add	*86.17*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	459.65	57.92
		For Colored Vinyl, Add	*34.38*	
		For Tinted Glass, Add	*41.26*	
		For Low-E Insulated Glass, Add	*85.95*	
		For Obscure Glass, Add	*94.55*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	482.60	62.56
		For Colored Vinyl, Add	*35.75*	
		For Tinted Glass, Add	*42.90*	
		For Low-E Insulated Glass, Add	*89.37*	
		For Obscure Glass, Add	*98.31*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	4.75	0.60
		For Colored Vinyl, Add	*0.35*	
		For Tinted Glass, Add	*0.42*	
		For Low-E Insulated Glass, Add	*0.89*	
		For Obscure Glass, Add	*0.97*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	184.87	45.41
		For Colored Vinyl, Add	*9.50*	
		For Tinted Glass, Add	*11.40*	
		For Low-E Insulated Glass, Add	*23.74*	
		For Obscure Glass, Add	*26.12*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	205.30	50.97
		For Colored Vinyl, Add	*10.43*	
		For Tinted Glass, Add	*12.51*	
		For Low-E Insulated Glass, Add	*26.07*	
		For Obscure Glass, Add	*28.68*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	215.51	53.29
		For Colored Vinyl, Add	*10.89*	
		For Tinted Glass, Add	*13.07*	
		For Low-E Insulated Glass, Add	*27.24*	
		For Obscure Glass, Add	*29.96*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	225.72	56.07
		For Colored Vinyl, Add	*11.36*	
		For Tinted Glass, Add	*13.63*	
		For Low-E Insulated Glass, Add	*28.40*	
		For Obscure Glass, Add	*31.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	232.54	58.39
		For Colored Vinyl, Add	*11.67*	
		For Tinted Glass, Add	*14.00*	
		For Low-E Insulated Glass, Add	*29.17*	
		For Obscure Glass, Add	*32.09*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	246.17	61.63
		For Colored Vinyl, Add	*12.29*	
		For Tinted Glass, Add	*14.75*	
		For Low-E Insulated Glass, Add	*30.73*	
		For Obscure Glass, Add	*33.80*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	193.81	47.26
		For Colored Vinyl, Add	*10.02*	
		For Tinted Glass, Add	*12.03*	
		For Low-E Insulated Glass, Add	*25.05*	
		For Obscure Glass, Add	*27.56*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	214.66	52.82
		For Colored Vinyl, Add	*10.99*	
		For Tinted Glass, Add	*13.19*	
		For Low-E Insulated Glass, Add	*27.49*	
		For Obscure Glass, Add	*30.23*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	225.15	55.14
		For Colored Vinyl, Add	*11.49*	
		For Tinted Glass, Add	*13.78*	
		For Low-E Insulated Glass, Add	*28.72*	
		For Obscure Glass, Add	*31.59*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	235.55	57.92
		For Colored Vinyl, Add	*11.97*	
		For Tinted Glass, Add	*14.36*	
		For Low-E Insulated Glass, Add	*29.93*	
		For Obscure Glass, Add	*32.92*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	242.49	60.24
		For Colored Vinyl, Add	*12.29*	
		For Tinted Glass, Add	*14.75*	
		For Low-E Insulated Glass, Add	*30.74*	
		For Obscure Glass, Add	*33.81*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	256.41	63.48
		For Colored Vinyl, Add	*12.94*	
		For Tinted Glass, Add	*15.53*	
		For Low-E Insulated Glass, Add	*32.36*	
		For Obscure Glass, Add	*35.60*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	220.78	52.82
		For Colored Vinyl, Add	*11.61*	
		For Tinted Glass, Add	*13.93*	
		For Low-E Insulated Glass, Add	*29.02*	
		For Obscure Glass, Add	*31.92*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	243.02	58.39
		For Colored Vinyl, Add	*12.72*	
		For Tinted Glass, Add	*15.26*	
		For Low-E Insulated Glass, Add	*31.79*	
		For Obscure Glass, Add	*34.97*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	254.15	60.70
		For Colored Vinyl, Add	*13.27*	
		For Tinted Glass, Add	*15.93*	
		For Low-E Insulated Glass, Add	*33.19*	
		For Obscure Glass, Add	*36.50*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	265.26	63.48
		For Colored Vinyl, Add	*13.83*	
		For Tinted Glass, Add	*16.59*	
		For Low-E Insulated Glass, Add	*34.57*	
		For Obscure Glass, Add	*38.03*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	272.67	64.87
		For Colored Vinyl, Add	*14.20*	
		For Tinted Glass, Add	*17.04*	
		For Low-E Insulated Glass, Add	*35.50*	
		For Obscure Glass, Add	*39.05*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	287.49	69.05
		For Colored Vinyl, Add	*14.94*	
		For Tinted Glass, Add	*17.93*	
		For Low-E Insulated Glass, Add	*37.35*	
		For Obscure Glass, Add	*41.09*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	234.27	55.61
		For Colored Vinyl, Add	*12.40*	
		For Tinted Glass, Add	*14.88*	
		For Low-E Insulated Glass, Add	*31.00*	
		For Obscure Glass, Add	*34.10*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	257.20	61.16
		For Colored Vinyl, Add	*13.58*	
		For Tinted Glass, Add	*16.29*	
		For Low-E Insulated Glass, Add	*33.95*	
		For Obscure Glass, Add	*37.34*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	268.68	63.48
		For Colored Vinyl, Add	*14.17*	
		For Tinted Glass, Add	*17.01*	
		For Low-E Insulated Glass, Add	*35.43*	
		For Obscure Glass, Add	*38.97*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	280.12	66.26
		For Colored Vinyl, Add	*14.76*	
		For Tinted Glass, Add	*17.71*	
		For Low-E Insulated Glass, Add	*36.90*	
		For Obscure Glass, Add	*40.59*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	287.75	68.58
		For Colored Vinyl, Add	*15.15*	
		For Tinted Glass, Add	*18.18*	
		For Low-E Insulated Glass, Add	*37.88*	
		For Obscure Glass, Add	*41.67*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	303.05	71.82
		For Colored Vinyl, Add	*15.94*	
		For Tinted Glass, Add	*19.13*	
		For Low-E Insulated Glass, Add	*39.85*	
		For Obscure Glass, Add	*43.84*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	238.77	56.53
		For Colored Vinyl, Add	*12.66*	
		For Tinted Glass, Add	*15.20*	
		For Low-E Insulated Glass, Add	*31.66*	
		For Obscure Glass, Add	*34.83*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	261.93	62.10
		For Colored Vinyl, Add	*13.87*	
		For Tinted Glass, Add	*16.64*	
		For Low-E Insulated Glass, Add	*34.67*	
		For Obscure Glass, Add	*38.13*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	273.50	64.41
		For Colored Vinyl, Add	*14.47*	
		For Tinted Glass, Add	*17.36*	
		For Low-E Insulated Glass, Add	*36.17*	
		For Obscure Glass, Add	*39.79*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	285.08	67.19
		For Colored Vinyl, Add	*15.07*	
		For Tinted Glass, Add	*18.08*	
		For Low-E Insulated Glass, Add	*37.68*	
		For Obscure Glass, Add	*41.44*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	292.80	69.51
		For Colored Vinyl, Add	*15.47*	
		For Tinted Glass, Add	*18.57*	
		For Low-E Insulated Glass, Add	*38.68*	
		For Obscure Glass, Add	*42.55*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	308.22	72.75
		For Colored Vinyl, Add	*16.27*	
		For Tinted Glass, Add	*19.53*	
		For Low-E Insulated Glass, Add	*40.68*	
		For Obscure Glass, Add	*44.75*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	243.27	57.46
		For Colored Vinyl, Add	*12.93*	
		For Tinted Glass, Add	*15.51*	
		For Low-E Insulated Glass, Add	*32.32*	
		For Obscure Glass, Add	*35.55*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	266.64	63.02
		For Colored Vinyl, Add	*14.15*	
		For Tinted Glass, Add	*16.98*	
		For Low-E Insulated Glass, Add	*35.38*	
		For Obscure Glass, Add	*38.92*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	278.34	65.34
		For Colored Vinyl, Add	*14.77*	
		For Tinted Glass, Add	*17.72*	
		For Low-E Insulated Glass, Add	*36.92*	
		For Obscure Glass, Add	*40.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	290.02	68.11
		For Colored Vinyl, Add	*15.38*	
		For Tinted Glass, Add	*18.45*	
		For Low-E Insulated Glass, Add	*38.45*	
		For Obscure Glass, Add	*42.29*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.82	70.43
		For Colored Vinyl, Add	*15.79*	
		For Tinted Glass, Add	*18.95*	
		For Low-E Insulated Glass, Add	*39.47*	
		For Obscure Glass, Add	*43.42*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	313.42	73.67
		For Colored Vinyl, Add	*16.61*	
		For Tinted Glass, Add	*19.93*	
		For Low-E Insulated Glass, Add	*41.52*	
		For Obscure Glass, Add	*45.67*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	247.77	58.39
		For Colored Vinyl, Add	*13.19*	
		For Tinted Glass, Add	*15.83*	
		For Low-E Insulated Glass, Add	*32.98*	
		For Obscure Glass, Add	*36.28*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	271.38	63.95
		For Colored Vinyl, Add	*14.44*	
		For Tinted Glass, Add	*17.33*	
		For Low-E Insulated Glass, Add	*36.10*	
		For Obscure Glass, Add	*39.71*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	283.18	66.26
		For Colored Vinyl, Add	*15.07*	
		For Tinted Glass, Add	*18.08*	
		For Low-E Insulated Glass, Add	*37.67*	
		For Obscure Glass, Add	*41.43*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	294.97	69.05
		For Colored Vinyl, Add	*15.69*	
		For Tinted Glass, Add	*18.83*	
		For Low-E Insulated Glass, Add	*39.22*	
		For Obscure Glass, Add	*43.14*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	302.85	71.36
		For Colored Vinyl, Add	*16.11*	
		For Tinted Glass, Add	*19.33*	
		For Low-E Insulated Glass, Add	*40.27*	
		For Obscure Glass, Add	*44.29*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	318.60	74.61
		For Colored Vinyl, Add	*16.94*	
		For Tinted Glass, Add	*20.33*	
		For Low-E Insulated Glass, Add	*42.35*	
		For Obscure Glass, Add	*46.58*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.26	59.31
		For Colored Vinyl, Add	*13.46*	
		For Tinted Glass, Add	*16.15*	
		For Low-E Insulated Glass, Add	*33.64*	
		For Obscure Glass, Add	*37.00*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	276.09	64.87
		For Colored Vinyl, Add	*14.73*	
		For Tinted Glass, Add	*17.67*	
		For Low-E Insulated Glass, Add	*36.82*	
		For Obscure Glass, Add	*40.50*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	288.01	67.19
		For Colored Vinyl, Add	*15.36*	
		For Tinted Glass, Add	*18.44*	
		For Low-E Insulated Glass, Add	*38.41*	
		For Obscure Glass, Add	*42.25*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	299.93	69.97
		For Colored Vinyl, Add	*16.00*	
		For Tinted Glass, Add	*19.20*	
		For Low-E Insulated Glass, Add	*40.00*	
		For Obscure Glass, Add	*44.00*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	307.88	72.29
		For Colored Vinyl, Add	*16.42*	
		For Tinted Glass, Add	*19.71*	
		For Low-E Insulated Glass, Add	*41.06*	
		For Obscure Glass, Add	*45.16*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	323.77	75.53
		For Colored Vinyl, Add	*17.27*	
		For Tinted Glass, Add	*20.73*	
		For Low-E Insulated Glass, Add	*43.18*	
		For Obscure Glass, Add	*47.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	256.76	60.24
		For Colored Vinyl, Add	*13.72*	
		For Tinted Glass, Add	*16.47*	
		For Low-E Insulated Glass, Add	*34.30*	
		For Obscure Glass, Add	*37.73*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	280.82	65.80
		For Colored Vinyl, Add	*15.02*	
		For Tinted Glass, Add	*18.02*	
		For Low-E Insulated Glass, Add	*37.54*	
		For Obscure Glass, Add	*41.29*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	292.85	68.11
		For Colored Vinyl, Add	*15.66*	
		For Tinted Glass, Add	*18.79*	
		For Low-E Insulated Glass, Add	*39.16*	
		For Obscure Glass, Add	*43.07*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	304.89	70.90
		For Colored Vinyl, Add	*16.31*	
		For Tinted Glass, Add	*19.57*	
		For Low-E Insulated Glass, Add	*40.78*	
		For Obscure Glass, Add	*44.85*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	312.91	73.21
		For Colored Vinyl, Add	*16.74*	
		For Tinted Glass, Add	*20.09*	
		For Low-E Insulated Glass, Add	*41.85*	
		For Obscure Glass, Add	*46.04*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	328.97	76.46
		For Colored Vinyl, Add	*17.61*	
		For Tinted Glass, Add	*21.13*	
		For Low-E Insulated Glass, Add	*44.01*	
		For Obscure Glass, Add	*48.41*	
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	261.26	61.16
		For Colored Vinyl, Add	*13.99*	
		For Tinted Glass, Add	*16.78*	
		For Low-E Insulated Glass, Add	*34.96*	
		For Obscure Glass, Add	*38.46*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	285.54	66.72
		For Colored Vinyl, Add	*15.30*	
		For Tinted Glass, Add	*18.36*	
		For Low-E Insulated Glass, Add	*38.26*	
		For Obscure Glass, Add	*42.08*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.69	69.05
		For Colored Vinyl, Add	*15.96*	
		For Tinted Glass, Add	*19.15*	
		For Low-E Insulated Glass, Add	*39.90*	
		For Obscure Glass, Add	*43.89*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	309.85	71.82
		For Colored Vinyl, Add	*16.62*	
		For Tinted Glass, Add	*19.94*	
		For Low-E Insulated Glass, Add	*41.55*	
		For Obscure Glass, Add	*45.71*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	317.95	74.14
		For Colored Vinyl, Add	*17.06*	
		For Tinted Glass, Add	*20.47*	
		For Low-E Insulated Glass, Add	*42.65*	
		For Obscure Glass, Add	*46.91*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	334.14	77.38
		For Colored Vinyl, Add	*17.94*	
		For Tinted Glass, Add	*21.52*	
		For Low-E Insulated Glass, Add	*44.84*	
		For Obscure Glass, Add	*49.33*	
08 53 13 00-0452		60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	281.72	63.95
		For Colored Vinyl, Add	*15.48*	
		For Tinted Glass, Add	*18.57*	
		For Low-E Insulated Glass, Add	*38.69*	
		For Obscure Glass, Add	*42.56*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	299.72	69.51
		For Colored Vinyl, Add	*16.16*	
		For Tinted Glass, Add	*19.40*	
		For Low-E Insulated Glass, Add	*40.41*	
		For Obscure Glass, Add	*44.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	312.22	71.82
		For Colored Vinyl, Add	*16.86*	
		For Tinted Glass, Add	*20.23*	
		For Low-E Insulated Glass, Add	*42.14*	
		For Obscure Glass, Add	*46.36*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	324.71	74.61
		For Colored Vinyl, Add	*17.55*	
		For Tinted Glass, Add	*21.06*	
		For Low-E Insulated Glass, Add	*43.88*	
		For Obscure Glass, Add	*48.26*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	333.04	76.92
		For Colored Vinyl, Add	*18.01*	
		For Tinted Glass, Add	*21.61*	
		For Low-E Insulated Glass, Add	*45.03*	
		For Obscure Glass, Add	*49.53*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	349.69	80.16
		For Colored Vinyl, Add	*18.94*	
		For Tinted Glass, Add	*22.72*	
		For Low-E Insulated Glass, Add	*47.34*	
		For Obscure Glass, Add	*52.07*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	275.31	48.66
		For Colored Vinyl, Add	*17.80*	
		For Tinted Glass, Add	*21.36*	
		For Low-E Insulated Glass, Add	*44.50*	
		For Obscure Glass, Add	*48.95*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	302.42	53.29
		For Colored Vinyl, Add	*19.59*	
		For Tinted Glass, Add	*23.50*	
		For Low-E Insulated Glass, Add	*48.96*	
		For Obscure Glass, Add	*53.86*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	327.98	57.92
		For Colored Vinyl, Add	*21.21*	
		For Tinted Glass, Add	*25.46*	
		For Low-E Insulated Glass, Add	*53.03*	
		For Obscure Glass, Add	*58.34*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	347.55	62.56
		For Colored Vinyl, Add	*22.24*	
		For Tinted Glass, Add	*26.69*	
		For Low-E Insulated Glass, Add	*55.61*	
		For Obscure Glass, Add	*61.17*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	367.99	67.19
		For Colored Vinyl, Add	*23.36*	
		For Tinted Glass, Add	*28.03*	
		For Low-E Insulated Glass, Add	*58.40*	
		For Obscure Glass, Add	*64.24*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	398.49	71.82
		For Colored Vinyl, Add	*25.48*	
		For Tinted Glass, Add	*30.58*	
		For Low-E Insulated Glass, Add	*63.71*	
		For Obscure Glass, Add	*70.08*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	3.33	0.60
		For Colored Vinyl, Add	*0.21*	
		For Tinted Glass, Add	*0.25*	
		For Low-E Insulated Glass, Add	*0.53*	
		For Obscure Glass, Add	*0.58*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	168.53	37.07
		For Colored Vinyl, Add	*9.44*	
		For Tinted Glass, Add	*11.33*	
		For Low-E Insulated Glass, Add	*23.60*	
		For Obscure Glass, Add	*25.96*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	179.54	37.07
		For Colored Vinyl, Add	*10.54*	
		For Tinted Glass, Add	*12.65*	
		For Low-E Insulated Glass, Add	*26.35*	
		For Obscure Glass, Add	*28.99*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	185.83	37.07
		For Colored Vinyl, Add	*11.17*	
		For Tinted Glass, Add	*13.40*	
		For Low-E Insulated Glass, Add	*27.92*	
		For Obscure Glass, Add	*30.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0472		Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	206.00	36.15
		For Colored Vinyl, Add	*13.37*	
		For Tinted Glass, Add	*16.05*	
		For Low-E Insulated Glass, Add	*33.43*	
		For Obscure Glass, Add	*36.77*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	230.50	41.70
		For Colored Vinyl, Add	*14.71*	
		For Tinted Glass, Add	*17.65*	
		For Low-E Insulated Glass, Add	*36.77*	
		For Obscure Glass, Add	*40.45*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	3.88	0.60
		For Colored Vinyl, Add	*0.27*	
		For Tinted Glass, Add	*0.32*	
		For Low-E Insulated Glass, Add	*0.67*	
		For Obscure Glass, Add	*0.73*	
08 53 13 00-0476		Accessories For Vinyl Windows *(08 53 13)*		
08 53 13 00-0477		Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*		
08 53 13 00-0478		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*		
08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	22.02	
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	28.32	
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	36.47	
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	43.05	
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	52.91	
08 53 13 00-0484		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*		
08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	50.05	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	60.06	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	75.80	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	94.39	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	112.98	
08 53 66		**Vinyl Window Screens** *(08 53)*		
08 53 66 00-0001		Insect Screens For Vinyl Windows *(08 53 66)*		
08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	27.88	6.79
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	36.46	6.79
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	39.32	6.79
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	45.04	6.79
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	57.91	6.79
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	63.63	6.79
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	72.21	6.79
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	77.93	6.79
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	2.34	0.14
08 56		Special Function Windows *(08 50)*		
08 56 19		**Pass Windows** *(08 56)*		
08 56 19 00-0001		Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*		
		Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,757.83	511.84
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,016.99	554.49
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,181.80	597.15
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,959.01	682.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,409.93	1,023.67
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 49		**Radiation Shielding Windows** *(08 56)*		
08 56 49 00-0001		Lead Lined Window Frames *(08 56 49)*		
08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	31.44	6.95
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	35.12	6.95
08 56 56		**Security Window Screens** *(08 56)*		
		Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.		
08 56 56 00-0001		Wire Mesh Security Screen *(08 56 56)*		
08 56 56 00-0002		Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*		
08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	13.79	3.83
		For Painted Steel, Add	*0.87*	
		For Galvanized Steel, Add	*1.74*	
		For Aluminum, Add	*3.47*	
		For Stainless Steel, Add	*15.19*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	14.04	3.83
		For Painted Steel, Add	*0.89*	
		For Galvanized Steel, Add	*1.79*	
		For Aluminum, Add	*3.57*	
		For Stainless Steel, Add	*15.63*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	15.19	3.83
		For Painted Steel, Add	*1.01*	
		For Galvanized Steel, Add	*2.02*	
		For Aluminum, Add	*4.03*	
		For Stainless Steel, Add	*17.64*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	17.64	3.83
		For Painted Steel, Add	*1.25*	
		For Galvanized Steel, Add	*2.51*	
		For Aluminum, Add	*5.01*	
		For Stainless Steel, Add	*21.93*	
08 56 56 00-0007		Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*		
08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.19	4.69
		For Painted Steel, Add	*1.24*	
		For Galvanized Steel, Add	*2.47*	
		For Aluminum, Add	*4.95*	
		For Stainless Steel, Add	*21.65*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.57	4.69
		For Painted Steel, Add	*1.28*	
		For Galvanized Steel, Add	*2.55*	
		For Aluminum, Add	*5.10*	
		For Stainless Steel, Add	*22.31*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	21.21	4.69
		For Painted Steel, Add	*1.44*	
		For Galvanized Steel, Add	*2.88*	
		For Aluminum, Add	*5.76*	
		For Stainless Steel, Add	*25.18*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	24.65	4.69
		For Painted Steel, Add	*1.78*	
		For Galvanized Steel, Add	*3.57*	
		For Aluminum, Add	*7.13*	
		For Stainless Steel, Add	*31.20*	
08 56 56 00-0012		Wire Cloth Security Screen *(08 56 56)*		
		Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013		Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*		
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.45	2.56
		For Painted Steel, Add	*0.26*	
		For Galvanized Steel, Add	*0.78*	
		For Aluminum, Add	*1.55*	
		For Stainless Steel, Add	*6.48*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.80	2.56
		For Painted Steel, Add	*0.28*	
		For Galvanized Steel, Add	*0.83*	
		For Aluminum, Add	*1.66*	
		For Stainless Steel, Add	*6.91*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.35	2.56
		For Painted Steel, Add	*0.30*	
		For Galvanized Steel, Add	*0.91*	
		For Aluminum, Add	*1.82*	
		For Stainless Steel, Add	*7.60*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	11.39	2.56
		For Painted Steel, Add	*0.36*	
		For Galvanized Steel, Add	*1.07*	
		For Aluminum, Add	*2.14*	
		For Stainless Steel, Add	*8.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0018		**Wire Cloth, Operable, Security Window Screens** *(08 56 56 00-0012)*		
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	12.49	3.41
		For Painted Steel, Add	*0.37*	
		For Galvanized Steel, Add	*1.11*	
		For Aluminum, Add	*2.21*	
		For Stainless Steel, Add	*9.23*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.03	3.41
		For Painted Steel, Add	*0.40*	
		For Galvanized Steel, Add	*1.19*	
		For Aluminum, Add	*2.38*	
		For Stainless Steel, Add	*9.90*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.77	3.41
		For Painted Steel, Add	*0.43*	
		For Galvanized Steel, Add	*1.30*	
		For Aluminum, Add	*2.60*	
		For Stainless Steel, Add	*10.83*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	15.27	3.41
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.52*	
		For Aluminum, Add	*3.05*	
		For Stainless Steel, Add	*12.70*	
08 56 56 00-0023		**Expanded Metal Security Screen** *(08 56 56)*		
		Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024		**Expanded Metal, Inoperable, Security Screen** *(08 56 56 00-0023)*		
08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	17.79	6.40
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.52*	
		For Aluminum, Add	*3.03*	
		For Stainless Steel, Add	*12.64*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	20.93	7.68
		For Painted Steel, Add	*0.58*	
		For Galvanized Steel, Add	*1.73*	
		For Aluminum, Add	*3.47*	
		For Stainless Steel, Add	*14.44*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	23.69	9.38
		For Painted Steel, Add	*0.63*	
		For Galvanized Steel, Add	*1.89*	
		For Aluminum, Add	*3.78*	
		For Stainless Steel, Add	*15.75*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	28.04	11.09
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.16*	
		For Aluminum, Add	*4.32*	
		For Stainless Steel, Add	*17.99*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	26.14	10.66
		For Painted Steel, Add	*0.67*	
		For Galvanized Steel, Add	*2.00*	
		For Aluminum, Add	*4.01*	
		For Stainless Steel, Add	*16.69*	
08 56 56 00-0030	SF	3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	32.99	13.65
		For Painted Steel, Add	*0.84*	
		For Galvanized Steel, Add	*2.52*	
		For Aluminum, Add	*5.03*	
		For Stainless Steel, Add	*20.98*	
08 56 56 00-0031		**Expanded Metal, Operable, Security Screen** *(08 56 56 00-0023)*		
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	23.77	7.68
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.16*	
		For Aluminum, Add	*4.32*	
		For Stainless Steel, Add	*17.99*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	27.57	9.38
		For Painted Steel, Add	*0.82*	
		For Galvanized Steel, Add	*2.47*	
		For Aluminum, Add	*4.94*	
		For Stainless Steel, Add	*20.60*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	30.77	10.66
		For Painted Steel, Add	*0.90*	
		For Galvanized Steel, Add	*2.70*	
		For Aluminum, Add	*5.39*	
		For Stainless Steel, Add	*22.48*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	33.52	11.94
		For Painted Steel, Add	*0.95*	
		For Galvanized Steel, Add	*2.85*	
		For Aluminum, Add	*5.71*	
		For Stainless Steel, Add	*23.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	36.72	13.65
		For Painted Steel, Add	*1.03*	
		For Galvanized Steel, Add	*3.08*	
		For Aluminum, Add	*6.15*	
		For Stainless Steel, Add	*25.64*	
08 56 56 00-0037	SF	3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	41.82	14.93
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.59*	
		For Aluminum, Add	*7.17*	
		For Stainless Steel, Add	*29.88*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.17	3.83
		For Painted Steel, Add	*0.50*	
		For Galvanized Steel, Add	*1.51*	
		For Aluminum, Add	*3.02*	
		For Stainless Steel, Add	*10.06*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.57	3.83
		For Painted Steel, Add	*0.52*	
		For Galvanized Steel, Add	*1.57*	
		For Aluminum, Add	*3.14*	
		For Stainless Steel, Add	*10.46*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	16.91	3.83
		For Painted Steel, Add	*0.59*	
		For Galvanized Steel, Add	*1.77*	
		For Aluminum, Add	*3.54*	
		For Stainless Steel, Add	*11.80*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	19.45	3.83
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.15*	
		For Aluminum, Add	*4.30*	
		For Stainless Steel, Add	*14.34*	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	21.11	4.69
		For Painted Steel, Add	*0.71*	
		For Galvanized Steel, Add	*2.14*	
		For Aluminum, Add	*4.29*	
		For Stainless Steel, Add	*14.29*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	21.81	4.69
		For Painted Steel, Add	*0.75*	
		For Galvanized Steel, Add	*2.25*	
		For Aluminum, Add	*4.50*	
		For Stainless Steel, Add	*14.99*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	23.55	4.69
		For Painted Steel, Add	*0.84*	
		For Galvanized Steel, Add	*2.51*	
		For Aluminum, Add	*5.02*	
		For Stainless Steel, Add	*16.73*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	27.19	4.69
		For Painted Steel, Add	*1.02*	
		For Galvanized Steel, Add	*3.06*	
		For Aluminum, Add	*6.11*	
		For Stainless Steel, Add	*20.37*	

08 56 56 00-0049 Remove And Reinstall Security Screens And Guards *(08 56 56)*

08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	10.72	

08 60 Roof Windows And Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	311.61	155.80
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*31.16*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	319.40	159.70
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*31.94*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	894.02	163.59
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*32.72*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	334.98	167.49
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*33.50*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,002.15	171.39
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*34.28*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,043.48	175.28
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*35.06*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,084.82	179.18
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*35.84*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	366.14	183.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*36.61*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,192.94	186.96
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*37.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	381.72	190.86
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*38.17*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	389.51	194.75
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*38.95*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,343.56	198.65
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*39.73*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	405.09	202.55
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*40.51*	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,426.24	206.44
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*41.29*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,467.57	210.34
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*42.07*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	311.61	155.80
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*31.16*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,023.89	159.70
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*31.94*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	327.19	163.59
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*32.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	334.98	167.49
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*33.50*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,231.19	171.39
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*34.28*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	350.56	175.28
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*35.06*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	358.35	179.18
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*35.84*	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	366.14	183.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*36.61*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,496.03	186.96
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*37.39*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,553.56	190.86
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*38.17*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,611.09	194.75
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*38.95*	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,703.33	198.65
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*39.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	405.09	202.55
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*40.51*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,818.39	206.44
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*41.29*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	420.67	210.34
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*42.07*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	350.56	175.28
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*35.06*	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,354.35	179.18
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*35.84*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	366.14	183.07
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*36.61*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,514.53	186.96
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*37.39*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	381.72	190.86
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*38.17*	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	389.51	194.75
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*38.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,799.34	198.65
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*39.73*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,926.28	202.55
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*40.51*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,005.79	206.44
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*41.29*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	420.67	210.34
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*42.07*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,164.82	214.23
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*42.85*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	436.25	218.12
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*43.63*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	444.05	222.02
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*44.41*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	451.83	225.91
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*45.18*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	459.62	229.82
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*45.96*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0001		Aluminum Framed Skylights *(08 63 13)*		
08 63 13 00-0002		Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0003		Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0004		Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	298.09	77.91
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	454.07	87.64
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	512.87	97.38
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	439.03	87.64
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	533.69	97.38
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	539.48	97.38
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	593.66	107.11
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	253.18	126.59
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	578.62	107.11
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	688.33	116.85
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	253.18	126.59
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	401.04	77.91
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	471.42	87.64
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.02	97.38
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	527.91	97.38
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	559.14	97.38
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	615.64	107.11
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	253.18	126.59
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	563.77	97.38
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	620.27	107.11
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	714.94	116.85
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	809.60	126.59

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	404.51	77.91
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	511.91	87.64
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	511.91	87.64
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	630.68	107.11
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	577.65	97.38
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	638.78	107.11
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	701.06	116.85
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	368.65	77.91
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	424.18	77.91
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	498.03	87.64
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	590.38	97.38
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	595.00	97.38
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	656.13	107.11
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	719.57	116.85
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0081		Curb Top Inserts *(08 63 13 00-0003)* Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	77.91	38.95
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	87.64	43.82
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	269.55	58.43
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	107.11	53.56
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	301.94	58.43
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	77.91	38.95
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	254.22	43.82
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	434.97	58.43
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	107.11	53.56
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	116.85	58.43
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	77.91	38.95
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	87.64	43.82
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	116.85	58.43
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	589.50	53.56
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	116.85	58.43
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	277.26	77.91
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	327.01	77.91
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	590.38	97.38
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	320.07	77.91
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	494.36	97.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	395.07	87.64
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	508.24	97.38
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	494.36	97.38
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	253.18	126.59
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	253.18	126.59

08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	401.04	77.91
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	155.80	77.91
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	480.68	87.64
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	175.28	87.64
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	567.24	97.38
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	622.58	107.11
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	214.23	107.11
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85

08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	397.57	77.91
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	520.01	87.64
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	493.40	87.64
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	520.01	87.64
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	546.42	97.38
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	194.75	97.38
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	643.40	107.11
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	651.50	107.11
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	714.94	116.85
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)* Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,479.58	116.85
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,662.36	116.85
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,179.45	116.85
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,672.77	116.85
08 63 13 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	233.71	116.85
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,293.97	116.85

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) *(08 66)*

08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	447.69	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*54.00*	
		For Aluminum Shingle Flashing, Add	*43.20*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	456.51	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*56.21*	
		For Aluminum Shingle Flashing, Add	*44.96*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	435.57	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*50.97*	
		For Aluminum Shingle Flashing, Add	*40.78*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	463.12	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*57.86*	
		For Aluminum Shingle Flashing, Add	*46.29*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	486.27	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*63.65*	
		For Aluminum Shingle Flashing, Add	*50.92*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	523.74	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*73.01*	
		For Aluminum Shingle Flashing, Add	*58.41*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	571.13	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*84.86*	
		For Aluminum Shingle Flashing, Add	*67.89*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	435.57	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*50.97*	
		For Aluminum Shingle Flashing, Add	*40.78*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	491.78	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*65.02*	
		For Aluminum Shingle Flashing, Add	*52.02*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	523.74	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*73.01*	
		For Aluminum Shingle Flashing, Add	*58.41*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	560.11	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*82.11*	
		For Aluminum Shingle Flashing, Add	*65.68*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	608.60	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*94.23*	
		For Aluminum Shingle Flashing, Add	*75.38*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	447.69	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*54.00*	
		For Aluminum Shingle Flashing, Add	*43.20*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	463.12	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*57.86*	
		For Aluminum Shingle Flashing, Add	*46.29*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	491.78	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*65.02*	
		For Aluminum Shingle Flashing, Add	*52.02*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	593.17	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*90.37*	
		For Aluminum Shingle Flashing, Add	*72.30*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	456.51	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*56.21*	
		For Aluminum Shingle Flashing, Add	*44.96*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	486.27	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*63.65*	
		For Aluminum Shingle Flashing, Add	*50.92*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	523.74	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*73.01*	
		For Aluminum Shingle Flashing, Add	*58.41*	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	593.17	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*90.37*	
		For Aluminum Shingle Flashing, Add	*72.30*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	523.74	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*73.01*	
		For Aluminum Shingle Flashing, Add	*58.41*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	560.11	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*82.11*	
		For Aluminum Shingle Flashing, Add	*65.68*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	571.13	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*84.86*	
		For Aluminum Shingle Flashing, Add	*67.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	608.60	115.85
		For Tempered Laminated Low-E Insulated Glass, Add	*94.23*	
		For Aluminum Shingle Flashing, Add	*75.38*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount ADA Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,299.39
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount ADA Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,299.39

08 71 23 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0041 for removal and reinstallation of exisiting door where required for modifications.

08 71 23 00-0001 Hinges *(08 71 23)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 23 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 23 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 23 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 23 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 23 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	64.47	6.49
		For Clear Coated Bright Brass, Add	*4.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	70.64	9.26
		For Clear Coated Bright Brass, Add	*4.70*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	81.03	10.20
		For Clear Coated Bright Brass, Add	*3.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 23 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 23 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 23 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	73.67	6.49
		For Clear Coated Bright Brass, Add	*5.42*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	85.04	9.26
		For Clear Coated Bright Brass, Add	*5.42*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	87.15	10.20
		For Clear Coated Bright Brass, Add	*4.79*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	101.80	12.05
		For Clear Coated Bright Brass, Add	*5.60*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	102.40	12.05
		For Clear Coated Bright Brass, Add	*5.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	109.37	15.48
		For Clear Coated Bright Brass, Add	*6.66*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 23 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 23 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 23 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	82.99	6.49
08 71 23 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	94.36	9.26
08 71 23 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	97.30	10.20
08 71 23 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	112.98	12.05

08 71 23 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 23 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 23 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.04	10.20
		For Clear Coated Bright Brass, Add	*15.27*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	182.85	12.05
		For Clear Coated Bright Brass, Add	*16.95*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	93.38	12.05
		For Clear Coated Bright Brass, Add	*4.42*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0023		**Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 23 00-0002)*		
		Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 23 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	148.09	10.20
		For Clear Coated Bright Brass, Add	*13.32*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	174.70	12.05
		For Clear Coated Bright Brass, Add	*15.81*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0026		**Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge** *(08 71 23 00-0002)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 23 00-0027	PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	106.97	10.20
		For Clear Coated Bright Brass, Add	*7.56*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0028	PR	5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	123.71	15.48
		For Clear Coated Bright Brass, Add	*8.67*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0029	PR	6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	166.72	15.48
		For Clear Coated Bright Brass, Add	*14.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0030		**Mortised, Wrought Steel Hinges** *(08 71 23 00-0001)*		
		Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 23 00-0031		**Full Mortise, Plain Bearing, Wrought Steel Hinges** *(08 71 23 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 23 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	43.35	6.49
		For Primed For Paint Finish, Deduct	*-1.68*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.05*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.01*	
		For Stainless Steel, Add	*4.61*	
		For Heavy Duty, Add	*1.26*	
		For Extra Heavy Duty, Add	*3.35*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	55.59	9.26
		For Primed For Paint Finish, Deduct	*-1.85*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.16*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.11*	
		For Stainless Steel, Add	*5.09*	
		For Heavy Duty, Add	*1.39*	
		For Extra Heavy Duty, Add	*3.70*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	64.22	10.20
		For Primed For Paint Finish, Deduct	*-2.25*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.41*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.35*	
		For Stainless Steel, Add	*6.20*	
		For Heavy Duty, Add	*1.69*	
		For Extra Heavy Duty, Add	*4.51*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0035		**Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 23 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 23 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	65.51	6.49
		For Primed For Paint Finish, Deduct	*-6.11*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.82*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.66*	
		For Stainless Steel, Add	*16.80*	
		For Heavy Duty, Add	*4.58*	
		For Extra Heavy Duty, Add	*12.22*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	80.92	9.26
		For Primed For Paint Finish, Deduct	*-6.92*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.32*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.15*	
		For Stainless Steel, Add	*19.02*	
		For Heavy Duty, Add	*5.19*	
		For Extra Heavy Duty, Add	*13.83*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0038 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	77.44	10.20
For Primed For Paint Finish, Deduct	*-4.90*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.06*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-2.94*	
For Stainless Steel, Add	*13.47*	
For Heavy Duty, Add	*3.67*	
For Extra Heavy Duty, Add	*9.80*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0039 PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	112.34	12.05
For Primed For Paint Finish, Deduct	*-10.11*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.32*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-6.07*	
For Stainless Steel, Add	*27.81*	
For Heavy Duty, Add	*7.58*	
For Extra Heavy Duty, Add	*20.22*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0040 PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	119.48	12.05
For Primed For Paint Finish, Deduct	*-11.54*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.21*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-6.92*	
For Stainless Steel, Add	*31.74*	
For Heavy Duty, Add	*8.66*	
For Extra Heavy Duty, Add	*23.08*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	141.23	12.05
For Primed For Paint Finish, Deduct	*-15.89*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.93*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-9.53*	
For Stainless Steel, Add	*43.70*	
For Heavy Duty, Add	*11.92*	
For Extra Heavy Duty, Add	*31.78*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 23 00-0030)*		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 23 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	78.31	6.49
For Primed For Paint Finish, Deduct	*-8.67*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.42*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-5.20*	
For Stainless Steel, Add	*23.84*	
For Heavy Duty, Add	*6.50*	
For Extra Heavy Duty, Add	*17.34*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	95.46	9.26
For Primed For Paint Finish, Deduct	*-9.82*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.14*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-5.89*	
For Stainless Steel, Add	*27.02*	
For Heavy Duty, Add	*7.37*	
For Extra Heavy Duty, Add	*19.65*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	107.85	10.20
For Primed For Paint Finish, Deduct	*-10.98*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.86*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-6.59*	
For Stainless Steel, Add	*30.20*	
For Heavy Duty, Add	*8.24*	
For Extra Heavy Duty, Add	*21.96*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	122.45	12.05
For Primed For Paint Finish, Deduct	*-12.13*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.58*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-7.28*	
For Stainless Steel, Add	*33.37*	
For Heavy Duty, Add	*9.10*	
For Extra Heavy Duty, Add	*24.27*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 23 00-0030)*		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 23 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	108.46	10.20
For Primed For Paint Finish, Deduct	*-12.42*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.77*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-7.45*	
For Stainless Steel, Add	*34.17*	
For Heavy Duty, Add	*9.32*	
For Extra Heavy Duty, Add	*24.85*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	121.69	10.20
		For Primed For Paint Finish, Deduct	*-13.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.59*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.25*	
		For Stainless Steel, Add	*37.81*	
		For Heavy Duty, Add	*10.31*	
		For Extra Heavy Duty, Add	*27.50*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	141.23	12.05
		For Primed For Paint Finish, Deduct	*-15.89*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.93*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.53*	
		For Stainless Steel, Add	*43.70*	
		For Heavy Duty, Add	*11.92*	
		For Extra Heavy Duty, Add	*31.78*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0051		**Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 23 00-0030)*		
		Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 23 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	78.23	10.20
		For Primed For Paint Finish, Deduct	*-5.06*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.16*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.03*	
		For Stainless Steel, Add	*13.90*	
		For Heavy Duty, Add	*3.79*	
		For Extra Heavy Duty, Add	*10.11*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0053		**Blank Butt Hinges** *(08 71 23 00-0030)*		
08 71 23 00-0054	PR	3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge	19.79	4.17
		For Primed For Paint Finish, Deduct	*-0.64*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*0.40*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.39*	
		For Stainless Steel, Add	*1.77*	
		For Heavy Duty, Add	*0.48*	
		For Extra Heavy Duty, Add	*1.29*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 23 00-0055		**Full Mortise, Single Acting Spring, Wrought Steel Hinges** *(08 71 23 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 23 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	59.12	6.49
		For Primed For Paint Finish, Deduct	*-4.83*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.02*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.90*	
		For Stainless Steel, Add	*13.28*	
08 71 23 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	77.93	9.26
		For Primed For Paint Finish, Deduct	*-6.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.95*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.79*	
		For Stainless Steel, Add	*17.37*	
08 71 23 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	99.41	10.20
		For Primed For Paint Finish, Deduct	*-9.29*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.81*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.58*	
		For Stainless Steel, Add	*25.55*	
08 71 23 00-0059		**Offset And Pivot Hinges** *(08 71 23 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 23 00-0060		**Offset Swing Clear Hinges** *(08 71 23 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 23 00-0061	EA	4-1/2", Swing Clear, Offset Hinges	76.77	2.89
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*12.39*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*19.95*	
08 71 23 00-0062		**Offset Pivot Hinges** *(08 71 23 00-0059)*		
08 71 23 00-0063		**3/4" Offset Pivot Hinges** *(08 71 23 00-0062)*		
08 71 23 00-0064		**3/4" Offset Pivot Hinges** *(08 71 23 00-0063)*		
08 71 23 00-0065		**Top Mount, 3/4" Offset Pivot Hinges** *(08 71 23 00-0064)*		
08 71 23 00-0066		**200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 23 00-0065)*		
08 71 23 00-0067	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	101.23	9.26
08 71 23 00-0068	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	135.06	9.26
08 71 23 00-0069	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	153.86	9.26
08 71 23 00-0070	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	153.86	9.26
08 71 23 00-0071	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	153.86	9.26
08 71 23 00-0072	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	153.86	9.26
08 71 23 00-0073	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	153.86	9.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0074	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	111.00	9.26
08 71 23 00-0075	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	140.33	9.26
08 71 23 00-0076	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.87	9.26
08 71 23 00-0077	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.87	9.26
08 71 23 00-0078	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.87	9.26
08 71 23 00-0079	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.87	9.26
08 71 23 00-0080	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.87	9.26
08 71 23 00-0081	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	101.23	9.26
08 71 23 00-0082	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	135.06	9.26
08 71 23 00-0083	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	153.86	9.26
08 71 23 00-0084	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	153.86	9.26
08 71 23 00-0085	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	153.86	9.26
08 71 23 00-0086	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	153.86	9.26
08 71 23 00-0087	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	153.86	9.26
08 71 23 00-0088		500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0065)*		
08 71 23 00-0089	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	105.86	11.59
08 71 23 00-0090	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	139.69	11.59
08 71 23 00-0091	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	158.49	11.59
08 71 23 00-0092	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	158.49	11.59
08 71 23 00-0093	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	158.49	11.59
08 71 23 00-0094	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	158.49	11.59
08 71 23 00-0095	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	158.49	11.59
08 71 23 00-0096		600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0065)*		
08 71 23 00-0097	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	105.86	11.59
08 71 23 00-0098	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	139.69	11.59
08 71 23 00-0099	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	158.49	11.59
08 71 23 00-0100	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	158.49	11.59
08 71 23 00-0101	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	158.49	11.59
08 71 23 00-0102	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	158.49	11.59
08 71 23 00-0103	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	158.49	11.59
08 71 23 00-0104		700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0065)*		
08 71 23 00-0105	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	105.86	11.59
08 71 23 00-0106	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	139.69	11.59
08 71 23 00-0107	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	158.49	11.59
08 71 23 00-0108	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	158.49	11.59
08 71 23 00-0109	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	158.49	11.59
08 71 23 00-0110	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	158.49	11.59
08 71 23 00-0111	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	158.49	11.59
08 71 23 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0064)*		
08 71 23 00-0113		200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0112)*		
08 71 23 00-0114	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	125.28	9.26
08 71 23 00-0115	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	153.86	9.26
08 71 23 00-0116	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	174.15	9.26
08 71 23 00-0117	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	174.15	9.26
08 71 23 00-0118	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	174.15	9.26
08 71 23 00-0119	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	174.15	9.26
08 71 23 00-0120	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	174.15	9.26
08 71 23 00-0121		500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0112)*		
08 71 23 00-0122	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	139.69	11.59
08 71 23 00-0123	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	148.71	11.59
08 71 23 00-0124	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	164.50	11.59
08 71 23 00-0125	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	164.50	11.59
08 71 23 00-0126	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	164.50	11.59
08 71 23 00-0127	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	164.50	11.59
08 71 23 00-0128	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	164.50	11.59
08 71 23 00-0129		600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0112)*		
08 71 23 00-0130	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	139.69	11.59
08 71 23 00-0131	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	148.71	11.59
08 71 23 00-0132	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	164.50	11.59

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0133	EA	Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	164.50	11.59
08 71 23 00-0134	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	164.50	11.59
08 71 23 00-0135	EA	Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	164.50	11.59
08 71 23 00-0136	EA	Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	164.50	11.59
08 71 23 00-0137		700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0112)*		
08 71 23 00-0138	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	139.69	11.59
08 71 23 00-0139	EA	Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	148.71	11.59
08 71 23 00-0140	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	164.50	11.59
08 71 23 00-0141	EA	Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	164.50	11.59
08 71 23 00-0142	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	164.50	11.59
08 71 23 00-0143	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	164.50	11.59
08 71 23 00-0144	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	164.50	11.59
08 71 23 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0064)*		
08 71 23 00-0146		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0145)*		
08 71 23 00-0147	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	111.00	9.26
08 71 23 00-0148	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	140.33	9.26
08 71 23 00-0149	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.87	9.26
08 71 23 00-0150	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.87	9.26
08 71 23 00-0151	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.87	9.26
08 71 23 00-0152	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.87	9.26
08 71 23 00-0153	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.87	9.26
08 71 23 00-0154	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	111.00	9.26
08 71 23 00-0155	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	140.33	9.26
08 71 23 00-0156	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.87	9.26
08 71 23 00-0157	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.87	9.26
08 71 23 00-0158	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.87	9.26
08 71 23 00-0159	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.87	9.26
08 71 23 00-0160	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.87	9.26
08 71 23 00-0161	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	96.72	9.26
08 71 23 00-0162	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	130.56	9.26
08 71 23 00-0163	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	150.09	9.26
08 71 23 00-0164	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	150.09	9.26
08 71 23 00-0165	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	150.09	9.26
08 71 23 00-0166	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	150.09	9.26
08 71 23 00-0167	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	150.09	9.26
08 71 23 00-0168		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0145)*		
08 71 23 00-0169	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	168.26	11.59
08 71 23 00-0170	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	178.78	11.59
08 71 23 00-0171	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	178.78	11.59
08 71 23 00-0172	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	178.78	11.59
08 71 23 00-0173	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	178.78	11.59
08 71 23 00-0174	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	178.78	11.59
08 71 23 00-0175	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	181.79	11.59
08 71 23 00-0176		600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0145)*		
08 71 23 00-0177	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	144.96	11.59
08 71 23 00-0178	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	158.49	11.59
08 71 23 00-0179	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	168.26	11.59
08 71 23 00-0180	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	168.26	11.59
08 71 23 00-0181	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	168.26	11.59
08 71 23 00-0182	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	168.26	11.59
08 71 23 00-0183	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	168.26	11.59
08 71 23 00-0184		700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0145)*		
08 71 23 00-0185	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	328.38	11.59
08 71 23 00-0186	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	352.43	11.59
08 71 23 00-0187	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	390.78	11.59
08 71 23 00-0188	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	390.78	11.59
08 71 23 00-0189	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	390.78	11.59
08 71 23 00-0190	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	390.78	11.59
08 71 23 00-0191	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	390.78	11.59
08 71 23 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0063)*		
08 71 23 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0192)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0194		500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0193)*		
08 71 23 00-0195	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	196.84	11.59
08 71 23 00-0196	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	232.15	11.59
08 71 23 00-0197	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	260.73	11.59
08 71 23 00-0198	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	260.73	11.59
08 71 23 00-0199	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	260.73	11.59
08 71 23 00-0200		600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0193)*		
08 71 23 00-0201	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	196.84	11.59
08 71 23 00-0202	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	232.15	11.59
08 71 23 00-0203	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	260.73	11.59
08 71 23 00-0204	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	260.73	11.59
08 71 23 00-0205	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	260.73	11.59
08 71 23 00-0206		700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0193)*		
08 71 23 00-0207	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	196.84	11.59
08 71 23 00-0208	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	232.15	11.59
08 71 23 00-0209	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	260.73	11.59
08 71 23 00-0210	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	260.73	11.59
08 71 23 00-0211	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	260.73	11.59
08 71 23 00-0212		1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0193)*		
08 71 23 00-0213	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	207.47	13.90
08 71 23 00-0214	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	236.78	13.90
08 71 23 00-0215	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	250.32	13.90
08 71 23 00-0216	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	250.32	13.90
08 71 23 00-0217	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	250.32	13.90
08 71 23 00-0218		1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0193)*		
08 71 23 00-0219	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	207.47	13.90
08 71 23 00-0220	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	236.78	13.90
08 71 23 00-0221	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	250.32	13.90
08 71 23 00-0222	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	250.32	13.90
08 71 23 00-0223	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	250.32	13.90
08 71 23 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0192)*		
08 71 23 00-0225		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0224)*		
08 71 23 00-0226	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	202.84	11.59
08 71 23 00-0227	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	235.91	11.59
08 71 23 00-0228	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	245.69	11.59
08 71 23 00-0229	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	245.69	11.59

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0230	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	245.69	11.59
08 71 23 00-0231		600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0224)*		
08 71 23 00-0232	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	202.84	11.59
08 71 23 00-0233	EA	Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	235.91	11.59
08 71 23 00-0234	EA	Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	245.69	11.59
08 71 23 00-0235	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	245.69	11.59
08 71 23 00-0236	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	245.69	11.59
08 71 23 00-0237		700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0224)*		
08 71 23 00-0238	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	202.84	11.59
08 71 23 00-0239	EA	Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	235.91	11.59
08 71 23 00-0240	EA	Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	245.69	11.59
08 71 23 00-0241	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	245.69	11.59
08 71 23 00-0242	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	245.69	11.59
08 71 23 00-0243		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0224)*		
08 71 23 00-0244	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	227.02	13.90
08 71 23 00-0245	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	260.84	13.90
08 71 23 00-0246	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	269.86	13.90
08 71 23 00-0247	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	269.86	13.90
08 71 23 00-0248	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	269.86	13.90
08 71 23 00-0249		1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0224)*		
08 71 23 00-0250	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	227.02	13.90
08 71 23 00-0251	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	260.84	13.90
08 71 23 00-0252	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	269.86	13.90
08 71 23 00-0253	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	269.86	13.90
08 71 23 00-0254	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	269.86	13.90
08 71 23 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0192)*		
08 71 23 00-0256		500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0255)*		
08 71 23 00-0257	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	226.15	11.59
08 71 23 00-0258	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	279.52	11.59
08 71 23 00-0259	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	299.82	11.59
08 71 23 00-0260	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	299.82	11.59
08 71 23 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	299.82	11.59
08 71 23 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0255)*		
08 71 23 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	222.39	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	235.91	11.59
08 71 23 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	270.50	11.59
08 71 23 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	270.50	11.59
08 71 23 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	270.50	11.59
08 71 23 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0255)*		
08 71 23 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	255.58	13.90
08 71 23 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	284.15	13.90
08 71 23 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	294.67	13.90
08 71 23 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	294.67	13.90
08 71 23 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	294.67	13.90
08 71 23 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 23 00-0255)*		
08 71 23 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	361.58	13.90
08 71 23 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	385.64	13.90
08 71 23 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	395.41	13.90
08 71 23 00-0278	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	395.41	13.90
08 71 23 00-0279	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	395.41	13.90
08 71 23 00-0280		1-1/2" Offset Pivot Hinges *(08 71 23 00-0062)*		
08 71 23 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0280)*		
08 71 23 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0281)*		
08 71 23 00-0283		400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0282)*		
08 71 23 00-0284	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	232.15	11.59
08 71 23 00-0285	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	250.95	11.59
08 71 23 00-0286	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	265.23	11.59
08 71 23 00-0287	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	265.23	11.59
08 71 23 00-0288	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	265.23	11.59
08 71 23 00-0289		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0282)*		
08 71 23 00-0290	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	232.15	11.59
08 71 23 00-0291	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	250.95	11.59
08 71 23 00-0292	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	265.23	11.59
08 71 23 00-0293	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	265.23	11.59
08 71 23 00-0294	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	265.23	11.59
08 71 23 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0281)*		
08 71 23 00-0296		400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0295)*		
08 71 23 00-0297	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	241.17	11.59
08 71 23 00-0298	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	270.50	11.59
08 71 23 00-0299	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	284.78	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0300	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	284.78	11.59
08 71 23 00-0301	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	284.78	11.59
08 71 23 00-0302		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0295)*		
08 71 23 00-0303	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	241.17	11.59
08 71 23 00-0304	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	270.50	11.59
08 71 23 00-0305	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	284.78	11.59
08 71 23 00-0306	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	284.78	11.59
08 71 23 00-0307	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	284.78	11.59
08 71 23 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0281)*		
08 71 23 00-0309		400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0308)*		
08 71 23 00-0310	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	235.91	11.59
08 71 23 00-0311	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	270.50	11.59
08 71 23 00-0312	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	284.78	11.59
08 71 23 00-0313	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	284.78	11.59
08 71 23 00-0314	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	284.78	11.59
08 71 23 00-0315		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 23 00-0308)*		
08 71 23 00-0316	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	381.01	11.59
08 71 23 00-0317	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	420.10	11.59
08 71 23 00-0318	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	429.88	11.59
08 71 23 00-0319	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	429.88	11.59
08 71 23 00-0320	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	429.88	11.59
08 71 23 00-0321		Center Hung Pivot Hinges *(08 71 23 00-0059)*		
08 71 23 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 23 00-0321)*		
08 71 23 00-0323		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 23 00-0322)*		
08 71 23 00-0324	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	120.78	9.26
08 71 23 00-0325	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0326	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0327	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0328	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0329	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0330	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	130.56	9.26
08 71 23 00-0331		500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 23 00-0322)*		
08 71 23 00-0332	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	125.41	11.59
08 71 23 00-0333	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0334	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0335	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0336	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0337	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0338	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	135.19	11.59
08 71 23 00-0339		600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 23 00-0322)*		
08 71 23 00-0340	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	125.41	11.59
08 71 23 00-0341	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59
08 71 23 00-0342	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59
08 71 23 00-0343	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59
08 71 23 00-0344	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59
08 71 23 00-0345	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0346	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	135.19	11.59
08 71 23 00-0347		1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 23 00-0322)*		
08 71 23 00-0348	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	197.69	13.90
08 71 23 00-0349	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	230.78	13.90
08 71 23 00-0350	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	265.36	13.90
08 71 23 00-0351	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	265.36	13.90
08 71 23 00-0352	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	265.36	13.90
08 71 23 00-0353	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	265.36	13.90
08 71 23 00-0354	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	265.36	13.90
08 71 23 00-0355		Bottom Mount, Center Hung Pivot Hinges *(08 71 23 00-0321)*		
08 71 23 00-0356		300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 23 00-0355)*		
08 71 23 00-0357	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	92.20	9.26
08 71 23 00-0358	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	106.50	9.26
08 71 23 00-0359	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	120.78	9.26
08 71 23 00-0360	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	120.78	9.26
08 71 23 00-0361	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	120.78	9.26
08 71 23 00-0362	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	120.78	9.26
08 71 23 00-0363	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	120.78	9.26
08 71 23 00-0364		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 23 00-0355)*		
08 71 23 00-0365	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	135.19	11.59
08 71 23 00-0366	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0367	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0368	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0369	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0370	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0371	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	139.69	11.59
08 71 23 00-0372	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	135.19	11.59
08 71 23 00-0373	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0374	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0375	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0376	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0377	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0378	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	139.69	11.59
08 71 23 00-0379		600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 23 00-0355)*		
08 71 23 00-0380	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	270.50	11.59
08 71 23 00-0381	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	284.78	11.59
08 71 23 00-0382	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	299.82	11.59
08 71 23 00-0383	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	299.82	11.59
08 71 23 00-0384	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	299.82	11.59
08 71 23 00-0385	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	299.82	11.59
08 71 23 00-0386	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	299.82	11.59
08 71 23 00-0387		1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 23 00-0355)*		
08 71 23 00-0388	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	496.90	13.90
08 71 23 00-0389	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	511.18	13.90
08 71 23 00-0390	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	530.73	13.90
08 71 23 00-0391	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	530.73	13.90

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0392	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	530.73	13.90
08 71 23 00-0393	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	530.73	13.90
08 71 23 00-0394	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	530.73	13.90
08 71 23 00-0395		**Continuous Steel Hinges** *(08 71 23 00-0001)*		
08 71 23 00-0396	LF	1-1/2" Wide, Continuous Steel Hinge	18.32	3.71
		For Stainless Steel, Add	*1.92*	
		For Brass Or Nickel, Add	*2.09*	
		For Aluminum, Add	*0.68*	
		For Medium Gauge, Deduct	*-0.70*	
08 71 23 00-0397	LF	2" Wide, Continuous Steel Hinge	18.55	3.71
		For Stainless Steel, Add	*2.05*	
		For Brass Or Nickel, Add	*2.23*	
		For Aluminum, Add	*0.73*	
		For Medium Gauge, Deduct	*-0.74*	
08 71 23 00-0398	LF	2-1/2" Wide, Continuous Steel Hinge	19.02	3.71
		For Stainless Steel, Add	*2.30*	
		For Brass Or Nickel, Add	*2.51*	
		For Aluminum, Add	*0.82*	
		For Medium Gauge, Deduct	*-0.84*	
08 71 23 00-0399	LF	3" Wide, Continuous Steel Hinge	19.54	3.71
		For Stainless Steel, Add	*2.59*	
		For Brass Or Nickel, Add	*2.83*	
		For Aluminum, Add	*0.92*	
		For Medium Gauge, Deduct	*-0.94*	
08 71 23 00-0400		**Continuous Geared Hinges** *(08 71 23 00-0001)*		
08 71 23 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	38.28	3.71
		For Bronze Finish, Add	*8.79*	
		For Heavy Duty, Add	*6.27*	
08 71 23 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	41.02	3.71
		For Bronze Finish, Add	*9.82*	
		For Heavy Duty, Add	*7.00*	
08 71 23 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	27.29	3.71
		For Bronze Finish, Add	*4.67*	
08 71 23 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)	31.26	3.71
		For Bronze Finish, Add	*6.16*	
08 71 23 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 23 00-0001)*		
08 71 23 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	98.63	6.49
		For Satin Brass, Add	*15.89*	
08 71 23 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	107.92	8.34
		For Satin Brass, Add	*15.89*	
08 71 23 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	120.80	10.20
		For Satin Brass, Add	*16.76*	
08 71 23 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	156.85	12.05
		For Satin Brass, Add	*23.19*	
08 71 23 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	175.91	13.90
		For Satin Brass, Add	*25.54*	
08 71 23 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	210.57	15.75
		For Satin Brass, Add	*31.63*	
08 71 23 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	281.90	44.02
		For Satin Brass, Add	*46.52*	
08 71 23 00-0413		**Security Hinges** *(08 71 23 00-0001)*		
08 71 23 00-0414	EA	4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	32.04	6.49
08 71 23 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 23 00-0001)* Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 23 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	167.99	
08 71 23 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	198.34	
08 71 23 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	228.69	
08 71 23 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 23 00-0001)*		
08 71 23 00-0420	PR	Hinge Filler Plates For Door Frames	14.76	4.64
08 71 23 00-0421		**Door Trim** *(08 71 23)*		
08 71 23 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 23 00-0421)*		
08 71 23 00-0423		**Floor Stops** *(08 71 23 00-0422)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0424		**Aluminum Floor Stops** *(08 71 23 00-0423)*		
08 71 23 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	25.08	11.59
08 71 23 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	26.98	11.59
08 71 23 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	27.70	11.59
08 71 23 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	38.72	11.59
08 71 23 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	40.04	11.59
08 71 23 00-0430		**Brass Floor Stops** *(08 71 23 00-0423)*		
08 71 23 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	27.24	11.59
08 71 23 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	27.97	11.59
08 71 23 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	27.97	11.59
08 71 23 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	28.25	11.59
08 71 23 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	28.62	11.59
08 71 23 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	28.62	11.59
08 71 23 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	28.62	11.59
08 71 23 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	27.70	11.59
08 71 23 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	28.80	11.59
08 71 23 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	28.80	11.59
08 71 23 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	29.23	11.59
08 71 23 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	29.60	11.59
08 71 23 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	29.60	11.59
08 71 23 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	31.33	11.59
08 71 23 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	28.87	11.59
08 71 23 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	28.87	11.59
08 71 23 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	30.07	11.59
08 71 23 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	30.07	11.59
08 71 23 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	30.07	11.59
08 71 23 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	30.07	11.59
08 71 23 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	29.70	11.59
08 71 23 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	29.70	11.59
08 71 23 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	30.87	11.59
08 71 23 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	30.87	11.59
08 71 23 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	30.87	11.59
08 71 23 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	30.87	11.59
08 71 23 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	39.79	11.59
08 71 23 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	40.31	11.59
08 71 23 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	41.57	11.59
08 71 23 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	42.59	11.59
08 71 23 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	42.59	11.59
08 71 23 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	46.75	11.59
08 71 23 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	46.75	11.59
08 71 23 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	45.21	11.59
08 71 23 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	45.95	11.59
08 71 23 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	45.95	11.59
08 71 23 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	45.95	11.59
08 71 23 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	45.95	11.59
08 71 23 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	51.66	11.59
08 71 23 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	51.66	11.59
08 71 23 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	33.58	11.59
08 71 23 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	34.53	11.59
08 71 23 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	36.68	11.59
08 71 23 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	36.68	11.59
08 71 23 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	36.68	11.59
08 71 23 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	37.32	11.59
08 71 23 00-0477		**Steel Floor Stops** *(08 71 23 00-0423)*		
08 71 23 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	29.88	11.59
08 71 23 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	65.16	11.59
08 71 23 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	68.17	11.59
08 71 23 00-0481		**Wall Stops** *(08 71 23 00-0422)*		
08 71 23 00-0482		**Aluminum Wall Stops** *(08 71 23 00-0481)*		
08 71 23 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	11.88	4.64
08 71 23 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	17.46	6.95
08 71 23 00-0485		**Brass Wall Stops** *(08 71 23 00-0481)*		
08 71 23 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	18.34	4.64
08 71 23 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	18.34	4.64
08 71 23 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	18.34	4.64
08 71 23 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	21.15	4.64
08 71 23 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	21.42	4.64
08 71 23 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	21.42	4.64
08 71 23 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	21.42	4.64

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	47.47	6.95
08 71 23 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	48.46	6.95
08 71 23 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	48.46	6.95
08 71 23 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	48.46	6.95
08 71 23 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	48.46	6.95
08 71 23 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	48.46	6.95
08 71 23 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	40.47	6.95
08 71 23 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	45.84	6.95
08 71 23 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	45.84	6.95
08 71 23 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	45.84	6.95
08 71 23 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	45.84	6.95
08 71 23 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	47.11	6.95
08 71 23 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	47.11	6.95
08 71 23 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	73.60	6.95
08 71 23 00-0507		Steel Wall Stops *(08 71 23 00-0481)*		
08 71 23 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	9.81	4.64
08 71 23 00-0509		Hinge Pin Door Stops *(08 71 23 00-0422)*		
08 71 23 00-0510		Aluminum Hinge Pin Door Stops *(08 71 23 00-0509)*		
08 71 23 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	20.17	9.26
08 71 23 00-0512		Brass Hinge Pin Door Stops *(08 71 23 00-0509)*		
08 71 23 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	20.48	9.26
08 71 23 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	22.44	9.26
08 71 23 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	27.15	9.26
08 71 23 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	27.15	9.26
08 71 23 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	27.15	9.26
08 71 23 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	29.35	9.26
08 71 23 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	29.35	9.26
08 71 23 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	29.35	9.26
08 71 23 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	29.35	9.26
08 71 23 00-0522		Wall Bumpers *(08 71 23 00-0422)*		
08 71 23 00-0523		Brass Wall Bumpers *(08 71 23 00-0522)*		
08 71 23 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.25	11.59
08 71 23 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.25	11.59
08 71 23 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.25	11.59
08 71 23 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.52	11.59
08 71 23 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.52	11.59
08 71 23 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.52	11.59
08 71 23 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	26.52	11.59
08 71 23 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	35.58	11.59
08 71 23 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.04	11.59
08 71 23 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.04	11.59
08 71 23 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.04	11.59
08 71 23 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.04	11.59
08 71 23 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.04	11.59
08 71 23 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	38.59	11.59
08 71 23 00-0538		Rubber Wall Bumpers *(08 71 23 00-0522)*		
08 71 23 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	25.27	11.59
08 71 23 00-0540		Holders *(08 71 23 00-0421)*		
08 71 23 00-0541		Plunger Type Door Holders *(08 71 23 00-0540)*		
08 71 23 00-0542		Aluminum Plunger Type Door Holders *(08 71 23 00-0541)*		
08 71 23 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	49.91	6.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0544		**Brass Plunger Type Door Holders** *(08 71 23 00-0541)*		
08 71 23 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	78.86	6.95
08 71 23 00-0552		**Kick Down Door Holders** *(08 71 23 00-0540)*		
08 71 23 00-0553		**Aluminum Kick Down Door Holders** *(08 71 23 00-0552)*		
08 71 23 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	19.78	6.95
08 71 23 00-0555		**Brass Kick Down Door Holders** *(08 71 23 00-0552)*		
08 71 23 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	37.78	6.95
08 71 23 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	37.78	6.95
08 71 23 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	37.78	6.95
08 71 23 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	42.47	6.95
08 71 23 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	42.47	6.95
08 71 23 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	42.47	6.95
08 71 23 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	43.66	6.95
08 71 23 00-0563		**Steel Kick Down Door Holders** *(08 71 23 00-0552)*		
08 71 23 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	23.41	6.95
08 71 23 00-0565		**Floor Mounted Door Holders** *(08 71 23 00-0540)*		
08 71 23 00-0566		**Brass Floor Mounted Door Holders** *(08 71 23 00-0565)*		
08 71 23 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	74.15	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	74.15	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	89.75	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	89.75	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	89.75	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	89.75	13.90
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 23 00-0573		**Wall Mounted Door Holders** *(08 71 23 00-0540)*		
08 71 23 00-0574		**Aluminum Wall Mounted Door Holders** *(08 71 23 00-0573)*		
08 71 23 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	63.11	8.11
08 71 23 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	93.85	13.90
08 71 23 00-0577		**Brass Wall Mounted Door Holders** *(08 71 23 00-0573)*		
08 71 23 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	58.38	8.11
08 71 23 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	66.84	8.11
08 71 23 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	66.84	8.11
08 71 23 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	66.84	8.11
08 71 23 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	66.84	8.11
08 71 23 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	66.84	8.11
08 71 23 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	68.83	8.11

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	65.46	8.11
08 71 23 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	77.00	8.11
08 71 23 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	77.00	8.11
08 71 23 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	77.00	8.11
08 71 23 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	77.00	8.11
08 71 23 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	77.00	8.11
08 71 23 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	105.36	13.90
08 71 23 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	110.55	13.90
08 71 23 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	110.55	13.90
08 71 23 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	110.55	13.90
08 71 23 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	110.55	13.90
08 71 23 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	110.55	13.90

08 71 23 00-0597 Overhead Door Holders *(08 71 23 00-0540)*

08 71 23 00-0598 Surface Mounted, Overhead Door Holders *(08 71 23 00-0597)*

08 71 23 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	329.09	23.17
		For Hold Open, Add	*34.11*	
08 71 23 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	372.64	23.17
		For Hold Open, Add	*40.40*	
08 71 23 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	372.64	23.17
		For Hold Open, Add	*40.40*	
08 71 23 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	372.64	23.17
		For Hold Open, Add	*40.40*	
08 71 23 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	371.15	23.17
		For Hold Open, Add	*40.18*	

08 71 23 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders *(08 71 23 00-0597)*

Note: With or without hold open feature.

08 71 23 00-0605	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	263.32	23.17
08 71 23 00-0606	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	367.30	23.17
08 71 23 00-0607	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	412.63	23.17
08 71 23 00-0608	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	412.63	23.17
08 71 23 00-0609	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	412.63	23.17

08 71 23 00-0610 Concealed Mounted, Overhead Door Holders *(08 71 23 00-0597)*

Note: With or without hold open feature.

08 71 23 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	356.34	23.17
08 71 23 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	356.34	23.17
08 71 23 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	374.12	23.17
08 71 23 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	389.23	23.17
08 71 23 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	389.23	23.17

08 71 23 00-0616 Silencers *(08 71 23 00-0421)*

08 71 23 00-0617	EA	Replacement Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	1.30	0.92

08 71 23 00-0618 Bolts *(08 71 23 00-0421)*

08 71 23 00-0619 Brass Surface Bolts *(08 71 23 00-0618)*

08 71 23 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	105.29	11.59
08 71 23 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	112.14	11.59
08 71 23 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	112.14	11.59

08 71 23 00-0623 Steel Surface Bolts *(08 71 23 00-0618)*

08 71 23 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	52.26	11.59
08 71 23 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	52.26	11.59
08 71 23 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	52.26	11.59
08 71 23 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	58.25	11.59
08 71 23 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	59.11	11.59
08 71 23 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	60.81	11.59
08 71 23 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	59.95	11.59
08 71 23 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	62.53	11.59
08 71 23 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	65.95	11.59
08 71 23 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	68.51	11.59
08 71 23 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	102.73	11.59

08 71 23 00-0635 Door Viewer *(08 71 23 00-0421)*

08 71 23 00-0636 Brass Door Viewer *(08 71 23 00-0635)*

08 71 23 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	31.33	11.59
08 71 23 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	31.33	11.59
08 71 23 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	31.33	11.59
08 71 23 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	35.15	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	35.15	11.59
08 71 23 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	35.15	11.59
08 71 23 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	39.86	11.59
08 71 23 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	39.86	11.59
08 71 23 00-0645		Door Knockers *(08 71 23 00-0421)*		
08 71 23 00-0646		Brass Door Knockers *(08 71 23 00-0645)*		
08 71 23 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	43.12	11.59
08 71 23 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	46.75	11.59
08 71 23 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	46.75	11.59
08 71 23 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	46.75	11.59
08 71 23 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	60.53	11.59
08 71 23 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	69.28	11.59
08 71 23 00-0653		Hasps *(08 71 23 00-0421)*		
08 71 23 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	22.44	8.74
08 71 23 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	23.89	9.26
08 71 23 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	29.53	10.43
08 71 23 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	100.27	12.51
08 71 23 00-0658		Flush Bolts *(08 71 23 00-0421)*		
08 71 23 00-0659		Flush Bolts For Metal Doors *(08 71 23 00-0658)*		
08 71 23 00-0660		Brass Flush Bolts For Metal Doors *(08 71 23 00-0659)*		
08 71 23 00-0661		Manual, Brass Flush Bolts For Metal Doors *(08 71 23 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	42.00	11.59
08 71 23 00-0663		Automatic, Brass Flush Bolts For Metal Doors *(08 71 23 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	91.43	11.59
08 71 23 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	91.43	11.59
08 71 23 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	166.42	18.54
08 71 23 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	161.79	16.21
08 71 23 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	168.38	17.38
08 71 23 00-0669		Constant Latching, Brass Flush Bolts For Metal Doors *(08 71 23 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	90.67	11.59
08 71 23 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	166.42	18.54
08 71 23 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	161.79	16.21
08 71 23 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	168.38	17.38
08 71 23 00-0674		Stainless Steel Flush Bolts For Metal Doors *(08 71 23 00-0659)*		
08 71 23 00-0675		Automatic, Stainless Steel Flush Bolts For Metal Doors *(08 71 23 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	91.43	11.59
08 71 23 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	91.43	11.59
08 71 23 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	166.42	18.54
08 71 23 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	161.79	16.21
08 71 23 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	168.38	17.38
08 71 23 00-0681		Constant Latching, Stainless Steel Flush Bolts For Metal Doors *(08 71 23 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	90.67	11.59
08 71 23 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	166.42	18.54
08 71 23 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	161.79	16.21
08 71 23 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	168.38	17.38
08 71 23 00-0686		Flush Bolts For Wood Doors *(08 71 23 00-0658)*		
08 71 23 00-0687		Brass Flush Bolts For Wood Doors *(08 71 23 00-0686)*		
08 71 23 00-0688		Manual, Brass Flush Bolts For Wood Doors *(08 71 23 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	48.40	11.59

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0690		**Automatic, Brass Flush Bolts For Wood Doors** *(08 71 23 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	94.76	11.59
08 71 23 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	94.76	11.59
08 71 23 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	173.60	18.54
08 71 23 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	168.97	16.21
08 71 23 00-0695		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 23 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	94.09	11.59
08 71 23 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	173.60	18.54
08 71 23 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	168.97	16.21
08 71 23 00-0699		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 23 00-0686)*		
08 71 23 00-0700		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 23 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	94.76	11.59
08 71 23 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	94.76	11.59
08 71 23 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	173.60	18.54
08 71 23 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	168.97	16.21
08 71 23 00-0705		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 23 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	94.09	11.59
08 71 23 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	173.60	18.54
08 71 23 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	168.97	16.21
08 71 23 00-0709		**Dust Proof Strikes** *(08 71 23 00-0658)*		
08 71 23 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	36.85	9.26
08 71 23 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	36.85	9.26
08 71 23 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	36.85	9.26
08 71 23 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	36.85	9.26
08 71 23 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	36.85	9.26
08 71 23 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	41.63	9.26
08 71 23 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	41.63	9.26
08 71 23 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	41.63	9.26
08 71 23 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	41.63	9.26
08 71 23 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	41.63	9.26
08 71 23 00-0720		**Roller Bumpers** *(08 71 23 00-0421)*		
08 71 23 00-0721		**Brass Roller Bumpers** *(08 71 23 00-0720)*		
08 71 23 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	36.86	6.95
08 71 23 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	42.58	6.95
08 71 23 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	42.58	6.95
08 71 23 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	35.57	6.95
08 71 23 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.93	6.95
08 71 23 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.93	6.95
08 71 23 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.93	6.95
08 71 23 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	36.95	6.95
08 71 23 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.03	6.95
08 71 23 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	41.48	6.95
08 71 23 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	41.48	6.95
08 71 23 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	41.48	6.95
08 71 23 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	41.48	6.95
08 71 23 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	41.48	6.95
08 71 23 00-0736		**Other Door Trim** *(08 71 23 00-0421)*		
08 71 23 00-0737		**Coat And Hat Hooks** *(08 71 23 00-0736)*		
08 71 23 00-0738		**Aluminum Coat And Hat Hooks** *(08 71 23 00-0737)*		
08 71 23 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	15.65	6.95
08 71 23 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	15.65	6.95
08 71 23 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	15.75	6.95
08 71 23 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	15.58	6.95
08 71 23 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	15.58	6.95
08 71 23 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	15.58	6.95
08 71 23 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	15.75	6.95
08 71 23 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	16.29	6.95
08 71 23 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	16.29	6.95
08 71 23 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	16.29	6.95
08 71 23 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	16.29	6.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	16.29	6.95
08 71 23 00-0751		**Brass Coat And Hat Hooks** *(08 71 23 00-0737)*		
08 71 23 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	18.55	6.95
08 71 23 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	18.84	6.95
08 71 23 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	19.28	6.95
08 71 23 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	19.28	6.95
08 71 23 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	19.56	6.95
08 71 23 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	20.46	6.95
08 71 23 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	21.74	6.95
08 71 23 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	21.74	6.95
08 71 23 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	21.74	6.95
08 71 23 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	22.02	6.95
08 71 23 00-0762		**Door Plates And Pulls** *(08 71 23)*		
08 71 23 00-0763		**Kick Plate** *(08 71 23 00-0762)* Note: Ives 8400.		
08 71 23 00-0764		**Aluminum Base Material Kick Plate** *(08 71 23 00-0763)*		
08 71 23 00-0765		**Satin Aluminum Finish, Aluminum Kick Plate** *(08 71 23 00-0764)*		
08 71 23 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.95	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.25	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.52	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.81	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.98	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.24	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.54	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0773	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.81	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0774	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.95	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0775	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.24	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0776	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.51	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0777	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.67	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0778	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.96	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0779	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0780	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.50	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0781	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.12	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0782	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.70	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0783	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.32	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0784	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	53.79	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0785	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.39	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0786	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.00	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0787	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.60	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0788	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.07	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0789	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.67	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0790	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.28	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0791	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.75	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0792	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.33	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0793	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.95	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0794	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.04	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0795	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.95	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0796	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.91	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0797	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.80	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0798	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.60	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0799	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.53	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0800	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.46	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0801	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.40	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0802	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.17	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0803	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.10	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0804	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.04	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0805	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.81	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0806	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0807	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.68	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0808	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0809	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.66	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0810	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.95	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0811	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.20	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0812	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.28	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0813	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.54	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0814	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.79	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0815	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.04	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0816	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.14	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0817	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.38	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0818	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.63	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0819	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.73	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.00	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.25	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.53	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.12	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.69	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.54	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.69	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.27	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.83	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.24	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.84	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.40	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.81	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.39	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.98	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.54	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.62	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.70	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.78	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.70	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0841	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.78	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0842	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.86	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0843	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.94	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0844	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.87	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0845	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.95	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0846	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.03	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0847	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.96	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0848	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.05	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0849	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.13	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0850	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.15	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0851	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.57	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0852	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.99	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.42	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.11	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.53	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.95	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.22	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.65	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.07	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.35	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.77	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.19	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.91	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.67	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.44	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.20	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.83	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.59	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.35	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.11	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.73	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.49	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.25	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.87	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.64	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.40	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.67	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.78	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.90	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0881	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.00	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0882	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.95	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0883	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.06	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0884	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.16	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0885	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.28	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0886	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.23	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0887	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0888	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.44	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0889	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.40	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0890	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.52	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0891	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.62	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-0892 Brass Base Material Kick Plate *(08 71 23 00-0763)*

08 71 23 00-0893 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 23 00-0892)*

08 71 23 00-0894	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	74.62	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0895	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	78.88	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0896	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	83.14	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0897	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	87.39	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0898	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	93.50	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0899	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	97.78	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0900	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	102.04	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0901	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	106.29	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0902	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	112.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0903	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	116.64	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0904	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	120.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	126.99	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	131.27	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	135.53	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	86.34	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	91.64	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	96.98	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	102.29	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	109.46	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	114.79	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	120.12	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.44	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	132.59	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	137.93	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.26	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	150.41	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	155.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	161.06	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	98.01	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.43	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	110.80	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	117.18	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.44	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	131.83	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	138.21	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0929	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	144.58	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0930	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.84	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0931	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.21	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0932	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	165.60	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0933	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	173.83	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0934	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.20	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0935	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	186.62	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0936	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	111.61	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0937	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	119.04	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0938	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	126.49	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0939	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	133.96	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0940	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.26	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0941	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	150.71	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0942	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	158.15	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0943	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	165.60	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0944	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	174.90	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0945	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.35	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0946	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	189.79	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0947	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	199.09	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0948	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	206.55	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0949	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	214.00	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0950	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	153.04	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0951	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	164.28	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0952	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	175.49	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0953	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	186.69	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0954	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	199.76	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0955	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	210.98	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0956	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.21	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0957	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	233.40	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0958	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	246.49	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0959	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	257.72	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0960	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	268.93	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0961	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	281.98	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0962	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.19	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0963	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	304.42	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0964	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	168.22	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0965	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.81	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0966	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.39	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0967	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	206.01	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0968	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	220.45	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0969	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	233.03	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0970	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	245.65	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0971	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.22	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0972	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	272.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0973	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	285.28	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0974	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	297.86	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0975	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	312.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0976	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	324.91	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0977	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.50	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0978	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	185.46	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0979	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	199.45	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0980	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	213.46	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	227.43	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.29	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	257.29	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.27	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	285.28	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	301.10	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.12	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	329.11	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.96	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	358.97	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	372.94	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	200.87	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	216.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	231.63	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	247.04	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	264.28	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	295.08	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.48	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	327.71	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	343.10	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	358.50	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	375.75	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	391.16	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	406.52	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	216.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	233.03	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	249.84	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	285.28	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	302.07	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	318.87	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	336.58	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	354.30	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	371.08	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	387.88	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1017	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	406.52	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1018	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	423.35	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1019	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	440.13	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1020 Bright/Satin Chrome Finish, Brass Kick Plate *(08 71 23 00-0892)*

08 71 23 00-1021	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	79.44	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1022	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	84.13	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1023	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	88.83	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1024	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	93.53	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1025	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	100.08	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1026	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	104.76	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1027	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	109.46	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1028	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	114.15	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1029	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	120.70	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1030	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	125.41	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1031	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	130.11	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1032	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	136.65	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1033	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	141.35	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1034	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.04	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1035	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	92.36	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1036	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	98.22	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1037	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	104.09	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1038	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	109.95	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	117.69	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	123.56	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	129.43	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.29	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	143.01	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	148.87	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	154.74	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	162.46	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	168.32	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	174.19	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	105.26	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.29	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	119.36	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1052	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	126.40	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1053	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.29	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1054	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	142.34	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1055	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	149.38	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1056	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	156.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1057	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	165.30	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1058	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	172.34	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1059	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	179.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1060	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	188.27	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1061	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	195.34	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1062	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	202.38	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1063	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	120.02	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1064	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.26	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1065	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	136.48	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1066	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	144.68	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1067	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	154.74	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1068	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	162.96	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1069	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.17	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1070	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	179.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1071	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	189.47	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1072	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	197.68	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1073	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	205.89	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1074	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	201.15	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1075	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	224.16	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1076	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	232.39	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1077	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	167.36	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1078	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	179.89	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1079	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	192.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1080	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	204.93	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1081	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	219.29	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1082	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	231.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1083	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	244.34	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1084	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	256.86	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1085	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	271.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1086	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	283.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1087	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	296.26	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1088	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	310.63	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1089	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	323.15	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1090	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	335.66	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1091	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	184.13	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1092	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	198.19	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1093	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	212.22	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1094	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	226.27	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1095	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	242.15	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1096	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1097	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	270.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1098	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	284.28	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1099	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	300.16	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1100	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1101	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	328.27	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1102	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	344.15	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1103	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	358.21	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1104	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	372.24	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1105	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.13	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1106	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	218.76	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1107	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	234.34	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1108	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	249.97	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1109	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	267.41	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1110	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	283.00	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1111	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	298.62	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1112	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1113	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	331.69	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1114	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	347.28	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1115	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	362.87	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1116	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	380.35	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1117	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	395.94	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1118	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	411.56	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1119	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	220.30	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1120	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1121	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	254.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1122	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	271.79	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1123	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	290.82	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1124	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	307.98	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1125	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	325.15	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1126	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	342.30	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1127	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	361.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1128	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	378.49	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1129	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	395.65	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1130	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	414.67	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1131	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	431.82	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1132	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1133	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1134	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1135	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	274.92	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1136	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	293.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1137	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1138	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	332.94	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1139	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	351.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1140	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	370.39	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1141	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	390.96	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1142	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	409.70	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1143	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	428.42	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1144	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1145	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	467.73	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1146	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	486.45	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1147		**Satin/Dark Bronze Finish, Brass Kick Plate** *(08 71 23 00-0892)*		
08 71 23 00-1148	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	80.36	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1149	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	85.11	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1150	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	89.91	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1151	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	94.67	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1152	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	101.33	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1153	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	106.10	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1154	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	110.88	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1155	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	115.65	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1156	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	122.25	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1157	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	127.05	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1158	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	131.82	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1159	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	138.46	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1160	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	143.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1161	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.01	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1162	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	93.48	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1163	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	99.47	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1164	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	105.42	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1165	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	111.39	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	119.22	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	125.20	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	131.16	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	137.13	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	144.96	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.93	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	164.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	170.69	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	176.66	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	106.62	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	113.79	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	120.94	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	128.11	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	137.13	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	144.31	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	151.48	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	158.64	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	167.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	174.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	181.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	190.99	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	198.17	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	205.32	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	121.60	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	138.33	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	146.68	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	165.26	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	173.61	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	181.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	192.18	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.54	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	208.89	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	219.11	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	227.50	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	235.85	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	167.36	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	179.89	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	192.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	204.93	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	219.29	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.34	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.86	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	271.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	296.26	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	310.63	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.15	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	335.66	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.13	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	198.19	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.22	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	226.27	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	242.15	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	270.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	284.28	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	300.16	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.27	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	344.15	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	358.21	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.24	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	203.13	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	218.76	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.34	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	249.97	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	267.41	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.00	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.62	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	331.69	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	347.28	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	362.87	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	380.35	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	395.94	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	411.56	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	220.30	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	271.79	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	290.82	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	307.98	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.15	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.30	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	361.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	378.49	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	395.65	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	414.67	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	431.82	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	274.92	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	332.94	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	351.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	370.39	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	390.96	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.70	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	428.42	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	467.73	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	486.45	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1274		**Satin Nickel Finish, Brass Kick Plate** *(08 71 23 00-0892)*		
08 71 23 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	80.36	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	85.11	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	89.91	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1278	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	94.67	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1279	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	101.33	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1280	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	106.10	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1281	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	110.88	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1282	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	115.65	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1283	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	122.25	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1284	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	127.05	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1285	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.82	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1286	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.46	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1287	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	143.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1288	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	148.01	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1289	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	93.48	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1290	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	99.47	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1291	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	105.42	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1292	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	111.39	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1293	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	119.22	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1294	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	125.20	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1295	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.16	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1296	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	137.13	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1297	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.96	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1298	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	150.93	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1299	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	156.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1300	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	164.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1301	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	170.69	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1302	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	176.66	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1303	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	106.62	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1304	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	113.79	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1305	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	120.94	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1306	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	128.11	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1307	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	137.13	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1308	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.31	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1309	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	151.48	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1310	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	158.64	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1311	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	167.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1312	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	174.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1313	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	181.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1314	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	190.99	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1315	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	198.17	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1316	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	205.32	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1317	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	121.60	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1318	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1319	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.33	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1320	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	146.68	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1321	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	156.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1322	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	165.26	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1323	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	173.61	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1324	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	181.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1325	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	192.18	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1326	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	200.54	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1327	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	208.89	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1328	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	219.11	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	227.50	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	235.85	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	167.36	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	179.89	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	192.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1334	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	204.93	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1335	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	219.29	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1336	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	231.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1337	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	244.34	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1338	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	256.86	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1339	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	271.23	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1340	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	283.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	296.26	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	310.63	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	323.15	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	335.66	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	184.13	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1346	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	198.19	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1347	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	212.22	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1348	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	226.27	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1349	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	242.15	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1350	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1351	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	270.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1352	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	284.28	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1353	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	300.16	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1354	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1355	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	328.27	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1356	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	344.15	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1357	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	358.21	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1358	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	372.24	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1359	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	203.13	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1360	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	218.76	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1361	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	234.34	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1362	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	249.97	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1363	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	267.41	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1364	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	283.00	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1365	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	298.62	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1366	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1367	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	331.69	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1368	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	347.28	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1369	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	362.87	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1370	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	380.35	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1371	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	395.94	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1372	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	411.56	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1373	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	220.30	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1374	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1375	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	254.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1376	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	271.79	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1377	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	290.82	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1378	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	307.98	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1379	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	325.15	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1380	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	342.30	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1381	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	361.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1382	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	378.49	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1383	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	395.65	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1384	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	414.67	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1385	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	431.82	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1386	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1387	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	237.48	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1388	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	256.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1389	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	274.92	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1390	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	293.64	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1391	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	314.21	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1392	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	332.94	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1393	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	351.69	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1394	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	370.39	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1395	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	390.96	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1396	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	409.70	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1397	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	428.42	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1398	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	449.00	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1399	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	467.73	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1400	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	486.45	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1401		Stainless Base Material Kick Plate *(08 71 23 00-0763)*		
08 71 23 00-1402		Satin Stainless Finish, Stainless Kick Plate *(08 71 23 00-1401)*		
08 71 23 00-1403	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.20	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1404	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.71	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1405	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.18	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1406	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.70	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1407	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.04	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1408	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.51	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1409	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.03	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1410	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.52	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1411	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.86	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1412	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.36	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1413	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.84	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1414	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.19	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1415	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.68	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1416	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.16	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1417	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.30	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1418	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.18	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1419	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.05	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1420	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.90	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1421	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.64	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1422	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.51	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1423	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.36	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1424	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.21	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1425	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.96	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1426	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1427	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1428	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.39	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1429	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.26	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1430	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.11	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1431	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.42	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1432	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.66	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1433	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.89	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1434	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.13	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1435	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.21	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1436	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.46	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1437	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.68	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1438	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.94	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1439	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.01	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1440	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.26	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1441	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.51	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1442	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.58	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1443	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.84	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1444	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.06	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1445	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.38	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1446	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.99	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1447	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.61	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1448	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.22	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1449	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1450	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.28	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1451	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.89	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1452	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.51	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1453	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.98	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1454	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.56	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1455	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.18	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1456	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.65	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1457	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.26	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1458	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.88	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1459	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.63	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1460	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1461	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.17	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1462	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.35	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1463	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1464	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.59	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1465	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.78	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1466	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1467	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.00	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1468	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.22	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1469	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.42	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1470	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.72	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1471	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.64	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1472	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.84	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1473	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.28	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1474	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.80	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1475	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.30	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1476	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.81	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1477	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1478	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.68	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1479	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.19	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1480	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.69	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1481	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.06	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1482	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.57	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1483	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.07	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1484	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.45	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1485	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.97	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1486	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.47	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1487	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.42	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1488	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.32	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1489	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.23	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1490	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.11	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1491	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.87	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1492	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.78	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1493	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.66	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1494	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.57	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1495	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.32	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1496	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.23	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1497	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.14	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1498	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.88	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1499	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.79	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1500	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.69	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1501	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.70	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1502	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.01	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1503	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.28	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1504	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.59	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1505	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.71	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1506	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.02	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1507	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.30	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1508	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.60	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1509	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.73	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1510	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.02	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1511	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1512	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.46	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1513	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.77	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1514	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.04	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1515	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.01	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1516	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.68	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1517	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.38	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1518	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.04	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1519	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.57	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1520	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.25	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1521	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.94	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1522	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.62	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1523	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.15	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1524	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.83	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1525	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.51	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1526	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.04	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1527	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	144.73	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1528	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.43	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1529 Bright Stainless Finish, Stainless Kick Plate *(08 71 23 00-1401)*

08 71 23 00-1530	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	65.59	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1531	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	69.04	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1532	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	72.46	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1533	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	75.90	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1534	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.18	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1535	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.63	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1536	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.05	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1537	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.50	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1538	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.76	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1539	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.21	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1540	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1541	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	108.94	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1542	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.37	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1543	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.79	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1544	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	75.04	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1545	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	79.32	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1546	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.63	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1547	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	87.93	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1548	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.07	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1549	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	98.36	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1550	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	102.67	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1551	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1552	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	113.10	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1553	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.40	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1554	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.71	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1555	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.82	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1556	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.13	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1557	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.43	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1558	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.47	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1559	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.64	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1560	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.80	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1561	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	99.95	6.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1562	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.97	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1563	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.09	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1564	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.26	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1565	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.42	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1566	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	129.42	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1567	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.58	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1568	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.72	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1569	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.74	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1570	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.88	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1571	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.03	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1572	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	95.80	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1573	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.81	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1574	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.83	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1575	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	113.84	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1576	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.71	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1577	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.71	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	133.72	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.72	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.60	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	153.61	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	159.63	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.49	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.47	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.49	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.24	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.09	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.00	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	125.86	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.58	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.45	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.31	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.18	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1594	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.91	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1595	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.77	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1596	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.64	8.34
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1597	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.36	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1598	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	193.25	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1599	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.12	8.80
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1600	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.69	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1601	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.54	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1602	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	131.34	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1603	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.19	7.41
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1604	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.86	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1605	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.65	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1606	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.50	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1607	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.77	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1608	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	181.99	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1609	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.81	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1610	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.64	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1611	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	207.31	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1612	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.13	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1613	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.95	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1614	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.13	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1615	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.81	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1616	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	144.50	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1617	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	153.18	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1618	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.73	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1619	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.44	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	181.10	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.81	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.33	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.04	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.74	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	228.28	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.97	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	245.65	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.68	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.79	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.35	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.76	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.33	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	195.90	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	205.46	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1636	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.86	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1637	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.42	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1638	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.97	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1639	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	247.39	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1640	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.97	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1641	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	266.52	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1642	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.24	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1643	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.65	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1644	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.09	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1645	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.52	7.88
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1646	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.81	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1647	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.23	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1648	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	210.66	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1649	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	221.10	8.34
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1650	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	233.38	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1651	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.79	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1652	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.23	8.80
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1653	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	266.52	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1654	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.97	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1655	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.38	9.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1656 Plastic Kick Plate *(08 71 23 00-0763)*

08 71 23 00-1657 Clear Or Black Finish, Plastic Kick Plate *(08 71 23 00-1656)*

Note: With four beveled edges.

08 71 23 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	38.30	6.95
08 71 23 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	39.24	6.95
08 71 23 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.21	6.95
08 71 23 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	41.16	6.95
08 71 23 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.98	7.41
08 71 23 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.93	7.41
08 71 23 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.87	7.41
08 71 23 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.85	7.41
08 71 23 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.81	7.88
08 71 23 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.59	7.88
08 71 23 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.56	7.88
08 71 23 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.36	8.34
08 71 23 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.32	8.34
08 71 23 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.27	8.34
08 71 23 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.92	6.95
08 71 23 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.12	6.95
08 71 23 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.31	6.95
08 71 23 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.49	6.95
08 71 23 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.55	7.41
08 71 23 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.74	7.41
08 71 23 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.94	7.41
08 71 23 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.12	7.41
08 71 23 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.18	7.88
08 71 23 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.36	7.88
08 71 23 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.57	7.88
08 71 23 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.60	8.34
08 71 23 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.80	8.34
08 71 23 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.98	8.34
08 71 23 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.55	6.95
08 71 23 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.99	6.95

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.40	6.95
08 71 23 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.85	6.95
08 71 23 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.12	7.41
08 71 23 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.57	7.41
08 71 23 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.01	7.41
08 71 23 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.43	7.41
08 71 23 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.70	7.88
08 71 23 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.13	7.88
08 71 23 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.58	7.88
08 71 23 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.85	8.34
08 71 23 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.30	8.34
08 71 23 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.71	8.34
08 71 23 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.03	7.41
08 71 23 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.71	7.41
08 71 23 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.37	7.41
08 71 23 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.05	7.41
08 71 23 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.57	7.88
08 71 23 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.22	7.88
08 71 23 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.90	7.88
08 71 23 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.58	7.88
08 71 23 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.09	8.34
08 71 23 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.77	8.34
08 71 23 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.44	8.34
08 71 23 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.95	8.80
08 71 23 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.63	8.80
08 71 23 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.28	8.80
08 71 23 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.80	7.41
08 71 23 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.00	7.41
08 71 23 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.17	7.41
08 71 23 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.37	7.41
08 71 23 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.42	7.88
08 71 23 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.61	7.88
08 71 23 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.81	7.88
08 71 23 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.99	7.88
08 71 23 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.05	8.34
08 71 23 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.24	8.34
08 71 23 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.44	8.34
08 71 23 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.49	8.80
08 71 23 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.66	8.80
08 71 23 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.86	8.80
08 71 23 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.80	7.41
08 71 23 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.28	7.41
08 71 23 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.74	7.41
08 71 23 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.22	7.41
08 71 23 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.32	7.88
08 71 23 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.99	7.88
08 71 23 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.47	7.88
08 71 23 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.93	7.88
08 71 23 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.26	8.34
08 71 23 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.73	8.34
08 71 23 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.19	8.34
08 71 23 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.52	8.80
08 71 23 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.97	8.80
08 71 23 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.45	8.80
08 71 23 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.68	7.88
08 71 23 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.42	7.88
08 71 23 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.16	7.88
08 71 23 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.90	7.88
08 71 23 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.50	8.34
08 71 23 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.24	8.34
08 71 23 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.98	8.34
08 71 23 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.73	8.34
08 71 23 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.31	8.80
08 71 23 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.06	8.80
08 71 23 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.79	8.80
08 71 23 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.40	9.26
08 71 23 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.15	9.26
08 71 23 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.88	9.26
08 71 23 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.70	7.88
08 71 23 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.70	7.88
08 71 23 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.73	7.88
08 71 23 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.73	7.88
08 71 23 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.61	8.34
08 71 23 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.64	8.34
08 71 23 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.64	8.34
08 71 23 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.67	8.34
08 71 23 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.52	8.80
08 71 23 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.54	8.80
08 71 23 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.57	8.80
08 71 23 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.43	9.26
08 71 23 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.45	9.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.45	9.26
08 71 23 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.70	7.88
08 71 23 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.99	7.88
08 71 23 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.30	7.88
08 71 23 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.59	7.88
08 71 23 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.73	8.34
08 71 23 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.01	8.34
08 71 23 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.30	8.34
08 71 23 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.60	8.34
08 71 23 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.74	8.80
08 71 23 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.02	8.80
08 71 23 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.31	8.80
08 71 23 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.45	9.26
08 71 23 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.77	9.26
08 71 23 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.06	9.26

08 71 23 00-1784 Mop Plate *(08 71 23 00-0762)*

Note: Ives 8400.

08 71 23 00-1785 Aluminum Base Material Mop Plate *(08 71 23 00-1784)*

08 71 23 00-1786 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 23 00-1785)*

08 71 23 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	35.46	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.25	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.00	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.79	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.69	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.45	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.23	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.99	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.35	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.12	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.90	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.52	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.30	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	50.06	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.71	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.87	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.04	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.20	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.49	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.63	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.81	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.95	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.70	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	52.86	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	54.03	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.03	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.20	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.34	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1815 Brass Base Material Mop Plate *(08 71 23 00-1784)*

08 71 23 00-1816 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 23 00-1815)*

08 71 23 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	51.79	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	54.07	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	56.32	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	58.59	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	61.96	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	64.21	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	66.48	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.73	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	72.57	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	74.82	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	77.08	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	81.19	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	83.44	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	85.73	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	64.23	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	67.61	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	71.00	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	74.38	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	78.89	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	82.30	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	85.66	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	89.07	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.01	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	97.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	100.81	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	106.03	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.43	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	112.80	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1845		Bright/Satin Chrome Finish, Brass Mop Plate *(08 71 23 00-1815)*		
08 71 23 00-1846	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	54.14	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1847	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	56.60	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1848	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	59.07	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1849	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	61.55	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1850	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	65.13	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1851	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	67.60	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1852	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	70.07	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1853	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	72.53	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1854	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	76.59	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1855	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	79.08	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1856	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	81.55	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1857	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	85.87	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1858	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	88.33	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1859	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	90.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1860	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	67.73	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1861	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	71.41	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1862	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	75.13	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1863	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	78.85	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1864	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	83.66	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1865	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	87.38	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1866	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	91.06	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1867	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	94.78	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1868	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	100.08	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1869	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	103.77	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1870	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	107.49	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1871	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	113.03	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1872	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	116.74	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1873	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	120.45	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1874 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 23 00-1815)*

08 71 23 00-1875	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	54.59	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1876	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	57.09	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1877	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	59.61	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1878	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	62.11	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1879	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	65.75	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1880	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	68.27	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1881	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	70.79	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1882	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	73.30	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1883	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	77.37	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1884	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	79.89	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1885	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	82.41	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1886	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	86.78	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1887	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	89.30	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1888	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	91.78	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1889	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	68.39	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1890	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	72.18	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1891	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	75.95	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1892	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	87.04	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1893	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	84.59	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1894	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	88.35	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1895	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	92.12	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1896	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	95.88	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1897	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	101.25	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1898	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	105.01	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1899	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	108.78	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1900	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	114.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1901	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	118.15	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1902	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	121.91	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1903 Satin Nickel Finish, Brass Mop Plate *(08 71 23 00-1815)*

08 71 23 00-1904	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	55.12	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1905	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	57.65	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1906	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	60.23	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1907	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	62.79	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1908	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	66.48	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1909	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	69.02	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1910	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.59	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1911	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	74.15	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1912	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	78.31	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1913	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	80.85	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1914	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.40	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1915	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	87.83	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1916	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	90.39	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1917	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	92.92	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1918	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	69.19	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1919	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	73.03	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1920	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	76.86	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1921	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	80.70	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1922	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	85.66	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1923	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	89.49	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1924	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	93.33	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1925	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	97.18	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1926	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	102.60	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1927	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	106.45	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1928	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	110.29	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1929	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	115.97	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1930	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	119.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1931	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	123.66	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1932		Stainless Base Material Mop Plate *(08 71 23 00-1784)*		
08 71 23 00-1933		Satin Stainless Finish, Stainless Mop Plate *(08 71 23 00-1932)*		
08 71 23 00-1934	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.01	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1935	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.81	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1936	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.64	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1937	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.45	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1938	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.40	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1939	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.23	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1940	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.03	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1941	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.86	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1942	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.26	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1943	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.09	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1944	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.92	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1945	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.57	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1946	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.40	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1947	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.21	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1948	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.50	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1949	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.74	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1950	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.97	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1951	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.22	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1952	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.55	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1953	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.78	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1954	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.03	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1955	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.26	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1956	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	53.08	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1957	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.29	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1958	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	55.52	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1959	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	58.62	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1960	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.83	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1961	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.08	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1962 Bright Stainless Finish, Stainless Mop Plate *(08 71 23 00-1932)*

08 71 23 00-1963	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	47.05	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1964	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	48.88	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1965	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	50.72	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1966	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	52.53	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1967	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	55.48	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1968	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.31	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1969	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	59.14	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1970	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.98	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1971	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	64.37	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1972	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	66.20	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1973	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	68.04	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1974	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.71	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1975	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	73.55	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1976	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.36	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1977	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.09	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1978	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	59.86	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1979	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.60	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1980	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	65.34	6.77
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1981	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	69.19	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1982	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.93	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1983	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	74.67	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1984	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.41	7.04
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1985	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	81.74	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1986	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.48	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1987	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	87.22	7.41
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1988	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.81	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1989	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	94.54	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 23 00-1990	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	97.28	7.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 23 00-1991 Plastic Mop Plate *(08 71 23 00-1784)*

08 71 23 00-1992 Clear Or Black Finish, Plastic Mop Plate *(08 71 23 00-1991)*

Note: With four beveled edges.

08 71 23 00-1993	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.48	6.77
08 71 23 00-1994	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.17	6.77
08 71 23 00-1995	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.86	6.77
08 71 23 00-1996	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.54	6.77

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1997	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.35	7.04
08 71 23 00-1998	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.03	7.04
08 71 23 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.71	7.04
08 71 23 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.40	7.04
08 71 23 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.67	7.41
08 71 23 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.35	7.41
08 71 23 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.03	7.41
08 71 23 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.56	7.88
08 71 23 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.26	7.88
08 71 23 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.94	7.88
08 71 23 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.25	6.77
08 71 23 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.28	6.77
08 71 23 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.31	6.77
08 71 23 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.33	6.77
08 71 23 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.49	7.04
08 71 23 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.51	7.04
08 71 23 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.53	7.04
08 71 23 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.55	7.04
08 71 23 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.17	7.41
08 71 23 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.19	7.41
08 71 23 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	51.21	7.41
08 71 23 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.10	7.88
08 71 23 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	55.12	7.88
08 71 23 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.14	7.88

08 71 23 00-2021 Armor Door Plate *(08 71 23 00-0762)*

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 23 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	16.96	1.16
08 71 23 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	15.93	0.91
08 71 23 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	18.68	1.16
08 71 23 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	17.65	0.91
08 71 23 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	35.93	1.16
08 71 23 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	34.90	0.91

08 71 23 00-2028 Pull Handle And Plates *(08 71 23 00-0762)*

08 71 23 00-2029 Pull Handle *(08 71 23 00-2028)*

08 71 23 00-2030	EA	3/4" Diameter Aluminum Door Pulls, 6" Long	60.91	7.64
		For Stainless Steel, Add	*12.73*	
		For Brass, Add	*17.28*	
08 71 23 00-2031	EA	3/4" Diameter Aluminum Door Pulls, 8" Long	60.91	7.64
		For Stainless Steel, Add	*12.73*	
		For Brass, Add	*17.28*	
08 71 23 00-2032	EA	3/4" Diameter Aluminum Door Pulls, 10" Long	63.91	7.64
		For Stainless Steel, Add	*13.99*	
		For Brass, Add	*18.99*	
08 71 23 00-2033	EA	1" Diameter Aluminum Door Pulls, 8" Long	70.98	7.64
		For Stainless Steel, Add	*16.96*	
		For Brass, Add	*23.02*	
08 71 23 00-2034	EA	1" Diameter Aluminum Door Pulls, 10" Long	75.04	7.64
		For Stainless Steel, Add	*18.67*	
		For Brass, Add	*25.34*	
08 71 23 00-2035	EA	1" Diameter Aluminum Door Pulls, 12" Long	80.39	7.64
		For Stainless Steel, Add	*20.92*	
		For Brass, Add	*28.39*	
08 71 23 00-2036	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	64.61	7.64
		For Stainless Steel, Add	*14.29*	
		For Brass, Add	*19.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2037	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long	64.61	7.64
		For Stainless Steel, Add	*14.29*	
		For Brass, Add	*19.39*	
08 71 23 00-2038	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long	67.99	7.64
		For Stainless Steel, Add	*15.71*	
		For Brass, Add	*21.32*	
08 71 23 00-2039	EA	1" Diameter Stainless Steel Offset Door Pulls, 8" Long	114.35	7.64
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*15.83*	
		For Brass, Add	*14.57*	
08 71 23 00-2040	EA	1" Diameter Stainless Steel Offset Door Pulls, 10" Long	119.81	7.64
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*16.86*	
		For Brass, Add	*15.52*	
08 71 23 00-2041	EA	1" Diameter Stainless Steel Offset Door Pulls, 12" Long	125.27	7.64
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*17.89*	
		For Brass, Add	*16.47*	
08 71 23 00-2042	EA	1" Diameter Stainless Steel Offset Door Pulls, 18" Long	150.76	7.64
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*22.71*	
		For Brass, Add	*20.91*	
08 71 23 00-2043		**Pull Plate** *(08 71 23 00-2028)*		
08 71 23 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware	58.60	5.79
		For Stainless Steel, Add	*20.90*	
		For Brass, Add	*26.57*	
08 71 23 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware	59.84	5.79
		For Stainless Steel, Add	*21.64*	
		For Brass, Add	*27.50*	
08 71 23 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware	62.64	5.79
		For Stainless Steel, Add	*23.29*	
		For Brass, Add	*29.60*	
08 71 23 00-2047		**Push Bars And Plates** *(08 71 23 00-0762)*		
08 71 23 00-2048		**Push Bars** *(08 71 23 00-2047)*		
08 71 23 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	168.57	5.79
08 71 23 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	143.16	5.79
		For Brass Push Bar, Add	*20.88*	
08 71 23 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	148.19	5.79
		For Brass Push Bar, Add	*21.75*	
08 71 23 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	273.21	5.79
		For Brass Push Bar, Add	*43.51*	
08 71 23 00-2053		**Push Plates** *(08 71 23 00-2047)*		
08 71 23 00-2054		**Aluminum Push Plates** *(08 71 23 00-2053)*		
08 71 23 00-2055		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 23 00-2054)* Note: Ives 8200 Series.		
08 71 23 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.07	5.79
08 71 23 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.07	5.79
08 71 23 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.07	5.79
08 71 23 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	34.32	5.79
08 71 23 00-2060		**Stainless Steel Push Plates** *(08 71 23 00-2053)*		
08 71 23 00-2061		**Satin Finish, Stainless Steel Push Plates** *(08 71 23 00-2060)* Note: Ives 8200 Series.		
08 71 23 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	32.07	5.79
08 71 23 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	33.81	5.79
08 71 23 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	37.76	5.79
08 71 23 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	43.61	5.79
08 71 23 00-2066		**Brass Push Plates** *(08 71 23 00-2053)*		
08 71 23 00-2067		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 23 00-2066)* Note: Ives 8200 Series.		
08 71 23 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	37.36	5.79
08 71 23 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	41.80	5.79
08 71 23 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	52.51	5.79
08 71 23 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	59.55	5.79
08 71 23 00-2072		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 23 00-2066)* Note: Ives 8200 Series.		
08 71 23 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	40.92	5.79
08 71 23 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	44.53	5.79
08 71 23 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	54.34	5.79
08 71 23 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	64.01	5.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2077		Satin/Dark Bronze Finish, Brass Push Plates *(08 71 23 00-2066)*		
		Note: Ives 8200 Series.		
08 71 23 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	40.92	5.79
08 71 23 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	44.53	5.79
08 71 23 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	56.07	5.79
08 71 23 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	64.97	5.79
08 71 23 00-2082		Satin Nickel Finish, Brass Push Plates *(08 71 23 00-2066)*		
		Note: Ives 8200 Series.		
08 71 23 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	40.92	5.79
08 71 23 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	45.43	5.79
08 71 23 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	58.81	5.79
08 71 23 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	67.71	5.79
08 71 23 00-2087		Exit Devices *(08 71 23)*		
08 71 23 00-2088		Push Bar Exit Device, Von Duprin Series 22 *(08 71 23 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 23 00-2089	EA	3' Push Bar Exit Device, Rim Type	602.57	104.26
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
		For 4' Push Bar, Add	*13.00*	
08 71 23 00-2090	EA	3' Push Bar Exit Device, Rim Type, Fire Rated	666.78	104.26
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
		For 4' Push Bar, Add	*13.00*	
08 71 23 00-2091	EA	3' Push Bar Exit Device, Surface Vertical Rods	866.04	125.11
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
		For 4' Push Bar, Add	*13.00*	
08 71 23 00-2092	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated	1,025.98	115.85
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
		For 4' Push Bar, Add	*13.00*	
08 71 23 00-2093	EA	Dummy Trim (210DT), Von Duprin Series 22	82.63	17.38
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2094	EA	Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22	179.65	23.17
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2095	EA	Knob Trim (210K) With Cylinder, Von Duprin Series 22	328.88	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2096	EA	Lever Trim (230L) With Cylinder, Von Duprin Series 22	325.93	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2097	EA	Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22	325.18	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2098	EA	Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22	256.31	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2099	EA	Exit Only Trim Plate (230EO), Von Duprin Series 22	103.71	13.90
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2100	EA	Dummy Trim (230DT), Von Duprin Series 22	120.38	17.38
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2101	EA	Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22	218.89	23.17
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2102	EA	Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22	253.36	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2103	EA	Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22	252.61	34.75
		Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2104		Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 *(08 71 23 00-2087)*		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 23 00-2105	EA	3' Push Bar Exit Device, Rim Type, Narrow Stile	1,103.67	104.26
		Note: Aluminum anodized finish. Von Duprin Series 33/35.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.55*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*162.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*31.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*241.09*	
08 71 23 00-2106	EA	3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile	1,494.71	125.11
		Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*228.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*44.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*339.04*	
08 71 23 00-2107	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile	1,522.84	125.11
		Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*121.78*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*233.68*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*45.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*347.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2108	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,556.04	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*119.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*230.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*44.51*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*342.06*	
08 71 23 00-2109	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,628.61	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*127.39*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*244.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*47.27*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*363.25*	
08 71 23 00-2110	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,730.05	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*137.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*264.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*51.13*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*392.87*	
08 71 23 00-2111	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,802.62	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*145.21*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*278.64*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*53.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*414.06*	
08 71 23 00-2112	EA	Dummy Trim (DT), Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	244.78	17.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*38.99*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*57.94*	
08 71 23 00-2113	EA	Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	309.23	23.17
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.02*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*71.35*	
08 71 23 00-2114	EA	Night Latch (NL) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	487.68	23.17
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*83.08*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*123.46*	
08 71 23 00-2115	EA	Lever Trim (360L) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	612.49	34.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*102.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*151.79*	
08 71 23 00-2116	EA	Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	588.79	34.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*97.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.85*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*144.87*	
08 71 23 00-2117	EA	Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	577.68	34.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*95.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.43*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*141.62*	
08 71 23 00-2118	EA	Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	582.87	34.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*96.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*143.14*	
08 71 23 00-2119		**Push Bar Exit Device, Von Duprin Series 98/99** *(08 71 23 00-2087)* Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 23 00-2120	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	980.75	104.26
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*42.87*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*68.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*108.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*222.76*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*70.27*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*103.30*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2121	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F	1,103.67	104.26
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*50.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*80.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*127.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*261.73*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*82.56*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*121.37*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2122	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99	1,062.94	104.26
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*47.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*76.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*121.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*248.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*78.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*115.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2123	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F	1,182.90	104.26
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*55.20*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*87.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*140.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*286.84*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*90.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*133.02*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2124	EA	3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927	1,382.89	125.11
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*64.00*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*162.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*332.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*104.93*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*154.24*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2125	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F	1,549.51	125.11
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*74.17*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*117.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*188.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*385.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*121.59*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*178.73*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2126	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947	1,461.26	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*100.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*104.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*166.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*341.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*107.67*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*158.27*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2127	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F	1,631.58	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*115.97*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*120.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*193.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*124.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*183.31*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2128	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948	1,635.28	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.31*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*193.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*396.47*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.07*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*183.85*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2129	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F	1,805.59	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.15*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*137.84*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*220.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*450.45*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*142.10*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*208.89*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2130	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC	1,584.92	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*111.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*116.43*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*186.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*380.50*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*120.03*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*176.45*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2131	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F	1,776.71	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*129.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*135.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*215.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*441.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*139.21*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*204.64*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2132	EA	3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957	1,707.23	125.11
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*83.79*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*133.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*212.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*435.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*137.36*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*201.92*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2133	EA	3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,817.56	125.11
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*90.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*143.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*230.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*470.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*148.39*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*218.14*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2134	EA	3' Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,374.59	129.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*38.00*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*99.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*159.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*325.57*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*102.71*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*150.98*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2135	EA	3' Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,499.73	129.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*42.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*111.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*178.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*365.24*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*115.22*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*169.37*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2136	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,513.83	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*105.02*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*109.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*175.03*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*357.97*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*112.92*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*166.00*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2137	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,638.23	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.59*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*194.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*397.40*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.36*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*184.28*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2138	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,642.68	143.65
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*117.00*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*195.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*398.81*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.81*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*184.94*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2139	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F	1,864.82	143.65
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*137.66*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*143.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*229.43*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*469.23*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*148.02*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*217.59*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Cylinder Dogging Indicator (CI), Add	*130.52*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2140	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99	2,103.74	120.48
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*275.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*564.06*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*177.94*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*66.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.38*	
		For Center Case Dogging (CD-CX), Add	*211.69*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2141	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F	2,226.66	120.48
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*294.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*603.03*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*190.23*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*70.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*79.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2142	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975	2,506.85	148.28
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*326.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*666.88*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*210.37*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*78.26*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*87.94*	
		For Center Case Dogging (CD-CX), Add	*211.69*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2143	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F	2,631.99	148.28
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*345.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*706.55*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*222.89*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*82.91*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*93.17*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2144	EA	3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99	1,378.07	120.48
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*163.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*334.03*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*105.37*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*39.20*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*60.48*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*89.92*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2145	EA	3' Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F	1,500.99	120.48
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*182.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*372.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*117.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*43.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*67.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2146	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975	1,781.18	148.28
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*213.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*436.84*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*137.80*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*51.26*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*79.10*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*46.84*	
		For Special Center Case Dogging (SD), Add	*196.09*	
		For Dogging Indicator (DI), Add	*119.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*89.92*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2147	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F	1,906.32	148.28
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*232.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*476.51*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*150.32*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*55.92*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*86.28*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*60.58*	
		For Safety Glow Touchpad, Add	*218.57*	
08 71 23 00-2148	EA	Exit Only Trim Plate (EO), Von Duprin Series 98/99	115.76	13.90
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*2.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*3.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.38*	
08 71 23 00-2149	EA	Dummy Trim (DT), Von Duprin Series 98/99	168.73	17.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.67*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.51*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*20.81*	
08 71 23 00-2150	EA	Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99	268.58	23.17
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.63*	
08 71 23 00-2151	EA	Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99	196.01	23.17
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.93*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.29*	
08 71 23 00-2152	EA	Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99	448.12	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.66*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*60.43*	
08 71 23 00-2153	EA	Lever Trim (L) Without Cylinder, Von Duprin Series 98/99	375.56	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.09*	
08 71 23 00-2154	EA	Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99	375.56	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.09*	
08 71 23 00-2155	EA	Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99	385.68	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.81*	
08 71 23 00-2156	EA	Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99	313.11	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.61*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.47*	
08 71 23 00-2157	EA	Lever Dummy Trim (L-DT), Von Duprin Series 98/99	313.11	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.61*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.47*	
08 71 23 00-2158	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99	375.69	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.74*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.11*	
08 71 23 00-2159	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99	303.12	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.31*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.78*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2160	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99	303.12	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.31*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.78*	
08 71 23 00-2161	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99	370.07	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.16*	
08 71 23 00-2162	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99	297.50	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.22*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.82*	
08 71 23 00-2163	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99	297.50	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.22*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.82*	
08 71 23 00-2164	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99	339.46	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*41.95*	
08 71 23 00-2165	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99	266.90	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*29.62*	
08 71 23 00-2166	EA	Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99	266.90	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*29.62*	
08 71 23 00-2167	EA	Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99	286.67	34.75
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*32.98*	

08 71 23 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 23 00-2087)*

08 71 23 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	737.61	34.75
08 71 23 00-2170	EA	Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914)	552.04	34.75
		Note: 4 amp @ 12 volt DC, 2 amp @ 24 volt DC.		
		For Battery Backup (Includes Board And 2 Batteries), Add	*73.09*	
		For Fire Alarm Interface, Add	*36.54*	
		For 2 Relay Panic Device Control Board, Add	*105.97*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.24*	
		For 4 Relay Output Board, Add	*102.32*	
		For 4 Relay Logic Board, Add	*280.63*	
		For Fused 8 Zone Distribution Board, Add	*36.54*	
08 71 23 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	530.90	34.75
08 71 23 00-2172	EA	Power Supply, 2 Amp (Von Duprin PS902)	243.83	34.75
		Note: 2A@12/24 VDC		
		For Battery Backup (Includes Board And 2 Batteries), Add	*73.09*	
		For Fire Alarm Interface, Add	*36.54*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.24*	
		For 4 Relay Output Board, Add	*102.32*	
		For 4 Relay Logic Board, Add	*280.63*	
		For Fused 8 Zone Distribution Board, Add	*36.54*	
08 71 23 00-2173	EA	Power Supply, 4 Amp (Von Duprin PS904)	377.60	34.75
		Note: 4A@12/24 VDC		
		For Battery Backup (Includes Board And 2 Batteries), Add	*73.09*	
		For Fire Alarm Interface, Add	*36.54*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.24*	
		For 4 Relay Output Board, Add	*102.32*	
		For 4 Relay Logic Board, Add	*280.63*	
		For Fused 8 Zone Distribution Board, Add	*36.54*	
08 71 23 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	165.61	23.17

08 71 23 00-2175 Removable Verticals, Mullions (Von Duprin) *(08 71 23 00-2087)*

08 71 23 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	433.29	23.17
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-340.62*	
08 71 23 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	459.95	23.17
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-367.28*	
08 71 23 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	747.48	23.17
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-654.81*	
08 71 23 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	736.18	27.80
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-624.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	762.83	27.80
		For Owner Furnished Material, Deduct	*-651.62*	
08 71 23 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	821.33	27.80
		For Owner Furnished Material, Deduct	*-710.12*	
08 71 23 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	619.89	23.17
		For Owner Furnished Material, Deduct	*-527.22*	
08 71 23 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	647.29	23.17
		For Owner Furnished Material, Deduct	*-554.62*	
08 71 23 00-2184	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	702.82	23.17
		For Owner Furnished Material, Deduct	*-610.15*	
08 71 23 00-2185	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	951.65	27.80
		For Owner Furnished Material, Deduct	*-840.44*	
08 71 23 00-2186	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	979.05	27.80
		For Owner Furnished Material, Deduct	*-867.84*	
08 71 23 00-2187	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	1,840.01	27.80
		For Owner Furnished Material, Deduct	*-1,728.80*	
08 71 23 00-2188	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	92.60	18.54
		For Owner Furnished Material, Deduct	*-55.53*	
08 71 23 00-2189		Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 23 00-2087)* Note: Grade 1, BHMA 156.3.		
08 71 23 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	1,692.35	104.26
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*178.20*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*205.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*270.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*294.18*	
08 71 23 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	2,181.75	143.65
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*226.44*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*260.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*343.26*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*373.81*	
08 71 23 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	2,382.42	143.65
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*251.73*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*289.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*381.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*415.55*	
08 71 23 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	2,231.36	143.65
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*232.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*267.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*352.73*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*384.13*	
08 71 23 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	2,426.11	143.65
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*257.23*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*296.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*389.93*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*424.63*	
08 71 23 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	1,696.69	129.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.99*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*195.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*257.69*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*280.62*	
08 71 23 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.	1,827.76	129.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*186.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*214.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*282.72*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*307.89*	
08 71 23 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	289.96	17.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.70*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*46.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*50.67*	
08 71 23 00-2198	EA	Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	133.74	24.56
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*9.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.15*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*14.32*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	488.42	24.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*53.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*61.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.90*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*88.10*	
08 71 23 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	525.11	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.49*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*62.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.60*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.95*	
08 71 23 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	428.85	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.36*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*48.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*64.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*69.93*	
08 71 23 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	525.11	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.49*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*62.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.60*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.95*	
08 71 23 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	603.60	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*64.38*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*74.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*97.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*106.27*	

08 71 23 00-2204 Cross Bar Exit Device, Von Duprin Series 88 *(08 71 23 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 23 00-2205	EA	42" Crossbar Exit Device, Rim Type	1,079.97	104.26
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*24.86*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*25.66*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*218.93*	
08 71 23 00-2206	EA	42" Crossbar Exit Device, Rim Type, Fire Rated	1,256.95	104.26
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.35*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.33*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*267.25*	
08 71 23 00-2207	EA	42" Crossbar Exit Device, Surface Vertical Rods	1,395.48	125.11
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*32.92*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*33.98*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*289.89*	
08 71 23 00-2208	EA	42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated	1,778.31	125.11
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*46.23*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*394.40*	
08 71 23 00-2209	EA	42" Crossbar Exit Device, Concealed Vertical Rods	1,350.12	143.65
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*29.93*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*30.90*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*263.59*	
08 71 23 00-2210	EA	42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated	1,698.22	143.65
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*40.72*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.04*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*358.62*	
08 71 23 00-2211	EA	42" Crossbar Exit Device, Mortise Lock	1,443.45	129.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.97*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.07*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*299.18*	
08 71 23 00-2212	EA	42" Crossbar Exit Device, Mortise Lock, Fire Rated	1,533.79	129.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*36.77*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*37.96*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*323.85*	
08 71 23 00-2213	EA	Dummy Trim (DT), Von Duprin Series 88	163.34	17.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*3.63*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*3.74*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*31.94*	
08 71 23 00-2214	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88	261.09	23.17
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*6.08*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*6.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*53.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2215	EA	Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88	452.55	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*11.16*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*11.52*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*98.25*	
08 71 23 00-2216	EA	Lever Trim (373L) With Cylinder, Von Duprin Series 88	422.93	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.24*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.57*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*90.16*	
08 71 23 00-2217	EA	Knob Trim (K) With Cylinder, Von Duprin Series 88	322.96	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.14*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.37*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*62.87*	
08 71 23 00-2218	EA	Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88	322.96	34.75
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.14*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.37*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*62.87*	
08 71 23 00-2219		**Push Bar Exit Device, Precision Hardware Apex 2000 Series** *(08 71 23 00-2087)*		
		Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 23 00-2220	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	1,112.97	104.26
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-834.94*	
08 71 23 00-2221	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	1,170.34	104.26
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-892.31*	
08 71 23 00-2222	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	1,512.06	125.11
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-1,178.43*	
08 71 23 00-2223	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	1,569.43	125.11
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-1,235.80*	
08 71 23 00-2224	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	136.72	13.90
		For Owner Furnished Material, Deduct	*-99.65*	
08 71 23 00-2225	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	349.06	17.38
		For Owner Furnished Material, Deduct	*-302.72*	
08 71 23 00-2226	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	395.39	34.75
		For Owner Furnished Material, Deduct	*-302.72*	
08 71 23 00-2227	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	470.89	34.75
		For Owner Furnished Material, Deduct	*-378.22*	
08 71 23 00-2228	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	470.89	34.75
		For Owner Furnished Material, Deduct	*-378.22*	
08 71 23 00-2229	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	470.89	34.75
		For Owner Furnished Material, Deduct	*-378.22*	
08 71 23 00-2230	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	103.50	13.90
		For Owner Furnished Material, Deduct	*-66.43*	
08 71 23 00-2231	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	210.91	17.38
		For Owner Furnished Material, Deduct	*-164.57*	
08 71 23 00-2232	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	229.44	23.17
		For Owner Furnished Material, Deduct	*-164.57*	
08 71 23 00-2233	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	323.67	34.75
		For Owner Furnished Material, Deduct	*-231.00*	
08 71 23 00-2234	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	323.67	34.75
		For Owner Furnished Material, Deduct	*-231.00*	
08 71 23 00-2235		**Door Closers** *(08 71 23)*		
		Note: Includes standard cover and arm.		
08 71 23 00-2236	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	294.72	26.87
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 23 00-2237	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	347.34	26.87
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2238	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)	355.71	26.87
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 23 00-2239	EA	Surface Mounted High Security Door Closer, Metal Cover (LCN 4510)	366.18	26.87
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 23 00-2240	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	255.31	26.87
		For Parallel Arm, Add	*22.40*	
08 71 23 00-2241	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	257.07	26.87
		For Parallel Arm, Add	*22.40*	

08 71 23 00-2242 Concealed Door Closers *(08 71 23)*

08 71 23 00-2243	EA	Floor Concealed Door Closer, Non Hold Open (Rixson 27/28)	838.70	79.70
08 71 23 00-2244	EA	Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27)	888.02	79.70
08 71 23 00-2245	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	410.41	32.44
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 23 00-2246	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	439.26	32.44
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 23 00-2247 Locks And Latches *(08 71 23)*

Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.

08 71 23 00-2248 Locksmith Services *(08 71 23 00-2247)*

08 71 23 00-2249	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	1.12	
		For >50, Deduct	*-0.22*	
08 71 23 00-2250	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	111.26	
		For >5, Deduct	*-11.13*	
08 71 23 00-2251	EA	Replace Cylinder With Owner Supplied Cylinder	111.26	
		For >5, Deduct	*-11.13*	
08 71 23 00-2252	EA	Replace Cylinder With New Cylinder Note: Excludes core.	123.20	
		For >5, Deduct	*-11.13*	
08 71 23 00-2253	EA	Open Locked Doors	111.26	
08 71 23 00-2254	EA	Install Owner Furnished Cores And Cylinders	46.67	

08 71 23 00-2255 Mortise Locksets And Latchsets *(08 71 23 00-2247)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 23 00-2256	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	482.96	23.17
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*12.88*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*11.71*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*19.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*137.77*	
08 71 23 00-2257	EA	Bath/Bedroom Privacy F02 Mortise Lockset Note: Locked with thumb knob inside.	569.68	23.17
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*15.74*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*23.85*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*168.38*	
08 71 23 00-2258	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	631.02	23.17
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*17.77*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*16.15*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*26.92*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*190.04*	
08 71 23 00-2259	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	590.73	23.17
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*16.44*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.94*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*24.90*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*175.82*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*43.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2260	EA	Storeroom/Closet F07 Mortise Lockset	590.73	23.17
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*16.44*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.94*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*24.90*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*175.82*	
08 71 23 00-2261	EA	Entrance F08 Mortise Lockset	656.70	23.17
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*18.61*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*16.92*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*28.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*199.10*	
08 71 23 00-2262	EA	Dormitory/Exit F13 Mortise Lockset	569.08	23.17
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*15.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.29*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*23.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*168.17*	

08 71 23 00-2263 Locks And Latches *(08 71 23 00-2247)*

08 71 23 00-2264 Preassembled Locks And Latches *(08 71 23 00-2263)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 23 00-2265	EA	Passage/Closet F36 Pre-Assembled Latchset	896.72	23.17
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*24.82*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*41.36*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*292.01*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*153.86*	
		For Grade 2, Deduct	*-321.78*	
08 71 23 00-2266	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset	969.04	23.17
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*26.99*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*44.98*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*317.53*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*167.31*	
		For Grade 2, Deduct	*-349.92*	
08 71 23 00-2267	EA	Entrance/Office F41 Pre-Assembled Lockset	1,098.72	23.17
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.88*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.46*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*191.43*	
		For Grade 2, Deduct	*-400.36*	
08 71 23 00-2268	EA	Classroom F42 Pre-Assembled Lockset	1,098.72	23.17
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.88*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.46*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*191.43*	
		For Grade 2, Deduct	*-400.36*	
08 71 23 00-2269	EA	Storeroom/Closet F44 Pre-Assembled Lockset	1,098.72	23.17
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.88*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.46*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*191.43*	
		For Grade 2, Deduct	*-400.36*	

08 71 23 00-2270 Bored Locks And Latches *(08 71 23 00-2263)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 23 00-2271	EA	Passage/Closet F75 Bored Latchset	204.07	23.17
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*3.34*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*5.57*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*39.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*20.72*	
		For Grade 2, Deduct	*-5.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.23*	
		For Interchangeable Core, Add	*9.45*	
08 71 23 00-2272	EA	Bath/Bedroom Privacy F76 Bored Lockset	230.64	23.17
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.14*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*6.90*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*48.70*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*25.66*	
		For Grade 2, Deduct	*-6.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.76*	
		For Interchangeable Core, Add	*9.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2273	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside.	252.06	23.17
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.97*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.65*	
		For Grade 2, Deduct	*-7.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 23 00-2274	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked.	252.06	23.17
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.97*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.65*	
		For Grade 2, Deduct	*-7.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 23 00-2275	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	252.06	23.17
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.97*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.65*	
		For Grade 2, Deduct	*-7.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 23 00-2276	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	252.06	23.17
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.97*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.65*	
		For Grade 2, Deduct	*-7.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	

08 71 23 00-2277 Other Locks *(08 71 23 00-2247)*

Note: BHMA A156.5.

08 71 23 00-2278	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	690.42	120.48
08 71 23 00-2279	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,532.21	240.95

08 71 23 00-2280 Pushbutton Combination Locks *(08 71 23 00-2247)*

08 71 23 00-2281 Mechanical Pushbutton Combination Locks *(08 71 23 00-2280)*

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

08 71 23 00-2282 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) *(08 71 23 00-2281)*

Note: Satin chrome or antique brass finish.

08 71 23 00-2283	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	529.62	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2284	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	564.48	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2285	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	578.42	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2286	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	613.28	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2287	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	588.88	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2288	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	623.73	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2289	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	637.68	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2290	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	672.53	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	

08 71 23 00-2291 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) *(08 71 23 00-2281)*

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2292	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	580.51	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 23 00-2293	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	608.40	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 23 00-2294	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	664.17	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 23 00-2295	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	685.08	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 23 00-2296	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	685.08	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 23 00-2297	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	650.22	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 23 00-2298 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)

(08 71 23 00-2281)

Note: Satin chrome or antique brass finish.

08 71 23 00-2299	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	689.96	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 23 00-2300	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	710.87	58.33
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	

08 71 23 00-2301 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 23 00-2281)

Note: Satin stainless, bright brass or antique brass finish.

08 71 23 00-2302	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	329.54	58.33
08 71 23 00-2303	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	421.57	58.33

08 71 23 00-2304 Electrical Pushbutton Combination Locks *(08 71 23 00-2280)*

Note: Privacy option limits access to privileged users (master codes).

08 71 23 00-2305 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 23 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 23 00-2306	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	547.05	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2307	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	630.70	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2308	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	651.62	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2309	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	616.76	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2310	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	581.90	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2311	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	651.62	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2312	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	665.56	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2313	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	686.47	58.33
		For Satin Brass Finish, Add	*17.50*	
08 71 23 00-2314	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	651.62	58.33
		For Satin Brass Finish, Add	*17.50*	

08 71 23 00-2315 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 23 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2316	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	686.47	58.33
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2317	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	686.47	58.33
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2318		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 23 00-2304)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2319	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	794.53	58.33
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2320	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	794.53	58.33
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2321		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 23 00-2304)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2322	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	850.30	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2323	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	920.01	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2324	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	933.96	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2325	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	954.87	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2326	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	920.01	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2327		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 23 00-2304)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2328	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,181.44	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2329	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,251.15	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2330	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,265.09	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2331	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,286.01	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		
08 71 23 00-2332	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,251.15	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.00*	
		Note: Excludes momentary contact switch.		

08 71 23 00-2333 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 23 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 23 00-2334	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,655.49	58.33
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 23 00-2335 Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 23 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 23 00-2336	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,059.44	58.33
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 23 00-2337 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 23 00-2304)*

08 71 23 00-2338	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	535.23	
08 71 23 00-2339	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	674.66	
08 71 23 00-2340	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	883.80	
08 71 23 00-2341	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	271.11	
08 71 23 00-2342	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	81.89	
		Note: Includes 4 C-cell battery pack.		
08 71 23 00-2343	EA	12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	96.53	

08 71 23 00-2344 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 23 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 23 00-2345	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	669.05	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-435.71*	
08 71 23 00-2346	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	752.70	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-519.36*	
08 71 23 00-2347	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	773.62	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-540.28*	
08 71 23 00-2348	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	738.76	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-505.42*	
08 71 23 00-2349	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	703.90	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-470.56*	
08 71 23 00-2350	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	773.62	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-540.28*	
08 71 23 00-2351	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	787.56	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-554.22*	
08 71 23 00-2352	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	808.47	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-575.13*	
08 71 23 00-2353	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	773.62	58.33
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-540.28*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2354		**Electrical Pushbutton Combination Locks (Schlage)** *(08 71 23 00-2304)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 23 00-2355	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	635.50	57.92
		For Owner Furnished Material, Deduct	*-403.81*	
08 71 23 00-2356	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	726.16	57.92
		For Owner Furnished Material, Deduct	*-494.47*	
08 71 23 00-2357	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	811.51	57.92
		For Owner Furnished Material, Deduct	*-579.82*	
08 71 23 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,041.08	57.92
		For Owner Furnished Material, Deduct	*-809.39*	
08 71 23 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,132.32	57.92
		For Owner Furnished Material, Deduct	*-900.63*	
08 71 23 00-2360	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,239.46	57.92
		For Owner Furnished Material, Deduct	*-1,007.77*	
08 71 23 00-2361	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,144.10	57.92
		For Owner Furnished Material, Deduct	*-912.41*	
08 71 23 00-2362		**Residential Locks And Latchsets** *(08 71 23 00-2247)*		
08 71 23 00-2363	EA	Residential Entry Lockset With Knobs (Master Keyed)	64.85	14.00
08 71 23 00-2364	EA	Residential Privacy Lockset With Knobs	63.86	14.00
08 71 23 00-2365	EA	Residential Passage Lockset With Knobs	63.72	14.00
08 71 23 00-2366	EA	Residential Dummy Lockset With Knobs	51.25	11.66
08 71 23 00-2367	EA	Residential Entry Lockset With Levers (Master Keyed)	71.72	14.00
08 71 23 00-2368	EA	Residential Privacy Lockset With Levers	69.44	14.00
08 71 23 00-2369	EA	Residential Passage Lockset With Levers	67.79	14.00
08 71 23 00-2370	EA	Residential Dummy Lockset With Levers	52.03	11.66
08 71 23 00-2371	EA	Screen Door - Closer	37.38	10.08
08 71 23 00-2372	EA	Screen Door - Locking Handle	43.06	14.47
08 71 23 00-2373		**Deadbolts** *(08 71 23 00-2247)*		
08 71 23 00-2374		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 23 00-2373)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2375	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	135.09	23.17
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 23 00-2376	EA	Double Cylinder Deadbolt, Key Both Sides	151.22	23.17
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 23 00-2377		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 23 00-2373)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2378	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	124.03	23.17
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 23 00-2379	EA	Double Cylinder Deadbolt, Key Both Sides	141.66	23.17
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 23 00-2380		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 23 00-2373)*		
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 23 00-2381	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side	173.94	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2382	EA	Small Case Mortised Deadbolt, Key Both Sides	188.87	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 23 00-2383	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side	170.95	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2384		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 23 00-2373)*		
		Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 23 00-2385	EA	Mortised Deadbolt, Key One Side, Knob One Side	214.57	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 23 00-2386	EA	Mortised Deadbolt, Key Both Sides	239.07	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 23 00-2387	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side	193.65	23.17
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2388		**Surface Mounted Deadbolts** *(08 71 23 00-2373)*		
08 71 23 00-2389	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	99.96	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2390	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	110.76	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2391	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	119.34	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2392	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	130.14	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2393		**Surface Mounted Deadlatches** *(08 71 23 00-2247)*		
08 71 23 00-2394	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	100.81	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2395	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	119.38	23.17
		For Brushed Chrome Finish, Add	*10.50*	
08 71 23 00-2396		**Electric Strikes** *(08 71 23 00-2247)*		
08 71 23 00-2397	EA	Aluminum/Steel Body Electric Strike (Von Duprin 5100)	261.32	46.34
08 71 23 00-2398	EA	Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112)	541.86	46.34
08 71 23 00-2399	EA	Stainless Steel Body Electric Strike (Von Duprin 6215)	570.43	46.34
08 71 23 00-2400	EA	Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006)	408.70	46.34
08 71 23 00-2401	EA	Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500)	406.48	46.34
08 71 23 00-2402	EA	Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000)	215.20	46.34
08 71 23 00-2403	EA	Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200)	215.20	46.34
08 71 23 00-2404	EA	Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000)	267.15	46.34
08 71 23 00-2405	EA	Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500)	450.91	46.34
08 71 23 00-2406	EA	Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000)	239.26	46.34
08 71 23 00-2407	EA	Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300)	416.97	46.34
08 71 23 00-2408	EA	Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500)	372.17	46.34
08 71 23 00-2409	EA	Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400)	446.22	61.16
08 71 23 00-2410	EA	Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500)	502.08	61.16
08 71 23 00-2411	EA	Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600)	446.51	61.16
08 71 23 00-2412		**Electric Hardware** *(08 71 23 00-2247)*		
08 71 23 00-2413	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	126.71	
08 71 23 00-2414	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	145.39	
08 71 23 00-2415	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	81.62	23.17
08 71 23 00-2416	EA	1 Amp At 12/24 Volt DC, Door Hardware Power Supply	240.00	23.17
08 71 23 00-2417	EA	3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply	407.00	23.17
08 71 23 00-2418	EA	4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply	616.21	23.17
08 71 23 00-2419	EA	6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply	680.12	23.17
08 71 23 00-2420	EA	9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply	809.78	23.17
08 71 23 00-2421	EA	15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply	979.21	23.17
08 71 23 00-2422	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	70.75	23.17
08 71 23 00-2423	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	72.04	23.17
08 71 23 00-2424	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	79.90	23.17
08 71 23 00-2425	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	81.46	23.17
08 71 23 00-2426	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	82.26	23.17
08 71 23 00-2427	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	86.77	23.17
08 71 23 00-2428	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	71.57	23.17
08 71 23 00-2429	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	77.87	23.17
08 71 23 00-2430	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	82.87	23.17
08 71 23 00-2431	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	91.50	23.17
08 71 23 00-2432	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	93.89	23.17
08 71 23 00-2433	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	79.45	23.17
08 71 23 00-2434	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	88.28	23.17
08 71 23 00-2435	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	58.48	23.17
08 71 23 00-2436	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	65.30	23.17
08 71 23 00-2437	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	68.92	23.17
08 71 23 00-2438	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	72.78	23.17
08 71 23 00-2439	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	92.90	23.17
08 71 23 00-2440	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	101.30	23.17
08 71 23 00-2441	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	61.27	23.17
08 71 23 00-2442	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	63.90	23.17
08 71 23 00-2443	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	71.74	23.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2444	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	84.22	23.17
08 71 23 00-2445	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	95.38	23.17
08 71 23 00-2446	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	113.72	23.17
08 71 23 00-2447	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	65.66	23.17
08 71 23 00-2448	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	69.70	23.17
08 71 23 00-2449	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	419.43	23.17
08 71 23 00-2450	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	459.96	32.44

08 71 23 00-2451 Magnetic Locks *(08 71 23 00-2247)*

08 71 23 00-2452	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	530.70	111.21
08 71 23 00-2453	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	633.66	125.11
08 71 23 00-2454	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	613.69	111.21
08 71 23 00-2455	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	716.49	125.11
08 71 23 00-2456	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	643.81	120.48
08 71 23 00-2457	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	700.73	120.48
08 71 23 00-2458	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	745.04	120.48
08 71 23 00-2459	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	820.97	139.01
08 71 23 00-2460	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	896.64	139.01
08 71 23 00-2461	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	930.72	139.01
08 71 23 00-2462	EA	2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	280.55	46.34
08 71 23 00-2463	EA	4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	450.54	46.34
08 71 23 00-2464	EA	6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	538.89	46.34

08 71 23 00-2465 Door Coordinators *(08 71 23)*

08 71 23 00-2466	EA	32" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets.	320.75	28.96
		For Anodized Aluminum Finish, Deduct	*-81.96*	
08 71 23 00-2467	EA	42" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets.	336.58	30.12
		For Anodized Aluminum Finish, Deduct	*-86.44*	
08 71 23 00-2468	EA	52" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets.	344.98	31.28
		For Anodized Aluminum Finish, Deduct	*-87.95*	
08 71 23 00-2469	EA	60" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets.	359.82	32.44
		For Anodized Aluminum Finish, Deduct	*-92.03*	
08 71 23 00-2470	EA	72" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets.	384.68	33.59
		For Anodized Aluminum Finish, Deduct	*-100.12*	
08 71 23 00-2471	EA	Up To 20" Filler Bar For Door Coordinator	77.76	9.26
		For Anodized Aluminum Finish, Deduct	*-16.28*	
08 71 23 00-2472	EA	Up To 32" Filler Bar For Door Coordinator	85.84	10.43
		For Anodized Aluminum Finish, Deduct	*-17.66*	
08 71 23 00-2473	EA	Up To 44" Filler Bar For Door Coordinator	98.27	11.59
		For Anodized Aluminum Finish, Deduct	*-20.77*	
08 71 23 00-2474	EA	CB1 Carry Bar For Door Coordinator	75.27	11.59
		For Anodized Aluminum Finish, Deduct	*-11.57*	
08 71 23 00-2475	EA	7" Projection COR Series Gravity Type Door Coordinator	111.48	17.38
		For Anodized Aluminum Finish, Deduct	*-16.79*	
08 71 23 00-2476	EA	9" Projection COR Series Gravity Type Door Coordinator	118.19	17.38
		For Anodized Aluminum Finish, Deduct	*-19.47*	

08 71 23 00-2477 Removal And Reinstallation Of Door Hardware *(08 71 23)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0041 for removal and reinstallation of door.

08 71 23 00-2478	EA	Removal And Reinstallation Of Door Lockset, Entrance	69.51	
08 71 23 00-2479	EA	Removal And Reinstallation Of Door Lockset, Mortise	111.21	
08 71 23 00-2480	EA	Removal And Reinstallation Of Deadbolt Lock	74.14	
08 71 23 00-2481	PR	Removal And Reinstallation Of Butts/Hinges	18.54	
08 71 23 00-2482	EA	Removal And Reinstallation Of Door Bumper	6.49	
08 71 23 00-2483	EA	Removal And Reinstallation Of Surface Mounted Panic Device	185.35	
08 71 23 00-2484	EA	Removal And Reinstallation Of Kick Plate	23.16	
08 71 23 00-2485	EA	Removal And Reinstallation Of Push Plate	18.54	
08 71 23 00-2486	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	92.67	
08 71 23 00-2487	EA	Removal And Reinstallation Of Door Handles	13.91	

08 71 23 00-2488 Electromagnetic Door Release *(08 71 23)*

08 71 23 00-2489	EA	Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	406.94	58.39
08 71 23 00-2490	EA	Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	398.59	58.39
08 71 23 00-2491	EA	Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	440.69	58.39
08 71 23 00-2492	EA	Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC	689.15	58.39
08 71 23 00-2493	EA	Electro-Magnetic Door Release, Sliding Door 24 Volt DC	667.00	58.39
08 71 23 00-2494	EA	Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	667.00	58.39
08 71 23 00-2495	EA	Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	612.81	58.39
08 71 23 00-2496	EA	Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	749.82	58.39

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71 23 00-2497	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	726.16	58.39
	08 71 23 00-2498	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	880.29	58.39
	08 71 23 00-2499	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	448.69	58.39
	08 71 23 00-2500	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	442.22	58.39
	08 71 23 00-2501	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	644.66	58.39
	08 71 23 00-2502	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	469.39	58.39
	08 71 23 00-2503	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	469.39	58.39
	08 71 23 00-2504	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	469.39	58.39

08 71 33 Weatherstripping And Seals *(08 71)*

08 71 33 00-0001 Weather-Stripping And Seals *(08 71 33)*

08 71 33 00-0002 Astragals *(08 71 33 00-0001)*

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 71 33 00-0003 Adhesive Backed Astragals *(08 71 33 00-0002)*

	08 71 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	4.09	0.69
	08 71 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	4.56	0.69
	08 71 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	3.47	0.69

08 71 33 00-0007 Overlapping Astragals *(08 71 33 00-0002)*

08 71 33 00-0008 Aluminum, Overlapping Astragals *(08 71 33 00-0007)*

	08 71 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	16.17	4.17
			For Color Anodized Finish, Add	*2.38*	

08 71 33 00-0010 Stainless Steel, Overlapping Astragals *(08 71 33 00-0007)*

	08 71 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	33.08	4.17

08 71 33 00-0012 "T" Astragals *(08 71 33 00-0002)*

08 71 33 00-0013 Aluminum, "T" Astragals *(08 71 33 00-0012)*

	08 71 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	10.37	4.17
			For Color Anodized Finish, Add	*0.75*	
	08 71 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	13.16	4.17
			For Color Anodized Finish, Add	*0.98*	
	08 71 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	13.59	4.17
			For Color Anodized Finish, Add	*1.87*	
			For Silicone Insert, Add	*0.63*	
	08 71 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	25.51	4.17
			For Color Anodized Finish, Add	*6.04*	

08 71 33 00-0018 Brass/Bronze, "T" Astragals *(08 71 33 00-0012)*

	08 71 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	47.85	4.17
			For Silicone Insert, Add	*0.63*	

08 71 33 00-0020 Locking Astragals *(08 71 33 00-0002)*

08 71 33 00-0021 Outswing Locking Astragals *(08 71 33 00-0020)*

Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.

08 71 33 00-0022 Aluminum, Outswing Locking Astragals *(08 71 33 00-0021)*

	08 71 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	34.28	4.17
			For Color Anodized Finish, Add	*5.21*	
	08 71 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	39.86	4.17
			For Color Anodized Finish, Add	*6.32*	
	08 71 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	38.51	4.17
			For Thermal Break, Add	*1.82*	
	08 71 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	43.05	4.17
			For Thermal Break, Add	*2.09*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0027		**Inswing Locking Astragals** *(08 71 33 00-0020)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 33 00-0028		**Wood, Inswing Locking Astragals** *(08 71 33 00-0027)*		
08 71 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	40.21	4.17
08 71 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	40.00	4.17
		Note: Includes kerf-in foam seal.		
08 71 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 71 33 00-0027)*		
08 71 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	22.58	4.17
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.87*	
08 71 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	27.25	4.17
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.80*	
08 71 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	24.35	4.17
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.22*	
08 71 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	28.97	4.17
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.15*	
08 71 33 00-0036		**Security Astragals** *(08 71 33 00-0002)*		
08 71 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	21.03	4.17
		For Color Anodized Finish, Add	*12.79*	
08 71 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	35.71	4.17
08 71 33 00-0039		**Meeting Stile Astragals** *(08 71 33 00-0002)*		
08 71 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 71 33 00-0039)*		
		Note: Includes an astragal for one door only.		
08 71 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	13.00	4.17
		For Color Anodized Finish, Add	*1.43*	
08 71 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	20.31	6.20
		For Color Anodized Finish, Add	*3.17*	
08 71 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	27.21	6.20
		For Color Anodized Finish, Add	*1.48*	
08 71 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	28.09	6.20
		For Color Anodized Finish, Add	*3.93*	
08 71 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	30.25	6.20
08 71 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 71 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 71 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	16.03	6.20
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.65*	
08 71 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	16.03	6.20
		For Color Anodized Finish, Add	*3.65*	
08 71 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	16.03	6.20
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.65*	
08 71 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	25.70	6.20
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.66*	
08 71 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	20.94	6.20
		For Color Anodized Finish, Add	*3.42*	
08 71 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	21.58	6.20
		For Color Anodized Finish, Add	*3.68*	
08 71 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	26.34	6.20
		For Color Anodized Finish, Add	*6.98*	
		For Silicone Insert, Add	*0.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	26.97	6.20
		For Color Anodized Finish, Add	*5.84*	
08 71 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	27.60	6.20
		For Color Anodized Finish, Add	*6.09*	
08 71 33 00-0056		**Two Piece, Adjustable Meeting Stile Split Astragals** *(08 71 33 00-0039)* Note: Includes one astragal for each door.		
08 71 33 00-0057		**Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 71 33 00-0056)*		
08 71 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	50.12	6.20
		For Color Anodized Finish, Add	*9.44*	
		For Silicone Insert, Add	*0.63*	
08 71 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	51.12	6.20
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*7.75*	
08 71 33 00-0060		**Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 71 33 00-0056)*		
08 71 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	146.55	6.20
		For Silicone Insert, Add	*0.63*	
08 71 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	137.16	6.20
		For Silicone Insert, Add	*0.63*	
08 71 33 00-0063		**Door Sweeps** *(08 71 33 00-0001)*		
08 71 33 00-0064		**Tack On Door Sweeps** *(08 71 33 00-0063)*		
08 71 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	5.75	2.31
08 71 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	5.84	2.31
08 71 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	6.12	2.31
08 71 33 00-0068		**Aluminum Retainer Door Sweeps** *(08 71 33 00-0063)*		
08 71 33 00-0069		**35 Degree, Aluminum Retainer Door Sweeps** *(08 71 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	13.86	4.63
		For Color Anodized Finish, Add	*1.84*	
08 71 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	14.33	4.63
		For Color Anodized Finish, Add	*1.77*	
08 71 33 00-0072		**45 Degree, Aluminum Retainer Door Sweeps** *(08 71 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	21.95	4.63
		For Color Anodized Finish, Add	*5.08*	
08 71 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	23.85	4.63
		For Color Anodized Finish, Add	*5.84*	
08 71 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	27.97	4.63
		For Color Anodized Finish, Add	*7.48*	
08 71 33 00-0076		**90 Degree, Aluminum Retainer Door Sweeps** *(08 71 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	15.44	4.63
		For Color Anodized Finish, Add	*0.62*	
08 71 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	15.29	4.63
		For Color Anodized Finish, Add	*0.60*	
08 71 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	16.40	4.63
		For Color Anodized Finish, Add	*2.50*	
08 71 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	16.87	4.63
		For Color Anodized Finish, Add	*3.04*	
08 71 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	14.97	4.63
		For Color Anodized Finish, Add	*1.43*	
08 71 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	19.41	4.63
		For Color Anodized Finish, Add	*2.03*	
08 71 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	15.92	4.63
		For Color Anodized Finish, Add	*1.33*	
08 71 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	11.76	4.63
		For Color Anodized Finish, Add	*1.25*	
08 71 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	11.88	4.63
		For Color Anodized Finish, Add	*1.31*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	13.22	4.63
		For Color Anodized Finish, Add	*1.39*	
08 71 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 71 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 71 33 00-0087)*		
08 71 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	13.54	4.63
		For Color Anodized Finish, Add	*1.71*	
08 71 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	13.86	4.63
		For Color Anodized Finish, Add	*1.84*	
08 71 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	16.40	4.63
		For Color Anodized Finish, Add	*2.50*	
08 71 33 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 71 33 00-0087)*		
08 71 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	16.55	4.63
		For Color Anodized Finish, Add	*2.92*	
08 71 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	16.87	4.63
		For Color Anodized Finish, Add	*3.04*	
08 71 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	18.21	4.63
		For Color Anodized Finish, Add	*3.58*	
08 71 33 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 71 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	12.11	4.63
08 71 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	12.11	4.63
08 71 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	12.27	4.63
08 71 33 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 71 33 00-0063)*		
08 71 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 71 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 71 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	11.80	4.63
		For Color Anodized Finish, Add	*1.78*	
08 71 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	13.86	4.63
		For Color Anodized Finish, Add	*1.84*	
08 71 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	15.41	4.63
		For Color Anodized Finish, Add	*1.23*	
08 71 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	15.68	4.63
		For Color Anodized Finish, Add	*1.28*	
08 71 33 00-0106		Brass/Bronze Retainer Door Sweeps *(08 71 33 00-0063)*		
08 71 33 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 71 33 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	18.78	4.63
08 71 33 00-0109		Oak Retainer Door Sweeps *(08 71 33 00-0063)*		
08 71 33 00-0110		90 Degree, Oak Retainer Door Sweeps *(08 71 33 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	15.13	4.63
08 71 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	17.63	4.63
08 71 33 00-0113		Door Shoes And Bottoms *(08 71 33 00-0001)*		
08 71 33 00-0114		Door Shoes *(08 71 33 00-0113)*		
08 71 33 00-0115		Aluminum Retainer Door Shoes *(08 71 33 00-0114)*		
08 71 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes *(08 71 33 00-0115)*		
08 71 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	13.07	4.63
		For Color Anodized Finish, Add	*1.52*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 71 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	13.54	4.63
		For Color Anodized Finish, Add	*1.71*	
08 71 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	18.14	4.63
		For Color Anodized Finish, Add	*1.78*	
08 71 33 00-0120		Side Mount, Aluminum Retainer Door Shoes *(08 71 33 00-0115)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	15.13	4.63
		For Color Anodized Finish, Add	*2.35*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 71 33 00-0122		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 71 33 00-0115)*		
08 71 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	13.86	4.63
		For Color Anodized Finish, Add	*2.30*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	14.81	4.63
		For Color Anodized Finish, Add	*2.22*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	15.13	4.63
		For Color Anodized Finish, Add	*2.35*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	21.58	4.63
		For Color Anodized Finish, Add	*2.46*	
08 71 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	21.89	4.63
		For Color Anodized Finish, Add	*2.53*	
08 71 33 00-0128		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 71 33 00-0115)*		
08 71 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	14.18	4.63
		For Color Anodized Finish, Add	*2.46*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	15.13	4.63
		For Color Anodized Finish, Add	*2.35*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	15.29	4.63
		For Color Anodized Finish, Add	*2.41*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 33 00-0132		**Vinyl Door Shoes** *(08 71 33 00-0114)*		
08 71 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	17.28	4.63
08 71 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	20.89	4.63
08 71 33 00-0135		**Door Bottoms** *(08 71 33 00-0113)*		
08 71 33 00-0136		**Automatic Door Bottoms** *(08 71 33 00-0135)*		
08 71 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 71 33 00-0136)*		
08 71 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	30.14	4.63
		For Color Anodized Finish, Add	*4.18*	
08 71 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	43.22	4.63
		For Color Anodized Finish, Add	*6.79*	
08 71 33 00-0140		**Door Top Protection** *(08 71 33 00-0001)*		
08 71 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	10.89	3.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.95*	
08 71 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	10.89	3.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.95*	
08 71 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	12.72	3.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.45*	
08 71 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	52.43	
08 71 33 00-0145		**Perimeter Gasketing Weather-Strip** *(08 71 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 33 00-0146		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 71 33 00-0145)*		
08 71 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	3.43	2.31
		For Intumescent Seal, Add	*1.50*	
08 71 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	3.47	2.31
		For Intumescent Seal, Add	*1.50*	
08 71 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	3.99	2.31
08 71 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.78	2.31
08 71 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	5.01	2.31
		For Intumescent Seal, Add	*1.50*	
08 71 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	4.64	2.31
		For Intumescent Seal, Add	*1.50*	
08 71 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	6.16	2.31
08 71 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.69	2.31
08 71 33 00-0155		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 71 33 00-0145)*		
08 71 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	3.05	2.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	4.60	2.31
08 71 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	3.42	2.31
08 71 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	3.38	2.31
08 71 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	4.44	2.31
08 71 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip *(08 71 33 00-0145)*		
08 71 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip *(08 71 33 00-0161)*		
08 71 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	7.19	2.31
08 71 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	7.19	2.31
08 71 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	7.71	2.31
08 71 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	7.81	2.31
08 71 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 71 33 00-0161)*		
08 71 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	6.91	2.31
08 71 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	7.71	2.31
08 71 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.57	2.31
08 71 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0145)*		
08 71 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0171)*		
08 71 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	6.45	2.31
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.82*	
08 71 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	6.45	2.31
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.82*	
08 71 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	6.45	2.31
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.82*	
08 71 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	11.29	2.31
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.33*	
08 71 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	11.61	2.31
		For Color Anodized Finish, Add	*3.49*	
		For Silicone Insert, Add	*0.95*	
08 71 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	11.61	2.31
		For Color Anodized Finish, Add	*2.44*	
08 71 33 00-0179		Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0171)*		
08 71 33 00-0180		Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0179)*		
08 71 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	11.05	2.31
		For Silicone Insert, Add	*0.95*	
08 71 33 00-0182		Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0179)*		
08 71 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	12.31	2.31
08 71 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0145)*		
08 71 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0184)*		
08 71 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	20.01	2.31
		For Silicone Insert, Add	*1.58*	
08 71 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	33.79	2.31
08 71 33 00-0188		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0184)*		
08 71 33 00-0189		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0188)*		
08 71 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	29.20	2.31
		For Silicone Insert, Add	*0.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 71 33 00-0145)*		
08 71 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	15.83	4.63
		For Color Anodized Finish, Add	*2.63*	
08 71 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	16.38	4.63
		For Color Anodized Finish, Add	*2.85*	
08 71 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 71 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	20.26	2.31
		For Color Anodized Finish, Add	*3.13*	
08 71 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	21.37	2.31
		For Color Anodized Finish, Add	*3.35*	
08 71 43		**Thresholds** *(08 71)*		
08 71 43 00-0001		Thresholds *(08 71 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 43 00-0002		Metal Thresholds *(08 71 43 00-0001)*		
08 71 43 00-0003		Saddle Thresholds *(08 71 43 00-0002)*		
08 71 43 00-0004		Aluminum Saddle Thresholds *(08 71 43 00-0003)* Note: Includes mill finish.		
08 71 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 71 43 00-0004)*		
08 71 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	24.56	7.41
		For Color Anodized Finish, Add	*2.41*	
08 71 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 71 43 00-0004)*		
08 71 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	27.25	7.41
		For Color Anodized Finish, Add	*3.49*	
08 71 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	31.72	9.26
		For Color Anodized Finish, Add	*5.99*	
08 71 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	34.75	9.26
		For Color Anodized Finish, Add	*5.80*	
08 71 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	38.38	9.26
		For Color Anodized Finish, Add	*5.33*	
08 71 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	43.78	9.26
		For Color Anodized Finish, Add	*5.16*	
08 71 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	52.54	11.12
		For Color Anodized Finish, Add	*6.19*	
08 71 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	56.19	11.12
		For Color Anodized Finish, Add	*7.10*	
08 71 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	62.00	11.12
		For Color Anodized Finish, Add	*8.55*	
08 71 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 71 43 00-0004)*		
08 71 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	26.78	7.41
		For Color Anodized Finish, Add	*2.89*	
08 71 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 71 43 00-0004)*		
08 71 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	26.93	7.41
		For Color Anodized Finish, Add	*4.20*	
08 71 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	32.99	9.26
		For Color Anodized Finish, Add	*6.88*	
08 71 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	36.08	9.26
		For Color Anodized Finish, Add	*6.46*	
08 71 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	38.70	9.26
		For Color Anodized Finish, Add	*5.44*	
08 71 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	43.78	9.26
		For Color Anodized Finish, Add	*5.16*	
08 71 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	54.44	11.12
		For Color Anodized Finish, Add	*9.32*	
08 71 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	57.77	11.12
		For Color Anodized Finish, Add	*11.99*	
08 71 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	61.10	11.12
		For Color Anodized Finish, Add	*13.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0027		Brass/Bronze Saddle Thresholds *(08 71 43 00-0003)*		
08 71 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds *(08 71 43 00-0027)*		
08 71 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	60.36	7.41
08 71 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds *(08 71 43 00-0027)*		
08 71 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	92.34	7.41
08 71 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	111.74	9.26
08 71 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	133.88	9.26
08 71 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	155.41	9.26
08 71 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	180.02	9.26
08 71 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	230.79	11.12
08 71 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds *(08 71 43 00-0027)*		
08 71 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	121.58	9.26
08 71 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	146.18	9.26
08 71 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	170.79	9.26
08 71 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	201.54	9.26
08 71 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	285.13	11.12
08 71 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	271.02	11.12
08 71 43 00-0044		Stainless Steel Saddle Thresholds *(08 71 43 00-0003)*		
08 71 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds *(08 71 43 00-0044)*		
08 71 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	103.13	9.26
08 71 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	109.28	9.26
08 71 43 00-0048		Half Saddle Thresholds *(08 71 43 00-0002)*		
08 71 43 00-0049		Aluminum Half Saddle Thresholds *(08 71 43 00-0048)*		
		Note: Includes mill finish.		
08 71 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds *(08 71 43 00-0049)*		
08 71 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	39.07	9.26
		For Color Anodized Finish, Add	*6.36*	
08 71 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	50.60	9.26
		For Color Anodized Finish, Add	*2.74*	
08 71 43 00-0053		Offset Saddle Thresholds *(08 71 43 00-0002)*		
08 71 43 00-0054		Aluminum Offset Saddle Thresholds *(08 71 43 00-0053)*		
		Note: Includes mill finish.		
08 71 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds *(08 71 43 00-0054)*		
08 71 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	39.18	9.26
		For Color Anodized Finish, Add	*8.01*	
08 71 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	43.30	9.26
		For Color Anodized Finish, Add	*7.05*	
08 71 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds *(08 71 43 00-0054)*		
08 71 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	39.18	9.26
		For Color Anodized Finish, Add	*8.01*	
08 71 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds *(08 71 43 00-0054)*		
08 71 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	44.89	9.26
		For Color Anodized Finish, Add	*7.61*	
08 71 43 00-0062		Modular Ramp Thresholds *(08 71 43 00-0001)*		
		Note: Includes mill finish.		
08 71 43 00-0063		Flush, Aluminum Modular Ramp Thresholds *(08 71 43 00-0062)*		
08 71 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	41.51	9.26
		For Non-Slip Surfacing, Add	*68.94*	
08 71 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	51.85	10.20
		For Non-Slip Surfacing, Add	*88.12*	
08 71 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	65.96	11.58
		For Non-Slip Surfacing, Add	*119.84*	
08 71 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	83.93	12.04
		For Non-Slip Surfacing, Add	*161.57*	
08 71 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	97.71	12.97
		For Non-Slip Surfacing, Add	*215.31*	
08 71 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	121.08	14.36
		For Non-Slip Surfacing, Add	*240.14*	
08 71 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	135.06	15.74
		For Non-Slip Surfacing, Add	*269.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	143.25	16.68
		For Non-Slip Surfacing, Add	*274.75*	
08 71 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 71 43 00-0062)*		
08 71 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	70.35	11.58
		For Non-Slip Surfacing, Add	*127.41*	
08 71 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	82.62	12.04
		For Non-Slip Surfacing, Add	*158.03*	
08 71 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	103.36	13.90
		For Non-Slip Surfacing, Add	*196.48*	
08 71 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	121.51	14.82
		For Non-Slip Surfacing, Add	*238.84*	
08 71 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	139.59	15.74
		For Non-Slip Surfacing, Add	*281.03*	
08 71 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	152.63	16.68
		For Non-Slip Surfacing, Add	*310.13*	
08 71 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	187.07	17.61
		For Non-Slip Surfacing, Add	*394.86*	
08 71 43 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 71 43 00-0062)*		
08 71 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	81.41	12.51
		For Non-Slip Surfacing, Add	*157.89*	
08 71 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	95.52	13.90
		For Non-Slip Surfacing, Add	*189.64*	
08 71 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	114.41	14.82
		For Non-Slip Surfacing, Add	*228.85*	
08 71 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	128.20	15.74
		For Non-Slip Surfacing, Add	*261.09*	
08 71 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	150.64	16.68
		For Non-Slip Surfacing, Add	*304.95*	
08 71 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	163.68	17.61
		For Non-Slip Surfacing, Add	*334.05*	
08 71 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	188.93	18.53
		For Non-Slip Surfacing, Add	*379.68*	
08 71 43 00-0088		**Accessories For Aluminum Modular Ramp Thresholds** *(08 71 43 00-0062)*		
08 71 43 00-0089		**Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds** *(08 71 43 00-0088)*		
08 71 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	193.64	11.58
		For Non-Slip Surfacing, Add	*20.46*	
08 71 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	298.04	11.58
		For Non-Slip Surfacing, Add	*32.99*	
08 71 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	590.12	16.21
		For Non-Slip Surfacing, Add	*66.92*	
08 71 43 00-0093		**Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds** *(08 71 43 00-0088)*		
08 71 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	193.64	11.58
		For Non-Slip Surfacing, Add	*20.46*	
08 71 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	298.04	11.58
		For Non-Slip Surfacing, Add	*32.99*	
08 71 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	590.12	16.21
		For Non-Slip Surfacing, Add	*66.92*	
08 71 43 00-0097		**Latching Panic Exit Saddle Thresholds** *(08 71 43 00-0001)* Note: Includes vinyl or pile seal.		
08 71 43 00-0098		**Aluminum, Latching Panic Exit Saddle Thresholds** *(08 71 43 00-0097)* Note: Includes mill finish.		
08 71 43 00-0099		**Aluminum, Latching Panic Exit Saddle Thresholds** *(08 71 43 00-0098)*		
08 71 43 00-0100		**7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 71 43 00-0099)*		
08 71 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	47.42	9.26
		For Color Anodized Finish, Add	*8.49*	
		For Thermoseal, Add	*0.63*	
08 71 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	39.34	9.26
		For Color Anodized Finish, Add	*8.09*	
		For Thermoseal, Add	*0.63*	
08 71 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	52.50	9.26
		For Color Anodized Finish, Add	*10.27*	
		For Thermoseal, Add	*0.63*	
08 71 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	54.72	9.26
		For Color Anodized Finish, Add	*11.05*	
		For Thermoseal, Add	*0.63*	
08 71 43 00-0105		**1" Height, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 71 43 00-0099)*		

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0106		LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	37.43	9.26
			For Color Anodized Finish, Add	*7.14*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0107		LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	39.65	9.26
			For Color Anodized Finish, Add	*8.25*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0098)*		
08 71 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0108)*		
08 71 43 00-0110		LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	42.03	9.26
			For Color Anodized Finish, Add	*7.55*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0111		LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	44.09	9.26
			For Color Anodized Finish, Add	*8.37*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0112		LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	47.11	9.26
			For Color Anodized Finish, Add	*8.38*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0113		LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	50.52	9.26
			For Color Anodized Finish, Add	*9.58*	
			For Thermoseal, Add	*0.63*	
08 71 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0097)*		
08 71 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0114)*		
08 71 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0115)*		
08 71 43 00-0117		LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	172.02	9.26
			For Thermoseal, Add	*0.63*	
08 71 43 00-0118		LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	159.72	9.26
			For Thermoseal, Add	*0.63*	
08 71 43 00-0119		LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	228.61	9.26
			For Thermoseal, Add	*0.63*	
08 71 43 00-0120		LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	204.74	9.26
			For Thermoseal, Add	*0.63*	
08 71 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0115)*		
08 71 43 00-0122		LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	169.31	9.26
			For Thermoseal, Add	*0.63*	
08 71 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0114)*		
08 71 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 43 00-0123)*		
08 71 43 00-0125		LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	175.80	10.20
			For Thermoseal, Add	*0.63*	
08 71 43 00-0126		LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	184.29	10.20
			For Thermoseal, Add	*0.63*	
08 71 43 00-0127		LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	230.18	10.20
			For Thermoseal, Add	*0.63*	
08 71 43 00-0128		LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	209.98	10.66
			For Thermoseal, Add	*0.63*	
08 71 43 00-0129			Carpet Separator Thresholds *(08 71 43 00-0001)*		
08 71 43 00-0130			Aluminum, Carpet Separator Thresholds *(08 71 43 00-0129)* Note: Includes mill finish.		
08 71 43 00-0131			3/8" Height, Aluminum, Carpet Separator Thresholds *(08 71 43 00-0130)*		
08 71 43 00-0132		LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	28.20	7.41
			For Color Anodized Finish, Add	*3.87*	
08 71 43 00-0133			7/16" Height, Aluminum, Carpet Separator Thresholds *(08 71 43 00-0130)*		
08 71 43 00-0134		LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	22.87	6.49
			For Color Anodized Finish, Add	*2.33*	
08 71 43 00-0135		LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	35.05	7.41
			For Color Anodized Finish, Add	*4.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	41.71	7.41
		For Color Anodized Finish, Add	*7.42*	
08 71 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 71 43 00-0130)*		
08 71 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	20.81	6.49
		For Color Anodized Finish, Add	*1.15*	
08 71 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 71 43 00-0130)*		
08 71 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	22.87	6.49
		For Color Anodized Finish, Add	*2.00*	
08 71 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	35.53	9.26
		For Color Anodized Finish, Add	*4.95*	
08 71 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	37.43	9.26
		For Color Anodized Finish, Add	*4.28*	
08 71 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 71 43 00-0129)*		
08 71 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 71 43 00-0143)*		
08 71 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	93.70	7.41
08 71 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 71 43 00-0143)*		
08 71 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	122.78	6.49
08 71 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	112.35	9.26
08 71 43 00-0149		Vinyl Transition Thresholds *(08 71 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 71 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	34.02	7.41
08 71 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 71 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	34.02	7.41
08 71 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 71 43 00-0149)* Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	36.34	9.26
08 71 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 71 43 00-0149)* Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	38.91	9.26
08 71 43 00-0158		Residential Thresholds *(08 71 43 00-0001)*		
08 71 43 00-0159		Wood Residential Thresholds *(08 71 43 00-0158)*		
08 71 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	14.49	4.63
08 71 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	15.02	4.63
08 71 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	20.41	4.93
08 71 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	20.72	5.12
08 71 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	31.65	5.26
08 71 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 71 43 00-0158)*		
08 71 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	17.39	4.63
08 71 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	21.19	5.12
08 71 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	39.75	5.12
08 71 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 71 43 00-0158)*		
08 71 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	17.45	4.63
		For Color Anodized Finish, Add	*2.35*	
08 71 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	20.40	5.12
		For Color Anodized Finish, Add	*3.04*	
08 71 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	21.67	5.12
		For Color Anodized Finish, Add	*3.55*	
08 71 43 00-0173		Interlocking Residential Thresholds *(08 71 43 00-0158)*		
08 71 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 71 43 00-0173)*		
08 71 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 71 43 00-0174)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	39.00	5.26
		For Color Anodized Finish, Add	*7.76*	
08 71 43 00-0177		**5/8" Height, Aluminum Interlocking Residential Thresholds** *(08 71 43 00-0174)*		
08 71 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	25.81	4.93
		For Color Anodized Finish, Add	*4.04*	
08 71 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	23.42	5.12
		For Color Anodized Finish, Add	*5.32*	
08 71 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	27.26	5.26
		For Color Anodized Finish, Add	*4.23*	
08 71 43 00-0181		**7/8" Height, Aluminum Interlocking Residential Thresholds** *(08 71 43 00-0174)*		
08 71 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	29.80	5.26
		For Color Anodized Finish, Add	*8.33*	
08 71 43 00-0183		**Brass/Bronze Interlocking Residential Thresholds** *(08 71 43 00-0173)*		
08 71 43 00-0184		**1/2" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 71 43 00-0183)*		
08 71 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	126.95	5.26
08 71 43 00-0186		**5/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 71 43 00-0183)*		
08 71 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	95.83	5.12
08 71 43 00-0188		**7/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 71 43 00-0183)*		
08 71 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	130.02	5.26
08 71 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	185.75	5.41
08 71 43 00-0191		**Residential Door Sills** *(08 71 43 00-0001)*		
08 71 43 00-0192		**Fixed Aluminum Residential Door Sills** *(08 71 43 00-0191)*		
08 71 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	22.19	5.26
		For Color Anodized Finish, Add	*4.52*	
08 71 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	23.80	5.41
		For Color Anodized Finish, Add	*4.11*	
08 71 43 00-0195		**Adjustable Aluminum Top, Aluminum Residential Door Sills** *(08 71 43 00-0191)*		
08 71 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	31.88	5.26
		For Color Anodized Finish, Add	*6.56*	
08 71 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	32.71	5.41
		For Color Anodized Finish, Add	*6.72*	
08 71 43 00-0198		**Adjustable Wood Top, Aluminum Residential Door Sills** *(08 71 43 00-0191)*		
08 71 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	32.27	5.12
		For Color Anodized Finish, Add	*6.82*	
08 71 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	32.64	5.26
		For Color Anodized Finish, Add	*4.87*	
08 71 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	34.06	5.41
		For Color Anodized Finish, Add	*5.14*	
08 71 43 00-0202		**Extenders For Aluminum Residential Door Sills** *(08 71 43 00-0191)*		
08 71 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	13.22	4.63
		For Color Anodized Finish, Add	*2.77*	
08 71 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	14.49	4.63
		For Color Anodized Finish, Add	*2.62*	
08 71 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	15.76	4.63
		For Color Anodized Finish, Add	*1.63*	
08 71 43 00-0206		**Stone Thresholds** *(08 71 43 00-0001)*		
08 71 43 00-0207		**Marble Thresholds** *(08 71 43 00-0206)*		
08 71 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	16.85	6.54
08 71 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	18.54	6.54
08 71 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	20.80	6.54
08 71 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	25.89	6.54
08 71 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	31.85	6.54
08 71 43 00-0213		**Corian Thresholds** *(08 71 43 00-0206)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	54.56	7.69

08 71 53 Security Door Hardware *(08 71)*

08 71 53 00-0001 Door Exit Alarm Hardware *(08 71 53)*

08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	232.13	34.75
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	314.31	34.75
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	267.23	34.75
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	339.91	34.75
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	397.97	46.34
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	71.93	46.34

08 75 Window Hardware *(08 70)*

08 75 00 00-0001 Window Opener Electric, With 1/2 HP Motor *(08 75)*

08 75 00 00-0002	EA	Gym Window Electronic Opener	1,321.32	197.39

08 79 Hardware Accessories *(08 70)*

08 79 00 00-0001 Pad Locks *(08 79)*

08 79 00 00-0002	EA	Combination Padlock	17.44	4.64
08 79 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	38.39	4.64
08 79 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	35.55	4.64
08 79 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	39.07	4.64
08 79 00 00-0006	EA	Commercial U-Bar Lock	47.21	4.64
08 79 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	39.78	4.64
08 79 00 00-0008	EA	High Security Padlocks	36.02	4.64
08 79 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	19.51	4.64

08 79 00 00-0010 Key Cabinet *(08 79)*

08 79 00 00-0011 Key Cabinets *(08 79 00 00-0010)*

08 79 00 00-0012	EA	Wall Mounted Key Cabinet, Up To 30 Keys	293.80	16.68
08 79 00 00-0013	EA	Wall Mounted Key Cabinet, Up To 60 Keys	395.08	18.53
08 79 00 00-0014	EA	Wall Mounted Key Cabinet, Up To 240 Keys	880.52	27.79
08 79 00 00-0015	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	2,254.16	37.06
08 79 00 00-0016	EA	Drawer Type Key Cabinet, Up To 600 Keys	2,398.72	24.55
08 79 00 00-0017	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	5,402.44	18.53
08 79 00 00-0018	EA	Tray Type Key Cabinet, Up To 20 Keys	123.82	7.41
08 79 00 00-0019	EA	Tray Type Key Cabinet, Up To 50 Keys	175.98	9.26

08 79 00 00-0020 Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 00 00-0010)*

08 79 00 00-0021	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	170.72	13.90
08 79 00 00-0022	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	192.52	13.90
08 79 00 00-0023	EA	Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning	47.26	
08 79 00 00-0024	EA	Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning	106.57	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	3.56
		For >50 To 200, Deduct	*-0.11*
		For >200 To 400, Deduct	*-0.21*
		For >400, Deduct	*-0.32*
		For Tinted Glass, Add	*0.89*
		For Reflective Coated Glass, Add	*1.60*
		For Low-E Coated Glass, Add	*0.89*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	3.82	
		For >50 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.34*	
		For Tinted Glass, Add	*0.96*	
		For Reflective Coated Glass, Add	*1.72*	
		For Low-E Coated Glass, Add	*0.96*	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	4.63	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Tinted Glass, Add	*1.16*	
		For Reflective Coated Glass, Add	*2.08*	
		For Low-E Coated Glass, Add	*1.16*	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	7.70	
		For >50 To 200, Deduct	*-0.23*	
		For >200 To 400, Deduct	*-0.46*	
		For >400, Deduct	*-0.69*	
		For Tinted Glass, Add	*1.93*	
		For Reflective Coated Glass, Add	*3.47*	
		For Low-E Coated Glass, Add	*1.93*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	11.21	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	12.32	
		For >50 To 200, Deduct	*-0.37*	
		For >200 To 400, Deduct	*-0.74*	
		For >400, Deduct	*-1.11*	
		For Tinted Glass, Add	*3.08*	
		For Reflective Coated Glass, Add	*5.54*	
		For Low-E Coated Glass, Add	*3.08*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	14.73	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.33*	
		For Tinted Glass, Add	*3.68*	
		For Reflective Coated Glass, Add	*6.63*	
		For Low-E Coated Glass, Add	*3.68*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	18.20	
		For >50 To 200, Deduct	*-0.55*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.64*	
		For Tinted Glass, Add	*4.55*	
		For Reflective Coated Glass, Add	*8.19*	
		For Low-E Coated Glass, Add	*4.55*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	5.17	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.31*	
		For >400, Deduct	*-0.47*	
		For Tinted Glass, Add	*1.29*	
		For Reflective Coated Glass, Add	*2.33*	
		For Low-E Coated Glass, Add	*1.29*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	5.52	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.33*	
		For >400, Deduct	*-0.50*	
		For Tinted Glass, Add	*1.38*	
		For Reflective Coated Glass, Add	*2.48*	
		For Low-E Coated Glass, Add	*1.38*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	6.72	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Tinted Glass, Add	*1.68*	
		For Reflective Coated Glass, Add	*3.02*	
		For Low-E Coated Glass, Add	*1.68*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	11.19	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	16.26	
		For >50 To 200, Deduct	*-0.49*	
		For >200 To 400, Deduct	*-0.98*	
		For >400, Deduct	*-1.46*	
		For Tinted Glass, Add	*4.07*	
		For Reflective Coated Glass, Add	*7.32*	
		For Low-E Coated Glass, Add	*4.07*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	17.86	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.07*	
		For >400, Deduct	*-1.61*	
		For Tinted Glass, Add	*4.47*	
		For Reflective Coated Glass, Add	*8.04*	
		For Low-E Coated Glass, Add	*4.47*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	21.36	
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.28*	
		For >400, Deduct	*-1.92*	
		For Tinted Glass, Add	*5.34*	
		For Reflective Coated Glass, Add	*9.61*	
		For Low-E Coated Glass, Add	*5.34*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	26.39	
		For >50 To 200, Deduct	*-0.79*	
		For >200 To 400, Deduct	*-1.58*	
		For >400, Deduct	*-2.38*	
		For Tinted Glass, Add	*6.60*	
		For Reflective Coated Glass, Add	*11.88*	
		For Low-E Coated Glass, Add	*6.60*	
08 81 23 13-0021		Patterned Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0022		Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	10.14	
08 81 23 13-0024		Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	6.16	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	6.16	
08 81 23 13-0027		Wired Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	15.94	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	15.94	
08 81 23 13-0031		Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	17.42	
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	8.06	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.73*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	10.57	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.95*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	13.36	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.20*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	19.98	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.80*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	21.88	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	43.56	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	67.32	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	89.10	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	14.20	
		For >50 To 200, Deduct	*-0.43*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.28*	
		For Tinted Glass, Add	*3.55*	
		For Reflective Coated Glass, Add	*6.39*	
		For Low-E Coated Glass, Add	*3.55*	
		For One Piece Heat Strengthened Glass, Add	*2.84*	
		For One Piece Fully Tempered Glass, Add	*2.84*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	17.72	
		For >50 To 200, Deduct	*-0.53*	
		For >200 To 400, Deduct	*-1.06*	
		For >400, Deduct	*-1.59*	
		For Tinted Glass, Add	*4.43*	
		For Reflective Coated Glass, Add	*7.97*	
		For Low-E Coated Glass, Add	*4.43*	
		For One Piece Heat Strengthened Glass, Add	*3.54*	
		For One Piece Fully Tempered Glass, Add	*3.54*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*6.02*	
		For Reflective Coated Glass, Add	*10.84*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		For One Piece Fully Tempered Glass, Add	*4.82*	
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 3/16" air space.	9.40	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.56*	
		For >400, Deduct	*-0.85*	
		For Tinted Glass, Add	*2.35*	
		For Reflective Coated Glass, Add	*4.23*	
		For Low-E Coated Glass, Add	*2.35*	
		For One Piece Heat Strengthened Glass, Add	*1.88*	
		For One Piece Fully Tempered Glass, Add	*1.88*	
		For One Piece Obscure Glass, Add	*4.00*	
		For Argon Gas, Add	*2.59*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	10.28	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Tinted Glass, Add	*2.57*	
		For Reflective Coated Glass, Add	*4.63*	
		For Low-E Coated Glass, Add	*2.57*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.37*	
		For Argon Gas, Add	*2.83*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	10.30	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Tinted Glass, Add	*2.58*	
		For Reflective Coated Glass, Add	*4.64*	
		For Low-E Coated Glass, Add	*2.58*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.38*	
		For Argon Gas, Add	*2.83*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	9.68	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.58*	
		For >400, Deduct	*-0.87*	
		For Tinted Glass, Add	*2.42*	
		For Reflective Coated Glass, Add	*4.36*	
		For Low-E Coated Glass, Add	*2.42*	
		For One Piece Heat Strengthened Glass, Add	*1.94*	
		For One Piece Fully Tempered Glass, Add	*1.94*	
		For One Piece Obscure Glass, Add	*4.11*	
		For Argon Gas, Add	*2.66*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	10.28	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Tinted Glass, Add	*2.57*	
		For Reflective Coated Glass, Add	*4.63*	
		For Low-E Coated Glass, Add	*2.57*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.37*	
		For Argon Gas, Add	*2.83*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	10.40	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	10.40	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	10.89	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	

08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	10.40	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	10.89	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	12.08	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 13-0066		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	10.89	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	
08 81 23 13-0068	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	12.08	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	12.08	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	13.21	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For One Piece Heat Strengthened Glass, Add	*2.64*	
		For One Piece Fully Tempered Glass, Add	*2.64*	
		For One Piece Obscure Glass, Add	*5.61*	
		For Argon Gas, Add	*3.63*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

08 81 23 23-0001 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0001)*
Note: Type I, Class I, Quality Q3.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	17.00	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.31*	
		For >400, Deduct	*-0.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.83*	
		For Tinted Glass, Add	*1.29*	
		For Reflective Coated Glass, Add	*2.33*	
		For Low-E Coated Glass, Add	*1.29*	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	18.25	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.33*	
		For >400, Deduct	*-0.50*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.73*	
		For Tinted Glass, Add	*1.38*	
		For Reflective Coated Glass, Add	*2.48*	
		For Low-E Coated Glass, Add	*1.38*	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	20.36	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
		For Tinted Glass, Add	*1.68*	
		For Reflective Coated Glass, Add	*3.02*	
		For Low-E Coated Glass, Add	*1.68*	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	26.64	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.45*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	33.54	
		For >50 To 200, Deduct	*-0.49*	
		For >200 To 400, Deduct	*-0.98*	
		For >400, Deduct	*-1.46*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	
		For Tinted Glass, Add	*4.07*	
		For Reflective Coated Glass, Add	*7.32*	
		For Low-E Coated Glass, Add	*4.07*	
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	36.95	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.07*	
		For >400, Deduct	*-1.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.09*	
		For Tinted Glass, Add	*4.47*	
		For Reflective Coated Glass, Add	*8.04*	
		For Low-E Coated Glass, Add	*4.47*	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	45.00	
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.28*	
		For >400, Deduct	*-1.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.64*	
		For Tinted Glass, Add	*5.34*	
		For Reflective Coated Glass, Add	*9.61*	
		For Low-E Coated Glass, Add	*5.34*	
08 81 23 23-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	54.58	
		For >50 To 200, Deduct	*-0.79*	
		For >200 To 400, Deduct	*-1.58*	
		For >400, Deduct	*-2.38*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*28.19*	
		For Tinted Glass, Add	*6.60*	
		For Reflective Coated Glass, Add	*11.88*	
		For Low-E Coated Glass, Add	*6.60*	

08 81 23 23-0011 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Clear Float Field Installed Glass	15.39	
		For >50 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.21*	
		For >400, Deduct	*-0.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.83*	
		For Tinted Glass, Add	*0.89*	
		For Reflective Coated Glass, Add	*1.60*	
		For Low-E Coated Glass, Add	*0.89*	
08 81 23 23-0014	SF	3/16" Thick, Clear Float Field Installed Glass	16.55	
		For >50 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.34*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.73*	
		For Tinted Glass, Add	*0.96*	
		For Reflective Coated Glass, Add	*1.72*	
		For Low-E Coated Glass, Add	*0.96*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0015	SF	1/4" Thick, Clear Float Field Installed Glass	18.27	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
		For Tinted Glass, Add	*1.16*	
		For Reflective Coated Glass, Add	*2.08*	
		For Low-E Coated Glass, Add	*1.16*	
08 81 23 23-0016	SF	5/16" Thick, Clear Float Field Installed Glass	23.15	
		For >50 To 200, Deduct	*-0.23*	
		For >200 To 400, Deduct	*-0.46*	
		For >400, Deduct	*-0.69*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.45*	
		For Tinted Glass, Add	*1.93*	
		For Reflective Coated Glass, Add	*3.47*	
		For Low-E Coated Glass, Add	*1.93*	
08 81 23 23-0017	SF	3/8" Thick, Clear Float Field Installed Glass	28.49	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
08 81 23 23-0018	SF	1/2" Thick, Clear Float Field Installed Glass	31.41	
		For >50 To 200, Deduct	*-0.37*	
		For >200 To 400, Deduct	*-0.74*	
		For >400, Deduct	*-1.11*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.09*	
		For Tinted Glass, Add	*3.08*	
		For Reflective Coated Glass, Add	*5.54*	
		For Low-E Coated Glass, Add	*3.08*	
08 81 23 23-0019	SF	5/8" Thick, Clear Float Field Installed Glass	38.37	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.33*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.64*	
		For Tinted Glass, Add	*3.68*	
		For Reflective Coated Glass, Add	*6.63*	
		For Low-E Coated Glass, Add	*3.68*	
08 81 23 23-0020	SF	3/4" Thick, Clear Float Field Installed Glass	46.39	
		For >50 To 200, Deduct	*-0.55*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*28.19*	
		For Tinted Glass, Add	*4.55*	
		For Reflective Coated Glass, Add	*8.19*	
		For Low-E Coated Glass, Add	*4.55*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	23.78	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	17.99	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.83*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	19.35	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.19*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	29.58	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	29.58	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	31.06	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	19.89	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.73*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.83*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	23.30	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.73*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	27.00	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	37.26	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.80*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	

08 81 23 23-0039 Fire Rated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0040 Fire Rated Field Installed Glass *(08 81 23 23-0039)*

08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	35.52	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	57.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	80.96	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	102.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	

08 81 23 23-0045 Laminated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	27.84	
		For >50 To 200, Deduct	*-0.43*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.28*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.64*	
		For Tinted Glass, Add	*3.55*	
		For Reflective Coated Glass, Add	*6.39*	
		For Low-E Coated Glass, Add	*3.55*	
		For One Piece Heat Strengthened Glass, Add	*2.84*	
		For One Piece Fully Tempered Glass, Add	*2.84*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	35.00	
		For >50 To 200, Deduct	*-0.53*	
		For >200 To 400, Deduct	*-1.06*	
		For >400, Deduct	*-1.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	
		For Tinted Glass, Add	*4.43*	
		For Reflective Coated Glass, Add	*7.97*	
		For Low-E Coated Glass, Add	*4.43*	
		For One Piece Heat Strengthened Glass, Add	*3.54*	
		For One Piece Fully Tempered Glass, Add	*3.54*	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	43.18	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.09*	
		For Tinted Glass, Add	*6.02*	
		For Reflective Coated Glass, Add	*10.84*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		For One Piece Fully Tempered Glass, Add	*4.82*	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	46.65	
		For >50 To 200, Deduct	*-0.81*	
		For >200 To 400, Deduct	*-1.63*	
		For >400, Deduct	*-2.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.55*	
		For Tinted Glass, Add	*6.78*	
		For Reflective Coated Glass, Add	*12.20*	
		For Low-E Coated Glass, Add	*6.78*	
		For One Piece Heat Strengthened Glass, Add	*5.42*	
		For One Piece Fully Tempered Glass, Add	*5.42*	

08 81 23 23-0051 Insulated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0052 Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

Note: Type I, Class I, Quality Q3.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	24.67	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.56*	
		For >400, Deduct	*-0.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.27*	
		For Tinted Glass, Add	*2.35*	
		For Reflective Coated Glass, Add	*4.23*	
		For Low-E Coated Glass, Add	*2.35*	
		For One Piece Heat Strengthened Glass, Add	*1.88*	
		For One Piece Fully Tempered Glass, Add	*1.88*	
		For One Piece Obscure Glass, Add	*4.00*	
		For Argon Gas, Add	*2.59*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	26.19	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.91*	
		For Tinted Glass, Add	*2.57*	
		For Reflective Coated Glass, Add	*4.63*	
		For Low-E Coated Glass, Add	*2.57*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.37*	
		For Argon Gas, Add	*2.83*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	26.48	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.18*	
		For Tinted Glass, Add	*2.58*	
		For Reflective Coated Glass, Add	*4.64*	
		For Low-E Coated Glass, Add	*2.58*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.38*	
		For Argon Gas, Add	*2.83*	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	25.23	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.58*	
		For >400, Deduct	*-0.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.55*	
		For Tinted Glass, Add	*2.42*	
		For Reflective Coated Glass, Add	*4.36*	
		For Low-E Coated Glass, Add	*2.42*	
		For One Piece Heat Strengthened Glass, Add	*1.94*	
		For One Piece Fully Tempered Glass, Add	*1.94*	
		For One Piece Obscure Glass, Add	*4.11*	
		For Argon Gas, Add	*2.66*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	26.19	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.91*	
		For Tinted Glass, Add	*2.57*	
		For Reflective Coated Glass, Add	*4.63*	
		For Low-E Coated Glass, Add	*2.57*	
		For One Piece Heat Strengthened Glass, Add	*2.06*	
		For One Piece Fully Tempered Glass, Add	*2.06*	
		For One Piece Obscure Glass, Add	*4.37*	
		For Argon Gas, Add	*2.83*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	27.38	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.98*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	27.38	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.98*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	29.41	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.52*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 3/8" air space.	27.38	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.98*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
		For One Piece Heat Strengthened Glass, Add	*2.08*	
		For One Piece Fully Tempered Glass, Add	*2.08*	
		For One Piece Obscure Glass, Add	*4.42*	
		For Argon Gas, Add	*2.86*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/8" air space.	29.41	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.52*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 3/8" air space.	30.99	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.91*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 23-0067		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	29.41	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.52*	
		For Tinted Glass, Add	*2.72*	
		For Reflective Coated Glass, Add	*4.90*	
		For Low-E Coated Glass, Add	*2.72*	
		For One Piece Heat Strengthened Glass, Add	*2.18*	
		For One Piece Fully Tempered Glass, Add	*2.18*	
		For One Piece Obscure Glass, Add	*4.63*	
		For Argon Gas, Add	*2.99*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	30.99	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.91*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	30.99	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.91*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*5.44*	
		For Low-E Coated Glass, Add	*3.02*	
		For One Piece Heat Strengthened Glass, Add	*2.42*	
		For One Piece Fully Tempered Glass, Add	*2.42*	
		For One Piece Obscure Glass, Add	*5.13*	
		For Argon Gas, Add	*3.32*	
08 81 23 23-0071	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	32.30	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.09*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For One Piece Heat Strengthened Glass, Add	*2.64*	
		For One Piece Fully Tempered Glass, Add	*2.64*	
		For One Piece Obscure Glass, Add	*5.61*	
		For Argon Gas, Add	*3.63*	
08 81 23 23-0072		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
08 81 23 23-0073	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.	77.83	
		For >50 To 200, Deduct	*-1.58*	
		For >200 To 400, Deduct	*-3.17*	
		For >400, Deduct	*-4.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.00*	
		For Tinted Glass, Add	*13.21*	
		For Reflective Coated Glass, Add	*23.77*	
		For Low-E Coated Glass, Add	*13.21*	
		For Argon Gas, Add	*14.53*	
08 81 23 23-0074		Spandrel Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0075		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0074)*		
08 81 23 23-0076	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	26.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 81 23 23-0077	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	24.17	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 81 23 23-0078		Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0074)*		
08 81 23 23-0079		1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0078)* Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	29.21	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 81 23 23-0081	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	26.41	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 81 23 23-0082		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0078)*		
08 81 23 23-0083	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	34.06	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 81 23 23-0084	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	28.57	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	45.56	6.81
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.60*	
		For >400, Deduct	*-2.57*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	60.29	6.81
		For >50 To 200, Deduct	*-1.40*	
		For >200 To 400, Deduct	*-2.34*	
		For >400, Deduct	*-3.74*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	18.04	5.45
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.36*	
		For >400, Deduct	*-0.57*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	21.17	6.36
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.43*	
		For >400, Deduct	*-0.69*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	23.10	6.81
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.77*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	26.20	5.45
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.76*	
		For >400, Deduct	*-1.22*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	29.81	6.36
		For >50 To 200, Deduct	*-0.52*	
		For >200 To 400, Deduct	*-0.86*	
		For >400, Deduct	*-1.38*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	32.73	6.81
		For >50 To 200, Deduct	*-0.58*	
		For >200 To 400, Deduct	*-0.96*	
		For >400, Deduct	*-1.54*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	26.84	6.81
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.07*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	47.66	6.81
		For >50 To 200, Deduct	*-1.03*	
		For >200 To 400, Deduct	*-1.71*	
		For >400, Deduct	*-2.73*	

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	4.61
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	4.71
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	6.00
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	7.80

08 84 Plastic Glazing *(08 80)*

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	14.39	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.58*	
		For >400, Deduct	*-0.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	15.13	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.91*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	17.71	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.27*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	24.68	
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.52*	
		For >400, Deduct	*-2.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.53*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	30.82	
		For >50 To 200, Deduct	*-1.03*	
		For >200 To 400, Deduct	*-2.06*	
		For >400, Deduct	*-3.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	20.53	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.58*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	23.61	
		For >50 To 200, Deduct	*-0.74*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.91*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	24.91	
		For >50 To 200, Deduct	*-0.78*	
		For >200 To 400, Deduct	*-1.56*	
		For >400, Deduct	*-2.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.27*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	39.75	
		For >50 To 200, Deduct	*-1.51*	
		For >200 To 400, Deduct	*-3.02*	
		For >400, Deduct	*-4.53*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.53*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	42.26	
		For >50 To 200, Deduct	*-1.60*	
		For >200 To 400, Deduct	*-3.20*	
		For >400, Deduct	*-4.80*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	11.16	
		For >50 To 200, Deduct	*-0.15*	
		For >200 To 400, Deduct	*-0.30*	
		For >400, Deduct	*-0.45*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.19*	
		For Colored, Add	*0.59*	
		For Shatterproof, Add	*1.78*	
		For Mirrored, Add	*2.38*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	11.59	
		For >50 To 200, Deduct	*-0.15*	
		For >200 To 400, Deduct	*-0.30*	
		For >400, Deduct	*-0.45*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.58*	
		For Colored, Add	*0.60*	
		For Shatterproof, Add	*1.81*	
		For Mirrored, Add	*2.41*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	13.61	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.47*	
		For >400, Deduct	*-0.71*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.91*	
		For Colored, Add	*0.94*	
		For Shatterproof, Add	*2.82*	
		For Mirrored, Add	*3.76*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	15.46	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.27*	
		For Colored, Add	*1.24*	
		For Shatterproof, Add	*3.71*	
		For Mirrored, Add	*4.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	15.80	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.32*	
		For Colored, Add	*1.30*	
		For Shatterproof, Add	*3.89*	
		For Mirrored, Add	*5.18*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	16.31	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.68*	
		For >400, Deduct	*-1.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.53*	
		For Colored, Add	*1.36*	
		For Shatterproof, Add	*4.07*	
		For Mirrored, Add	*5.42*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	19.19	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.34*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	
		For Colored, Add	*1.79*	
		For Shatterproof, Add	*5.38*	
		For Mirrored, Add	*7.17*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	26.91	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.40*	
		For >400, Deduct	*-2.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.95*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	35.53	
		For >50 To 200, Deduct	*-1.07*	
		For >200 To 400, Deduct	*-2.15*	
		For >400, Deduct	*-3.22*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	24.03	1.71
		For Bronze Anodized Aluminum, Add	*2.90*	
		For Stainless Steel, Add	*11.84*	
		For Black Anodized Finish, Add	*5.22*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	29.69	2.13
		For Bronze Anodized Aluminum, Add	*3.69*	
		For Stainless Steel, Add	*15.00*	
		For Black Anodized Finish, Add	*6.64*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	35.35	1.71
		For Bronze Anodized Aluminum, Add	*4.41*	
		For Stainless Steel, Add	*17.93*	
		For Black Anodized Finish, Add	*7.93*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	42.80	2.56
		For Bronze Anodized Aluminum, Add	*5.27*	
		For Stainless Steel, Add	*21.46*	
		For Black Anodized Finish, Add	*9.48*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	43.73	2.13
		For Bronze Anodized Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*22.72*	
		For Black Anodized Finish, Add	*10.08*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	53.12	2.56
		For Bronze Anodized Aluminum, Add	*6.69*	
		For Stainless Steel, Add	*27.18*	
		For Black Anodized Finish, Add	*12.04*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	Tinted, Solar Control Window Film	5.86
08 87 13 00-0003	SF	Obscurant, Solar Control Window Film	5.86
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	7.60
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	7.95

08 87 23 Safety And Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0001		High Performance, Security And Safety Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0002		Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*		
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	12.49	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.77*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	13.14	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.84*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	14.05	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.93*	
08 87 23 16-0006		Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*		
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	13.87	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.91*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	13.87	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.91*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	13.87	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.91*	
08 87 23 16-0010		Security And Safety Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	11.77	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.70*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	11.94	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.72*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	13.59	
		For >1,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.88*	
08 87 23 16-0014		Anti-Graffiti Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	11.77	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.70*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	11.94	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.72*	
08 88		**Special Function Glazing** *(08 80)*		
08 88 49		**Radiation-Resistant Glazing** *(08 88)*		
08 88 49 00-0001		Leaded Glass (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	206.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	305.22	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.28*	
08 88 53		**Security Glazing** *(08 88)*		
08 88 53 00-0001		Forced Entry And/Or Ballistic Resistant All Glass Laminate *(08 88 53)*		
08 88 53 00-0002		Ballistic Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF	96.92	22.73
		For Glass Removal And Preparing Opening For New Glazing, Add	*56.37*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF	110.66	22.73
		For Glass Removal And Preparing Opening For New Glazing, Add	*56.37*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF	125.42	25.45
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.65*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF	136.90	25.45
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.65*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF	155.72	29.09
		For Glass Removal And Preparing Opening For New Glazing, Add	*72.74*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF	164.95	29.09
		For Glass Removal And Preparing Opening For New Glazing, Add	*72.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0009		**Forced Entry Resistant Glass** *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	29.31	6.81
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.21*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	32.80	7.28
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.15*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	36.91	7.73
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.23*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	41.27	8.64
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.49*	
08 88 53 00-0014		**Glass Clad Polycarbonate** *(08 88 53)*		
08 88 53 00-0015	SF	0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF	137.51	27.28
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.11*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF	154.63	32.01
		For Glass Removal And Preparing Opening For New Glazing, Add	*80.01*	
08 88 53 00-0017	SF	1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF	193.96	36.37
		For Glass Removal And Preparing Opening For New Glazing, Add	*90.92*	
08 88 53 00-0018		**Ballistic Resistant Acrylic** *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF	220.12	27.28
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.11*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF	257.67	31.83
		For Glass Removal And Preparing Opening For New Glazing, Add	*80.01*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF	339.64	36.37
		For Glass Removal And Preparing Opening For New Glazing, Add	*90.92*	
08 88 53 00-0022		**Ballistic Resistant Fiberglass** *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	59.78	17.28
		For Glass Removal And Preparing Opening For New Glazing, Add	*34.55*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	70.44	20.00
		For Glass Removal And Preparing Opening For New Glazing, Add	*40.01*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	79.94	22.73
		For Glass Removal And Preparing Opening For New Glazing, Add	*45.47*	
08 88 53 00-0026		**Forced Entry And/Or Ballistic Resistant Polycarbonate** *(08 88 53)*		
08 88 53 00-0027		**Forced Entry Resistant Monolithic Polycarbonate** *(08 88 53 00-0026)*		
		Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	84.63	41.28
		Note: Level 1 or ASTM F1233, Class II (Step 5).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*55.11*	
08 88 53 00-0029		**Forced Entry Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1	104.65	27.27
		For Glass Removal And Preparing Opening For New Glazing, Add	*68.20*	
08 88 53 00-0031		**Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	125.35	52.36
		Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*72.74*	
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I	136.65	32.31
		Note: UL-9 Fire Resistant.		
		For Glass Removal And Preparing Opening For New Glazing, Add	*77.28*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01	117.67	27.27
		Note: Level I (1/4" tempered float glass, 1/2" airspace).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*68.20*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant	269.59	60.74
		Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*150.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	272.40	60.74
		For Glass Removal And Preparing Opening For New Glazing, Add	*150.94*	

08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.

08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	179.84	38.50
		For Glass Removal And Preparing Opening For New Glazing, Add	*101.84*	

08 90 Louvers And Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001 Motorized Wall Louver Actuator *(08 91 13)*

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,262.13	84.94
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	1,909.77	84.94
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	1,354.45	84.94
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	5,155.89	84.94

08 91 16 Operable Wall Louvers *(08 91)*

08 91 16 00-0001 Adjustable Intake Wall Louvers *(08 91 16)*

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.

08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	341.38	22.48
		For Flange Frame, Add	*29.64*	
		For Clear Lacquer Finish, Add	*59.28*	
		For Baked Enamel Standard Colors, Add	*88.92*	
		For Anodized Finish, Add	*118.56*	
		For Kynar™ Standard Colors Finish, Add	*163.03*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	426.38	27.48
		For Flange Frame, Add	*37.14*	
		For Clear Lacquer Finish, Add	*74.28*	
		For Baked Enamel Standard Colors, Add	*111.43*	
		For Anodized Finish, Add	*148.57*	
		For Kynar™ Standard Colors Finish, Add	*204.28*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	504.17	32.48
		For Flange Frame, Add	*43.92*	
		For Clear Lacquer Finish, Add	*87.84*	
		For Baked Enamel Standard Colors, Add	*131.76*	
		For Anodized Finish, Add	*175.68*	
		For Kynar™ Standard Colors Finish, Add	*241.57*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	589.89	37.48
		For Flange Frame, Add	*51.49*	
		For Clear Lacquer Finish, Add	*102.99*	
		For Baked Enamel Standard Colors, Add	*154.48*	
		For Anodized Finish, Add	*205.98*	
		For Kynar™ Standard Colors Finish, Add	*283.22*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	664.78	42.47
		For Flange Frame, Add	*57.98*	
		For Clear Lacquer Finish, Add	*115.97*	
		For Baked Enamel Standard Colors, Add	*173.95*	
		For Anodized Finish, Add	*231.94*	
		For Kynar™ Standard Colors Finish, Add	*318.91*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	783.68	47.47
		For Flange Frame, Add	*68.88*	
		For Clear Lacquer Finish, Add	*137.75*	
		For Baked Enamel Standard Colors, Add	*206.63*	
		For Anodized Finish, Add	*275.50*	
		For Kynar™ Standard Colors Finish, Add	*378.81*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	892.48	52.47
		For Flange Frame, Add	*78.76*	
		For Clear Lacquer Finish, Add	*157.51*	
		For Baked Enamel Standard Colors, Add	*236.27*	
		For Anodized Finish, Add	*315.02*	
		For Kynar™ Standard Colors Finish, Add	*433.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	991.85	59.96
		For Flange Frame, Add	*87.19*	
		For Clear Lacquer Finish, Add	*174.39*	
		For Baked Enamel Standard Colors, Add	*261.58*	
		For Anodized Finish, Add	*348.77*	
		For Kynar™ Standard Colors Finish, Add	*479.56*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,058.82	64.96
		For Flange Frame, Add	*92.89*	
		For Clear Lacquer Finish, Add	*185.78*	
		For Baked Enamel Standard Colors, Add	*278.67*	
		For Anodized Finish, Add	*371.56*	
		For Kynar™ Standard Colors Finish, Add	*510.90*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,142.37	69.95
		For Flange Frame, Add	*100.25*	
		For Clear Lacquer Finish, Add	*200.49*	
		For Baked Enamel Standard Colors, Add	*300.74*	
		For Anodized Finish, Add	*400.99*	
		For Kynar™ Standard Colors Finish, Add	*551.36*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,215.82	74.95
		For Flange Frame, Add	*106.59*	
		For Clear Lacquer Finish, Add	*213.19*	
		For Baked Enamel Standard Colors, Add	*319.78*	
		For Anodized Finish, Add	*426.37*	
		For Kynar™ Standard Colors Finish, Add	*586.26*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,309.48	79.95
		For Flange Frame, Add	*114.96*	
		For Clear Lacquer Finish, Add	*229.92*	
		For Baked Enamel Standard Colors, Add	*344.88*	
		For Anodized Finish, Add	*459.84*	
		For Kynar™ Standard Colors Finish, Add	*632.27*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,399.53	84.94
		For Flange Frame, Add	*122.97*	
		For Clear Lacquer Finish, Add	*245.93*	
		For Baked Enamel Standard Colors, Add	*368.90*	
		For Anodized Finish, Add	*491.86*	
		For Kynar™ Standard Colors Finish, Add	*676.31*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,511.88	92.44
		For Flange Frame, Add	*132.70*	
		For Clear Lacquer Finish, Add	*265.40*	
		For Baked Enamel Standard Colors, Add	*398.10*	
		For Anodized Finish, Add	*530.80*	
		For Kynar™ Standard Colors Finish, Add	*729.86*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,595.38	99.93
		For Flange Frame, Add	*139.55*	
		For Clear Lacquer Finish, Add	*279.10*	
		For Baked Enamel Standard Colors, Add	*418.66*	
		For Anodized Finish, Add	*558.21*	
		For Kynar™ Standard Colors Finish, Add	*767.54*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	383.83	27.48
		For Flange Frame, Add	*32.89*	
		For Clear Lacquer Finish, Add	*65.77*	
		For Baked Enamel Standard Colors, Add	*98.66*	
		For Anodized Finish, Add	*131.55*	
		For Kynar™ Standard Colors Finish, Add	*180.88*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	484.64	34.97
		For Flange Frame, Add	*41.47*	
		For Clear Lacquer Finish, Add	*82.94*	
		For Baked Enamel Standard Colors, Add	*124.41*	
		For Anodized Finish, Add	*165.88*	
		For Kynar™ Standard Colors Finish, Add	*228.08*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	568.20	39.97
		For Flange Frame, Add	*48.83*	
		For Clear Lacquer Finish, Add	*97.65*	
		For Baked Enamel Standard Colors, Add	*146.48*	
		For Anodized Finish, Add	*195.30*	
		For Kynar™ Standard Colors Finish, Add	*268.54*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	707.18	49.96
		For Flange Frame, Add	*60.73*	
		For Clear Lacquer Finish, Add	*121.45*	
		For Baked Enamel Standard Colors, Add	*182.18*	
		For Anodized Finish, Add	*242.90*	
		For Kynar™ Standard Colors Finish, Add	*333.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	803.71	54.96
		For Flange Frame, Add	*69.38*	
		For Clear Lacquer Finish, Add	*138.76*	
		For Baked Enamel Standard Colors, Add	*208.14*	
		For Anodized Finish, Add	*277.52*	
		For Kynar™ Standard Colors Finish, Add	*381.58*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	900.26	59.96
		For Flange Frame, Add	*78.03*	
		For Clear Lacquer Finish, Add	*156.07*	
		For Baked Enamel Standard Colors, Add	*234.10*	
		For Anodized Finish, Add	*312.14*	
		For Kynar™ Standard Colors Finish, Add	*429.19*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,015.54	64.96
		For Flange Frame, Add	*88.56*	
		For Clear Lacquer Finish, Add	*177.13*	
		For Baked Enamel Standard Colors, Add	*265.69*	
		For Anodized Finish, Add	*354.25*	
		For Kynar™ Standard Colors Finish, Add	*487.10*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,126.45	72.45
		For Flange Frame, Add	*98.16*	
		For Clear Lacquer Finish, Add	*196.31*	
		For Baked Enamel Standard Colors, Add	*294.47*	
		For Anodized Finish, Add	*392.62*	
		For Kynar™ Standard Colors Finish, Add	*539.85*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,215.73	79.95
		For Flange Frame, Add	*105.58*	
		For Clear Lacquer Finish, Add	*211.17*	
		For Baked Enamel Standard Colors, Add	*316.75*	
		For Anodized Finish, Add	*422.34*	
		For Kynar™ Standard Colors Finish, Add	*580.71*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,300.72	84.94
		For Flange Frame, Add	*113.08*	
		For Clear Lacquer Finish, Add	*226.17*	
		For Baked Enamel Standard Colors, Add	*339.25*	
		For Anodized Finish, Add	*452.34*	
		For Kynar™ Standard Colors Finish, Add	*621.96*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,380.68	89.93
		For Flange Frame, Add	*120.08*	
		For Clear Lacquer Finish, Add	*240.16*	
		For Baked Enamel Standard Colors, Add	*360.24*	
		For Anodized Finish, Add	*480.32*	
		For Kynar™ Standard Colors Finish, Add	*660.44*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,483.69	94.93
		For Flange Frame, Add	*129.38*	
		For Clear Lacquer Finish, Add	*258.77*	
		For Baked Enamel Standard Colors, Add	*388.15*	
		For Anodized Finish, Add	*517.53*	
		For Kynar™ Standard Colors Finish, Add	*711.61*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,583.12	99.93
		For Flange Frame, Add	*138.33*	
		For Clear Lacquer Finish, Add	*276.65*	
		For Baked Enamel Standard Colors, Add	*414.98*	
		For Anodized Finish, Add	*553.30*	
		For Kynar™ Standard Colors Finish, Add	*760.79*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,704.85	107.43
		For Flange Frame, Add	*149.00*	
		For Clear Lacquer Finish, Add	*298.00*	
		For Baked Enamel Standard Colors, Add	*447.00*	
		For Anodized Finish, Add	*596.00*	
		For Kynar™ Standard Colors Finish, Add	*819.50*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,797.73	114.92
		For Flange Frame, Add	*156.79*	
		For Clear Lacquer Finish, Add	*313.58*	
		For Baked Enamel Standard Colors, Add	*470.37*	
		For Anodized Finish, Add	*627.16*	
		For Kynar™ Standard Colors Finish, Add	*862.34*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	429.89	32.48
		For Flange Frame, Add	*36.49*	
		For Clear Lacquer Finish, Add	*72.99*	
		For Baked Enamel Standard Colors, Add	*109.48*	
		For Anodized Finish, Add	*145.97*	
		For Kynar™ Standard Colors Finish, Add	*200.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	545.12	39.97
		For Flange Frame, Add	*46.52*	
		For Clear Lacquer Finish, Add	*93.03*	
		For Baked Enamel Standard Colors, Add	*139.55*	
		For Anodized Finish, Add	*186.07*	
		For Kynar™ Standard Colors Finish, Add	*255.84*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	674.77	47.47
		For Flange Frame, Add	*57.98*	
		For Clear Lacquer Finish, Add	*115.97*	
		For Baked Enamel Standard Colors, Add	*173.95*	
		For Anodized Finish, Add	*231.94*	
		For Kynar™ Standard Colors Finish, Add	*318.91*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	796.45	57.46
		For Flange Frame, Add	*68.15*	
		For Clear Lacquer Finish, Add	*136.31*	
		For Baked Enamel Standard Colors, Add	*204.46*	
		For Anodized Finish, Add	*272.61*	
		For Kynar™ Standard Colors Finish, Add	*374.84*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	902.37	62.45
		For Flange Frame, Add	*77.75*	
		For Clear Lacquer Finish, Add	*155.49*	
		For Baked Enamel Standard Colors, Add	*233.24*	
		For Anodized Finish, Add	*310.98*	
		For Kynar™ Standard Colors Finish, Add	*427.60*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,014.05	67.45
		For Flange Frame, Add	*87.91*	
		For Clear Lacquer Finish, Add	*175.83*	
		For Baked Enamel Standard Colors, Add	*263.74*	
		For Anodized Finish, Add	*351.66*	
		For Kynar™ Standard Colors Finish, Add	*483.53*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,152.36	74.95
		For Flange Frame, Add	*100.25*	
		For Clear Lacquer Finish, Add	*200.49*	
		For Baked Enamel Standard Colors, Add	*300.74*	
		For Anodized Finish, Add	*400.99*	
		For Kynar™ Standard Colors Finish, Add	*551.36*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,270.43	84.94
		For Flange Frame, Add	*110.06*	
		For Clear Lacquer Finish, Add	*220.11*	
		For Baked Enamel Standard Colors, Add	*330.17*	
		For Anodized Finish, Add	*440.22*	
		For Kynar™ Standard Colors Finish, Add	*605.30*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,361.21	89.93
		For Flange Frame, Add	*118.13*	
		For Clear Lacquer Finish, Add	*236.27*	
		For Baked Enamel Standard Colors, Add	*354.40*	
		For Anodized Finish, Add	*472.53*	
		For Kynar™ Standard Colors Finish, Add	*649.73*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,461.96	99.93
		For Flange Frame, Add	*126.21*	
		For Clear Lacquer Finish, Add	*252.42*	
		For Baked Enamel Standard Colors, Add	*378.63*	
		For Anodized Finish, Add	*504.84*	
		For Kynar™ Standard Colors Finish, Add	*694.16*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,554.17	104.93
		For Flange Frame, Add	*134.43*	
		For Clear Lacquer Finish, Add	*268.86*	
		For Baked Enamel Standard Colors, Add	*403.30*	
		For Anodized Finish, Add	*537.73*	
		For Kynar™ Standard Colors Finish, Add	*739.38*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,678.84	109.92
		For Flange Frame, Add	*145.90*	
		For Clear Lacquer Finish, Add	*291.80*	
		For Baked Enamel Standard Colors, Add	*437.70*	
		For Anodized Finish, Add	*583.60*	
		For Kynar™ Standard Colors Finish, Add	*802.44*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,784.75	114.92
		For Flange Frame, Add	*155.49*	
		For Clear Lacquer Finish, Add	*310.98*	
		For Baked Enamel Standard Colors, Add	*466.47*	
		For Anodized Finish, Add	*621.96*	
		For Kynar™ Standard Colors Finish, Add	*855.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,918.73	122.41
		For Flange Frame, Add	*167.39*	
		For Clear Lacquer Finish, Add	*334.78*	
		For Baked Enamel Standard Colors, Add	*502.17*	
		For Anodized Finish, Add	*669.56*	
		For Kynar™ Standard Colors Finish, Add	*920.65*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,018.11	129.91
		For Flange Frame, Add	*175.83*	
		For Clear Lacquer Finish, Add	*351.66*	
		For Baked Enamel Standard Colors, Add	*527.49*	
		For Anodized Finish, Add	*703.32*	
		For Kynar™ Standard Colors Finish, Add	*967.06*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	479.54	37.48
		For Flange Frame, Add	*40.46*	
		For Clear Lacquer Finish, Add	*80.92*	
		For Baked Enamel Standard Colors, Add	*121.38*	
		For Anodized Finish, Add	*161.84*	
		For Kynar™ Standard Colors Finish, Add	*222.52*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	638.67	49.96
		For Flange Frame, Add	*53.87*	
		For Clear Lacquer Finish, Add	*107.75*	
		For Baked Enamel Standard Colors, Add	*161.62*	
		For Anodized Finish, Add	*215.50*	
		For Kynar™ Standard Colors Finish, Add	*296.31*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	757.51	57.46
		For Flange Frame, Add	*64.26*	
		For Clear Lacquer Finish, Add	*128.52*	
		For Baked Enamel Standard Colors, Add	*192.78*	
		For Anodized Finish, Add	*257.04*	
		For Kynar™ Standard Colors Finish, Add	*353.42*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	887.17	64.96
		For Flange Frame, Add	*75.73*	
		For Clear Lacquer Finish, Add	*151.45*	
		For Baked Enamel Standard Colors, Add	*227.18*	
		For Anodized Finish, Add	*302.90*	
		For Kynar™ Standard Colors Finish, Add	*416.49*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,002.46	69.95
		For Flange Frame, Add	*86.26*	
		For Clear Lacquer Finish, Add	*172.51*	
		For Baked Enamel Standard Colors, Add	*258.77*	
		For Anodized Finish, Add	*345.02*	
		For Kynar™ Standard Colors Finish, Add	*474.41*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,122.74	77.44
		For Flange Frame, Add	*96.79*	
		For Clear Lacquer Finish, Add	*193.57*	
		For Baked Enamel Standard Colors, Add	*290.36*	
		For Anodized Finish, Add	*387.14*	
		For Kynar™ Standard Colors Finish, Add	*532.32*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,265.43	82.44
		For Flange Frame, Add	*110.06*	
		For Clear Lacquer Finish, Add	*220.11*	
		For Baked Enamel Standard Colors, Add	*330.17*	
		For Anodized Finish, Add	*440.22*	
		For Kynar™ Standard Colors Finish, Add	*605.30*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,388.61	89.93
		For Flange Frame, Add	*120.87*	
		For Clear Lacquer Finish, Add	*241.75*	
		For Baked Enamel Standard Colors, Add	*362.62*	
		For Anodized Finish, Add	*483.49*	
		For Kynar™ Standard Colors Finish, Add	*664.80*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,489.46	94.93
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar™ Standard Colors Finish, Add	*714.78*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,601.77	104.93
		For Flange Frame, Add	*139.19*	
		For Clear Lacquer Finish, Add	*278.38*	
		For Baked Enamel Standard Colors, Add	*417.58*	
		For Anodized Finish, Add	*556.77*	
		For Kynar™ Standard Colors Finish, Add	*765.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,708.35	112.42
		For Flange Frame, Add	*148.35*	
		For Clear Lacquer Finish, Add	*296.70*	
		For Baked Enamel Standard Colors, Add	*445.05*	
		For Anodized Finish, Add	*593.40*	
		For Kynar™ Standard Colors Finish, Add	*815.93*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,840.95	117.41
		For Flange Frame, Add	*160.61*	
		For Clear Lacquer Finish, Add	*321.22*	
		For Baked Enamel Standard Colors, Add	*481.83*	
		For Anodized Finish, Add	*642.44*	
		For Kynar™ Standard Colors Finish, Add	*883.36*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,956.23	122.41
		For Flange Frame, Add	*171.14*	
		For Clear Lacquer Finish, Add	*342.28*	
		For Baked Enamel Standard Colors, Add	*513.42*	
		For Anodized Finish, Add	*684.56*	
		For Kynar™ Standard Colors Finish, Add	*941.28*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,096.72	129.91
		For Flange Frame, Add	*183.69*	
		For Clear Lacquer Finish, Add	*367.38*	
		For Baked Enamel Standard Colors, Add	*551.07*	
		For Anodized Finish, Add	*734.76*	
		For Kynar™ Standard Colors Finish, Add	*1,010.30*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,209.07	137.40
		For Flange Frame, Add	*193.43*	
		For Clear Lacquer Finish, Add	*386.85*	
		For Baked Enamel Standard Colors, Add	*580.28*	
		For Anodized Finish, Add	*773.70*	
		For Kynar™ Standard Colors Finish, Add	*1,063.84*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	525.59	42.47
		For Flange Frame, Add	*44.07*	
		For Clear Lacquer Finish, Add	*88.13*	
		For Baked Enamel Standard Colors, Add	*132.20*	
		For Anodized Finish, Add	*176.26*	
		For Kynar™ Standard Colors Finish, Add	*242.36*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	710.68	54.96
		For Flange Frame, Add	*60.08*	
		For Clear Lacquer Finish, Add	*120.15*	
		For Baked Enamel Standard Colors, Add	*180.23*	
		For Anodized Finish, Add	*240.30*	
		For Kynar™ Standard Colors Finish, Add	*330.42*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	830.25	62.45
		For Flange Frame, Add	*70.53*	
		For Clear Lacquer Finish, Add	*141.07*	
		For Baked Enamel Standard Colors, Add	*211.60*	
		For Anodized Finish, Add	*282.13*	
		For Kynar™ Standard Colors Finish, Add	*387.93*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	972.16	69.95
		For Flange Frame, Add	*83.23*	
		For Clear Lacquer Finish, Add	*166.45*	
		For Baked Enamel Standard Colors, Add	*249.68*	
		For Anodized Finish, Add	*332.90*	
		For Kynar™ Standard Colors Finish, Add	*457.74*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,103.15	75.95
		For Flange Frame, Add	*95.13*	
		For Clear Lacquer Finish, Add	*190.25*	
		For Baked Enamel Standard Colors, Add	*285.38*	
		For Anodized Finish, Add	*380.50*	
		For Kynar™ Standard Colors Finish, Add	*523.19*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,226.49	82.44
		For Flange Frame, Add	*106.16*	
		For Clear Lacquer Finish, Add	*212.32*	
		For Baked Enamel Standard Colors, Add	*318.48*	
		For Anodized Finish, Add	*424.64*	
		For Kynar™ Standard Colors Finish, Add	*583.89*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,385.77	87.44
		For Flange Frame, Add	*121.09*	
		For Clear Lacquer Finish, Add	*242.18*	
		For Baked Enamel Standard Colors, Add	*363.27*	
		For Anodized Finish, Add	*484.36*	
		For Kynar™ Standard Colors Finish, Add	*665.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,524.08	94.93
		For Flange Frame, Add	*133.42*	
		For Clear Lacquer Finish, Add	*266.84*	
		For Baked Enamel Standard Colors, Add	*400.27*	
		For Anodized Finish, Add	*533.69*	
		For Kynar™ Standard Colors Finish, Add	*733.82*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,637.15	102.43
		For Flange Frame, Add	*143.23*	
		For Clear Lacquer Finish, Add	*286.46*	
		For Baked Enamel Standard Colors, Add	*429.69*	
		For Anodized Finish, Add	*572.92*	
		For Kynar™ Standard Colors Finish, Add	*787.77*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,753.12	109.92
		For Flange Frame, Add	*153.33*	
		For Clear Lacquer Finish, Add	*306.65*	
		For Baked Enamel Standard Colors, Add	*459.98*	
		For Anodized Finish, Add	*613.31*	
		For Kynar™ Standard Colors Finish, Add	*843.30*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,872.69	117.41
		For Flange Frame, Add	*163.79*	
		For Clear Lacquer Finish, Add	*327.57*	
		For Baked Enamel Standard Colors, Add	*491.36*	
		For Anodized Finish, Add	*655.14*	
		For Kynar™ Standard Colors Finish, Add	*900.82*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,017.53	122.41
		For Flange Frame, Add	*177.27*	
		For Clear Lacquer Finish, Add	*354.54*	
		For Baked Enamel Standard Colors, Add	*531.81*	
		For Anodized Finish, Add	*709.08*	
		For Kynar™ Standard Colors Finish, Add	*974.99*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,141.48	127.41
		For Flange Frame, Add	*188.67*	
		For Clear Lacquer Finish, Add	*377.33*	
		For Baked Enamel Standard Colors, Add	*566.00*	
		For Anodized Finish, Add	*754.66*	
		For Kynar™ Standard Colors Finish, Add	*1,037.66*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,299.99	134.91
		For Flange Frame, Add	*203.02*	
		For Clear Lacquer Finish, Add	*406.04*	
		For Baked Enamel Standard Colors, Add	*609.05*	
		For Anodized Finish, Add	*812.07*	
		For Kynar™ Standard Colors Finish, Add	*1,116.60*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,418.83	142.40
		For Flange Frame, Add	*213.40*	
		For Clear Lacquer Finish, Add	*426.81*	
		For Baked Enamel Standard Colors, Add	*640.21*	
		For Anodized Finish, Add	*853.61*	
		For Kynar™ Standard Colors Finish, Add	*1,173.72*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	601.21	47.47
		For Flange Frame, Add	*50.63*	
		For Clear Lacquer Finish, Add	*101.26*	
		For Baked Enamel Standard Colors, Add	*151.88*	
		For Anodized Finish, Add	*202.51*	
		For Kynar™ Standard Colors Finish, Add	*278.45*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	766.84	59.96
		For Flange Frame, Add	*64.69*	
		For Clear Lacquer Finish, Add	*129.38*	
		For Baked Enamel Standard Colors, Add	*194.08*	
		For Anodized Finish, Add	*258.77*	
		For Kynar™ Standard Colors Finish, Add	*355.81*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	899.38	67.45
		For Flange Frame, Add	*76.45*	
		For Clear Lacquer Finish, Add	*152.89*	
		For Baked Enamel Standard Colors, Add	*229.34*	
		For Anodized Finish, Add	*305.79*	
		For Kynar™ Standard Colors Finish, Add	*420.46*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,051.34	77.44
		For Flange Frame, Add	*89.65*	
		For Clear Lacquer Finish, Add	*179.29*	
		For Baked Enamel Standard Colors, Add	*268.94*	
		For Anodized Finish, Add	*358.58*	
		For Kynar™ Standard Colors Finish, Add	*493.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,190.43	82.44
		For Flange Frame, Add	*102.56*	
		For Clear Lacquer Finish, Add	*205.11*	
		For Baked Enamel Standard Colors, Add	*307.67*	
		For Anodized Finish, Add	*410.22*	
		For Kynar™ Standard Colors Finish, Add	*564.05*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,322.31	87.44
		For Flange Frame, Add	*114.74*	
		For Clear Lacquer Finish, Add	*229.49*	
		For Baked Enamel Standard Colors, Add	*344.23*	
		For Anodized Finish, Add	*458.97*	
		For Kynar™ Standard Colors Finish, Add	*631.09*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,495.29	92.44
		For Flange Frame, Add	*131.04*	
		For Clear Lacquer Finish, Add	*262.08*	
		For Baked Enamel Standard Colors, Add	*393.13*	
		For Anodized Finish, Add	*524.17*	
		For Kynar™ Standard Colors Finish, Add	*720.73*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,635.77	99.93
		For Flange Frame, Add	*143.59*	
		For Clear Lacquer Finish, Add	*287.18*	
		For Baked Enamel Standard Colors, Add	*430.77*	
		For Anodized Finish, Add	*574.36*	
		For Kynar™ Standard Colors Finish, Add	*789.75*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,762.55	107.43
		For Flange Frame, Add	*154.77*	
		For Clear Lacquer Finish, Add	*309.54*	
		For Baked Enamel Standard Colors, Add	*464.31*	
		For Anodized Finish, Add	*619.08*	
		For Kynar™ Standard Colors Finish, Add	*851.24*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,881.39	114.92
		For Flange Frame, Add	*165.16*	
		For Clear Lacquer Finish, Add	*330.31*	
		For Baked Enamel Standard Colors, Add	*495.47*	
		For Anodized Finish, Add	*660.62*	
		For Kynar™ Standard Colors Finish, Add	*908.35*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,011.04	122.41
		For Flange Frame, Add	*176.62*	
		For Clear Lacquer Finish, Add	*353.24*	
		For Baked Enamel Standard Colors, Add	*529.87*	
		For Anodized Finish, Add	*706.49*	
		For Kynar™ Standard Colors Finish, Add	*971.42*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,166.72	127.41
		For Flange Frame, Add	*191.19*	
		For Clear Lacquer Finish, Add	*382.38*	
		For Baked Enamel Standard Colors, Add	*573.57*	
		For Anodized Finish, Add	*764.76*	
		For Kynar™ Standard Colors Finish, Add	*1,051.55*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,302.20	132.41
		For Flange Frame, Add	*203.74*	
		For Clear Lacquer Finish, Add	*407.48*	
		For Baked Enamel Standard Colors, Add	*611.22*	
		For Anodized Finish, Add	*814.96*	
		For Kynar™ Standard Colors Finish, Add	*1,120.56*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,479.47	139.90
		For Flange Frame, Add	*219.97*	
		For Clear Lacquer Finish, Add	*439.93*	
		For Baked Enamel Standard Colors, Add	*659.90*	
		For Anodized Finish, Add	*879.86*	
		For Kynar™ Standard Colors Finish, Add	*1,209.81*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,603.36	147.40
		For Flange Frame, Add	*230.86*	
		For Clear Lacquer Finish, Add	*461.71*	
		For Baked Enamel Standard Colors, Add	*692.57*	
		For Anodized Finish, Add	*923.42*	
		For Kynar™ Standard Colors Finish, Add	*1,269.71*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	650.88	52.47
		For Flange Frame, Add	*54.60*	
		For Clear Lacquer Finish, Add	*109.19*	
		For Baked Enamel Standard Colors, Add	*163.79*	
		For Anodized Finish, Add	*218.38*	
		For Kynar™ Standard Colors Finish, Add	*300.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	826.59	64.96
		For Flange Frame, Add	*69.67*	
		For Clear Lacquer Finish, Add	*139.34*	
		For Baked Enamel Standard Colors, Add	*209.00*	
		For Anodized Finish, Add	*278.67*	
		For Kynar™ Standard Colors Finish, Add	*383.17*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	977.83	74.95
		For Flange Frame, Add	*82.79*	
		For Clear Lacquer Finish, Add	*165.59*	
		For Baked Enamel Standard Colors, Add	*248.38*	
		For Anodized Finish, Add	*331.18*	
		For Kynar™ Standard Colors Finish, Add	*455.37*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,132.73	82.44
		For Flange Frame, Add	*96.79*	
		For Clear Lacquer Finish, Add	*193.57*	
		For Baked Enamel Standard Colors, Add	*290.36*	
		For Anodized Finish, Add	*387.14*	
		For Kynar™ Standard Colors Finish, Add	*532.32*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,286.25	87.44
		For Flange Frame, Add	*111.14*	
		For Clear Lacquer Finish, Add	*222.27*	
		For Baked Enamel Standard Colors, Add	*333.41*	
		For Anodized Finish, Add	*444.55*	
		For Kynar™ Standard Colors Finish, Add	*611.25*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,434.71	92.44
		For Flange Frame, Add	*124.98*	
		For Clear Lacquer Finish, Add	*249.97*	
		For Baked Enamel Standard Colors, Add	*374.95*	
		For Anodized Finish, Add	*499.94*	
		For Kynar™ Standard Colors Finish, Add	*687.41*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,619.90	99.93
		For Flange Frame, Add	*142.00*	
		For Clear Lacquer Finish, Add	*284.01*	
		For Baked Enamel Standard Colors, Add	*426.01*	
		For Anodized Finish, Add	*568.02*	
		For Kynar™ Standard Colors Finish, Add	*781.02*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,773.36	107.43
		For Flange Frame, Add	*155.85*	
		For Clear Lacquer Finish, Add	*311.70*	
		For Baked Enamel Standard Colors, Add	*467.55*	
		For Anodized Finish, Add	*623.40*	
		For Kynar™ Standard Colors Finish, Add	*857.18*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,906.63	114.92
		For Flange Frame, Add	*167.68*	
		For Clear Lacquer Finish, Add	*335.36*	
		For Baked Enamel Standard Colors, Add	*503.04*	
		For Anodized Finish, Add	*670.72*	
		For Kynar™ Standard Colors Finish, Add	*922.23*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,042.05	122.41
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar™ Standard Colors Finish, Add	*988.48*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,174.61	129.91
		For Flange Frame, Add	*191.48*	
		For Clear Lacquer Finish, Add	*382.96*	
		For Baked Enamel Standard Colors, Add	*574.44*	
		For Anodized Finish, Add	*765.92*	
		For Kynar™ Standard Colors Finish, Add	*1,053.13*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,350.47	134.91
		For Flange Frame, Add	*208.07*	
		For Clear Lacquer Finish, Add	*416.13*	
		For Baked Enamel Standard Colors, Add	*624.20*	
		For Anodized Finish, Add	*832.26*	
		For Kynar™ Standard Colors Finish, Add	*1,144.36*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,496.78	139.90
		For Flange Frame, Add	*221.70*	
		For Clear Lacquer Finish, Add	*443.39*	
		For Baked Enamel Standard Colors, Add	*665.09*	
		For Anodized Finish, Add	*886.79*	
		For Kynar™ Standard Colors Finish, Add	*1,219.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,676.97	144.90
		For Flange Frame, Add	*238.72*	
		For Clear Lacquer Finish, Add	*477.43*	
		For Baked Enamel Standard Colors, Add	*716.15*	
		For Anodized Finish, Add	*954.87*	
		For Kynar™ Standard Colors Finish, Add	*1,312.94*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,813.11	152.40
		For Flange Frame, Add	*250.83*	
		For Clear Lacquer Finish, Add	*501.67*	
		For Baked Enamel Standard Colors, Add	*752.50*	
		For Anodized Finish, Add	*1,003.33*	
		For Kynar™ Standard Colors Finish, Add	*1,379.58*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	755.30	59.96
		For Flange Frame, Add	*63.54*	
		For Clear Lacquer Finish, Add	*127.08*	
		For Baked Enamel Standard Colors, Add	*190.61*	
		For Anodized Finish, Add	*254.15*	
		For Kynar™ Standard Colors Finish, Add	*349.46*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	967.07	72.45
		For Flange Frame, Add	*82.22*	
		For Clear Lacquer Finish, Add	*164.43*	
		For Baked Enamel Standard Colors, Add	*246.65*	
		For Anodized Finish, Add	*328.87*	
		For Kynar™ Standard Colors Finish, Add	*452.19*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,133.40	84.94
		For Flange Frame, Add	*96.35*	
		For Clear Lacquer Finish, Add	*192.70*	
		For Baked Enamel Standard Colors, Add	*289.06*	
		For Anodized Finish, Add	*385.41*	
		For Kynar™ Standard Colors Finish, Add	*529.94*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,299.90	89.93
		For Flange Frame, Add	*112.00*	
		For Clear Lacquer Finish, Add	*224.00*	
		For Baked Enamel Standard Colors, Add	*336.01*	
		For Anodized Finish, Add	*448.01*	
		For Kynar™ Standard Colors Finish, Add	*616.01*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,480.81	94.93
		For Flange Frame, Add	*129.10*	
		For Clear Lacquer Finish, Add	*258.19*	
		For Baked Enamel Standard Colors, Add	*387.29*	
		For Anodized Finish, Add	*516.38*	
		For Kynar™ Standard Colors Finish, Add	*710.02*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,642.98	99.93
		For Flange Frame, Add	*144.31*	
		For Clear Lacquer Finish, Add	*288.62*	
		For Baked Enamel Standard Colors, Add	*432.94*	
		For Anodized Finish, Add	*577.25*	
		For Kynar™ Standard Colors Finish, Add	*793.72*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,857.74	107.43
		For Flange Frame, Add	*164.29*	
		For Clear Lacquer Finish, Add	*328.58*	
		For Baked Enamel Standard Colors, Add	*492.87*	
		For Anodized Finish, Add	*657.16*	
		For Kynar™ Standard Colors Finish, Add	*903.59*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,066.74	114.92
		For Flange Frame, Add	*183.69*	
		For Clear Lacquer Finish, Add	*367.38*	
		For Baked Enamel Standard Colors, Add	*551.07*	
		For Anodized Finish, Add	*734.76*	
		For Kynar™ Standard Colors Finish, Add	*1,010.30*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,223.79	122.41
		For Flange Frame, Add	*197.90*	
		For Clear Lacquer Finish, Add	*395.79*	
		For Baked Enamel Standard Colors, Add	*593.69*	
		For Anodized Finish, Add	*791.59*	
		For Kynar™ Standard Colors Finish, Add	*1,088.43*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,378.71	129.91
		For Flange Frame, Add	*211.89*	
		For Clear Lacquer Finish, Add	*423.78*	
		For Baked Enamel Standard Colors, Add	*635.67*	
		For Anodized Finish, Add	*847.56*	
		For Kynar™ Standard Colors Finish, Add	*1,165.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,527.17	134.91
		For Flange Frame, Add	*225.74*	
		For Clear Lacquer Finish, Add	*451.47*	
		For Baked Enamel Standard Colors, Add	*677.21*	
		For Anodized Finish, Add	*902.94*	
		For Kynar™ Standard Colors Finish, Add	*1,241.55*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,723.24	139.90
		For Flange Frame, Add	*244.34*	
		For Clear Lacquer Finish, Add	*488.69*	
		For Baked Enamel Standard Colors, Add	*733.03*	
		For Anodized Finish, Add	*977.37*	
		For Kynar™ Standard Colors Finish, Add	*1,343.89*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,886.84	144.90
		For Flange Frame, Add	*259.70*	
		For Clear Lacquer Finish, Add	*519.41*	
		For Baked Enamel Standard Colors, Add	*779.11*	
		For Anodized Finish, Add	*1,038.82*	
		For Kynar™ Standard Colors Finish, Add	*1,428.37*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,097.32	149.89
		For Flange Frame, Add	*279.75*	
		For Clear Lacquer Finish, Add	*559.51*	
		For Baked Enamel Standard Colors, Add	*839.26*	
		For Anodized Finish, Add	*1,119.01*	
		For Kynar™ Standard Colors Finish, Add	*1,538.64*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,255.83	157.39
		For Flange Frame, Add	*294.11*	
		For Clear Lacquer Finish, Add	*588.21*	
		For Baked Enamel Standard Colors, Add	*882.32*	
		For Anodized Finish, Add	*1,176.42*	
		For Kynar™ Standard Colors Finish, Add	*1,617.58*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	802.07	64.96
		For Flange Frame, Add	*67.22*	
		For Clear Lacquer Finish, Add	*134.43*	
		For Baked Enamel Standard Colors, Add	*201.65*	
		For Anodized Finish, Add	*268.86*	
		For Kynar™ Standard Colors Finish, Add	*369.69*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,031.82	79.95
		For Flange Frame, Add	*87.19*	
		For Clear Lacquer Finish, Add	*174.39*	
		For Baked Enamel Standard Colors, Add	*261.58*	
		For Anodized Finish, Add	*348.77*	
		For Kynar™ Standard Colors Finish, Add	*479.56*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,201.10	89.93
		For Flange Frame, Add	*102.12*	
		For Clear Lacquer Finish, Add	*204.24*	
		For Baked Enamel Standard Colors, Add	*306.37*	
		For Anodized Finish, Add	*408.49*	
		For Kynar™ Standard Colors Finish, Add	*561.67*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,384.17	94.93
		For Flange Frame, Add	*119.43*	
		For Clear Lacquer Finish, Add	*238.86*	
		For Baked Enamel Standard Colors, Add	*358.29*	
		For Anodized Finish, Add	*477.72*	
		For Kynar™ Standard Colors Finish, Add	*656.87*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,576.57	102.43
		For Flange Frame, Add	*137.17*	
		For Clear Lacquer Finish, Add	*274.34*	
		For Baked Enamel Standard Colors, Add	*411.52*	
		For Anodized Finish, Add	*548.69*	
		For Kynar™ Standard Colors Finish, Add	*754.45*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,748.12	107.43
		For Flange Frame, Add	*153.33*	
		For Clear Lacquer Finish, Add	*306.65*	
		For Baked Enamel Standard Colors, Add	*459.98*	
		For Anodized Finish, Add	*613.31*	
		For Kynar™ Standard Colors Finish, Add	*843.30*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,978.03	114.92
		For Flange Frame, Add	*174.82*	
		For Clear Lacquer Finish, Add	*349.64*	
		For Baked Enamel Standard Colors, Add	*524.46*	
		For Anodized Finish, Add	*699.28*	
		For Kynar™ Standard Colors Finish, Add	*961.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,192.78	122.41
		For Flange Frame, Add	*194.80*	
		For Clear Lacquer Finish, Add	*389.59*	
		For Baked Enamel Standard Colors, Add	*584.39*	
		For Anodized Finish, Add	*779.18*	
		For Kynar™ Standard Colors Finish, Add	*1,071.38*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,360.68	129.91
		For Flange Frame, Add	*210.09*	
		For Clear Lacquer Finish, Add	*420.17*	
		For Baked Enamel Standard Colors, Add	*630.26*	
		For Anodized Finish, Add	*840.34*	
		For Kynar™ Standard Colors Finish, Add	*1,155.47*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,525.68	137.40
		For Flange Frame, Add	*225.09*	
		For Clear Lacquer Finish, Add	*450.17*	
		For Baked Enamel Standard Colors, Add	*675.26*	
		For Anodized Finish, Add	*900.35*	
		For Kynar™ Standard Colors Finish, Add	*1,237.98*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,683.51	142.40
		For Flange Frame, Add	*239.87*	
		For Clear Lacquer Finish, Add	*479.74*	
		For Baked Enamel Standard Colors, Add	*719.61*	
		For Anodized Finish, Add	*959.48*	
		For Kynar™ Standard Colors Finish, Add	*1,319.29*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,896.17	147.40
		For Flange Frame, Add	*260.14*	
		For Clear Lacquer Finish, Add	*520.27*	
		For Baked Enamel Standard Colors, Add	*780.41*	
		For Anodized Finish, Add	*1,040.55*	
		For Kynar™ Standard Colors Finish, Add	*1,430.75*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,067.70	152.40
		For Flange Frame, Add	*276.29*	
		For Clear Lacquer Finish, Add	*552.58*	
		For Baked Enamel Standard Colors, Add	*828.88*	
		For Anodized Finish, Add	*1,105.17*	
		For Kynar™ Standard Colors Finish, Add	*1,519.61*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,289.01	157.39
		For Flange Frame, Add	*297.42*	
		For Clear Lacquer Finish, Add	*594.85*	
		For Baked Enamel Standard Colors, Add	*892.27*	
		For Anodized Finish, Add	*1,189.69*	
		For Kynar™ Standard Colors Finish, Add	*1,635.83*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,451.89	162.39
		For Flange Frame, Add	*312.71*	
		For Clear Lacquer Finish, Add	*625.42*	
		For Baked Enamel Standard Colors, Add	*938.14*	
		For Anodized Finish, Add	*1,250.85*	
		For Kynar™ Standard Colors Finish, Add	*1,719.92*	
08 91 16 00-0137		Adjustable Intake Wall Louvers Operators *(08 91 16)*		
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	205.74	24.99
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	436.84	9.99
08 91 19		**Fixed Louvers** *(08 91)*		
08 91 19 00-0001		Fixed Intake Wall Louvers *(08 91 19)*		
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	262.77	22.48
		For Flange Frame, Add	*21.78*	
		For Clear Lacquer Finish, Add	*43.56*	
		For Baked Enamel Standard Colors, Add	*65.34*	
		For Anodized Finish, Add	*87.12*	
		For Kynar™ Standard Colors Finish, Add	*119.79*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	312.43	27.48
		For Flange Frame, Add	*25.75*	
		For Clear Lacquer Finish, Add	*51.49*	
		For Baked Enamel Standard Colors, Add	*77.24*	
		For Anodized Finish, Add	*102.99*	
		For Kynar™ Standard Colors Finish, Add	*141.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	362.82	32.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*29.79*	
		For Clear Lacquer Finish, Add	*59.57*	
		For Baked Enamel Standard Colors, Add	*89.36*	
		For Anodized Finish, Add	*119.14*	
		For Kynar™ Standard Colors Finish, Add	*163.82*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	425.45	37.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*35.05*	
		For Clear Lacquer Finish, Add	*70.10*	
		For Baked Enamel Standard Colors, Add	*105.15*	
		For Anodized Finish, Add	*140.20*	
		For Kynar™ Standard Colors Finish, Add	*192.78*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	478.72	42.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*39.38*	
		For Clear Lacquer Finish, Add	*78.76*	
		For Baked Enamel Standard Colors, Add	*118.13*	
		For Anodized Finish, Add	*157.51*	
		For Kynar™ Standard Colors Finish, Add	*216.58*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	563.71	47.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.88*	
		For Clear Lacquer Finish, Add	*93.76*	
		For Baked Enamel Standard Colors, Add	*140.63*	
		For Anodized Finish, Add	*187.51*	
		For Kynar™ Standard Colors Finish, Add	*257.83*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	611.21	52.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*50.63*	
		For Clear Lacquer Finish, Add	*101.26*	
		For Baked Enamel Standard Colors, Add	*151.88*	
		For Anodized Finish, Add	*202.51*	
		For Kynar™ Standard Colors Finish, Add	*278.45*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	683.90	59.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.40*	
		For Clear Lacquer Finish, Add	*112.80*	
		For Baked Enamel Standard Colors, Add	*169.19*	
		For Anodized Finish, Add	*225.59*	
		For Kynar™ Standard Colors Finish, Add	*310.19*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	727.78	64.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.79*	
		For Clear Lacquer Finish, Add	*119.57*	
		For Baked Enamel Standard Colors, Add	*179.36*	
		For Anodized Finish, Add	*239.15*	
		For Kynar™ Standard Colors Finish, Add	*328.83*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	786.82	69.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.69*	
		For Clear Lacquer Finish, Add	*129.38*	
		For Baked Enamel Standard Colors, Add	*194.08*	
		For Anodized Finish, Add	*258.77*	
		For Kynar™ Standard Colors Finish, Add	*355.81*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	838.64	74.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.88*	
		For Clear Lacquer Finish, Add	*137.75*	
		For Baked Enamel Standard Colors, Add	*206.63*	
		For Anodized Finish, Add	*275.50*	
		For Kynar™ Standard Colors Finish, Add	*378.81*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	899.84	79.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*74.00*	
		For Clear Lacquer Finish, Add	*147.99*	
		For Baked Enamel Standard Colors, Add	*221.99*	
		For Anodized Finish, Add	*295.98*	
		For Kynar™ Standard Colors Finish, Add	*406.97*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	957.43	84.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*78.76*	
		For Clear Lacquer Finish, Add	*157.51*	
		For Baked Enamel Standard Colors, Add	*236.27*	
		For Anodized Finish, Add	*315.02*	
		For Kynar™ Standard Colors Finish, Add	*433.15*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,009.92	92.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.51*	
		For Clear Lacquer Finish, Add	*165.01*	
		For Baked Enamel Standard Colors, Add	*247.52*	
		For Anodized Finish, Add	*330.02*	
		For Kynar™ Standard Colors Finish, Add	*453.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,079.00	99.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.91*	
		For Clear Lacquer Finish, Add	*175.83*	
		For Baked Enamel Standard Colors, Add	*263.74*	
		For Anodized Finish, Add	*351.66*	
		For Kynar™ Standard Colors Finish, Add	*483.53*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	305.94	27.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*25.10*	
		For Clear Lacquer Finish, Add	*50.20*	
		For Baked Enamel Standard Colors, Add	*75.29*	
		For Anodized Finish, Add	*100.39*	
		For Kynar™ Standard Colors Finish, Add	*138.04*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	367.81	34.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*29.79*	
		For Clear Lacquer Finish, Add	*59.57*	
		For Baked Enamel Standard Colors, Add	*89.36*	
		For Anodized Finish, Add	*119.14*	
		For Kynar™ Standard Colors Finish, Add	*163.82*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	426.13	39.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*34.62*	
		For Clear Lacquer Finish, Add	*69.24*	
		For Baked Enamel Standard Colors, Add	*103.85*	
		For Anodized Finish, Add	*138.47*	
		For Kynar™ Standard Colors Finish, Add	*190.40*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	534.09	49.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*43.42*	
		For Clear Lacquer Finish, Add	*86.83*	
		For Baked Enamel Standard Colors, Add	*130.25*	
		For Anodized Finish, Add	*173.66*	
		For Kynar™ Standard Colors Finish, Add	*238.79*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	611.88	54.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*50.20*	
		For Clear Lacquer Finish, Add	*100.39*	
		For Baked Enamel Standard Colors, Add	*150.59*	
		For Anodized Finish, Add	*200.78*	
		For Kynar™ Standard Colors Finish, Add	*276.08*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	681.01	59.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.11*	
		For Clear Lacquer Finish, Add	*112.22*	
		For Baked Enamel Standard Colors, Add	*168.33*	
		For Anodized Finish, Add	*224.44*	
		For Kynar™ Standard Colors Finish, Add	*308.60*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	730.67	64.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*60.08*	
		For Clear Lacquer Finish, Add	*120.15*	
		For Baked Enamel Standard Colors, Add	*180.23*	
		For Anodized Finish, Add	*240.30*	
		For Kynar™ Standard Colors Finish, Add	*330.42*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	813.45	72.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*66.86*	
		For Clear Lacquer Finish, Add	*133.71*	
		For Baked Enamel Standard Colors, Add	*200.57*	
		For Anodized Finish, Add	*267.42*	
		For Kynar™ Standard Colors Finish, Add	*367.70*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	872.44	79.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*71.26*	
		For Clear Lacquer Finish, Add	*142.51*	
		For Baked Enamel Standard Colors, Add	*213.77*	
		For Anodized Finish, Add	*285.02*	
		For Kynar™ Standard Colors Finish, Add	*391.90*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	947.33	84.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*77.75*	
		For Clear Lacquer Finish, Add	*155.49*	
		For Baked Enamel Standard Colors, Add	*233.24*	
		For Anodized Finish, Add	*310.98*	
		For Kynar™ Standard Colors Finish, Add	*427.60*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,004.93	89.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.51*	
		For Clear Lacquer Finish, Add	*165.01*	
		For Baked Enamel Standard Colors, Add	*247.52*	
		For Anodized Finish, Add	*330.02*	
		For Kynar™ Standard Colors Finish, Add	*453.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,069.00	94.93
		For Flange Frame, Add	*87.91*	
		For Clear Lacquer Finish, Add	*175.83*	
		For Baked Enamel Standard Colors, Add	*263.74*	
		For Anodized Finish, Add	*351.66*	
		For Kynar™ Standard Colors Finish, Add	*483.53*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,135.98	99.93
		For Flange Frame, Add	*93.61*	
		For Clear Lacquer Finish, Add	*187.22*	
		For Baked Enamel Standard Colors, Add	*280.84*	
		For Anodized Finish, Add	*374.45*	
		For Kynar™ Standard Colors Finish, Add	*514.87*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,196.40	107.43
		For Flange Frame, Add	*98.16*	
		For Clear Lacquer Finish, Add	*196.31*	
		For Baked Enamel Standard Colors, Add	*294.47*	
		For Anodized Finish, Add	*392.62*	
		For Kynar™ Standard Colors Finish, Add	*539.85*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,279.19	114.92
		For Flange Frame, Add	*104.94*	
		For Clear Lacquer Finish, Add	*209.87*	
		For Baked Enamel Standard Colors, Add	*314.81*	
		For Anodized Finish, Add	*419.74*	
		For Kynar™ Standard Colors Finish, Add	*577.14*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	354.16	32.48
		For Flange Frame, Add	*28.92*	
		For Clear Lacquer Finish, Add	*57.84*	
		For Baked Enamel Standard Colors, Add	*86.76*	
		For Anodized Finish, Add	*115.68*	
		For Kynar™ Standard Colors Finish, Add	*159.06*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	422.52	39.97
		For Flange Frame, Add	*34.26*	
		For Clear Lacquer Finish, Add	*68.51*	
		For Baked Enamel Standard Colors, Add	*102.77*	
		For Anodized Finish, Add	*137.03*	
		For Kynar™ Standard Colors Finish, Add	*188.41*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	522.60	47.47
		For Flange Frame, Add	*42.77*	
		For Clear Lacquer Finish, Add	*85.53*	
		For Baked Enamel Standard Colors, Add	*128.30*	
		For Anodized Finish, Add	*171.07*	
		For Kynar™ Standard Colors Finish, Add	*235.22*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	616.88	57.46
		For Flange Frame, Add	*50.20*	
		For Clear Lacquer Finish, Add	*100.39*	
		For Baked Enamel Standard Colors, Add	*150.59*	
		For Anodized Finish, Add	*200.78*	
		For Kynar™ Standard Colors Finish, Add	*276.08*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	704.76	62.45
		For Flange Frame, Add	*57.98*	
		For Clear Lacquer Finish, Add	*115.97*	
		For Baked Enamel Standard Colors, Add	*173.95*	
		For Anodized Finish, Add	*231.94*	
		For Kynar™ Standard Colors Finish, Add	*318.91*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	786.15	67.45
		For Flange Frame, Add	*65.12*	
		For Clear Lacquer Finish, Add	*130.25*	
		For Baked Enamel Standard Colors, Add	*195.37*	
		For Anodized Finish, Add	*260.50*	
		For Kynar™ Standard Colors Finish, Add	*358.18*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	855.22	74.95
		For Flange Frame, Add	*70.53*	
		For Clear Lacquer Finish, Add	*141.07*	
		For Baked Enamel Standard Colors, Add	*211.60*	
		For Anodized Finish, Add	*282.13*	
		For Kynar™ Standard Colors Finish, Add	*387.93*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	947.33	84.94
		For Flange Frame, Add	*77.75*	
		For Clear Lacquer Finish, Add	*155.49*	
		For Baked Enamel Standard Colors, Add	*233.24*	
		For Anodized Finish, Add	*310.98*	
		For Kynar™ Standard Colors Finish, Add	*427.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,007.82	89.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.79*	
		For Clear Lacquer Finish, Add	*165.59*	
		For Baked Enamel Standard Colors, Add	*248.38*	
		For Anodized Finish, Add	*331.18*	
		For Kynar™ Standard Colors Finish, Add	*455.37*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,107.85	99.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*90.80*	
		For Clear Lacquer Finish, Add	*181.60*	
		For Baked Enamel Standard Colors, Add	*272.40*	
		For Anodized Finish, Add	*363.20*	
		For Kynar™ Standard Colors Finish, Add	*499.39*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,170.49	104.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*96.06*	
		For Clear Lacquer Finish, Add	*192.13*	
		For Baked Enamel Standard Colors, Add	*288.19*	
		For Anodized Finish, Add	*384.26*	
		For Kynar™ Standard Colors Finish, Add	*528.35*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,251.17	109.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*103.13*	
		For Clear Lacquer Finish, Add	*206.26*	
		For Baked Enamel Standard Colors, Add	*309.40*	
		For Anodized Finish, Add	*412.53*	
		For Kynar™ Standard Colors Finish, Add	*567.23*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,330.39	114.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*110.06*	
		For Clear Lacquer Finish, Add	*220.11*	
		For Baked Enamel Standard Colors, Add	*330.17*	
		For Anodized Finish, Add	*440.22*	
		For Kynar™ Standard Colors Finish, Add	*605.30*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,392.25	122.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*114.74*	
		For Clear Lacquer Finish, Add	*229.49*	
		For Baked Enamel Standard Colors, Add	*344.23*	
		For Anodized Finish, Add	*458.97*	
		For Kynar™ Standard Colors Finish, Add	*631.09*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,492.35	129.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*123.25*	
		For Clear Lacquer Finish, Add	*246.51*	
		For Baked Enamel Standard Colors, Add	*369.76*	
		For Anodized Finish, Add	*493.01*	
		For Kynar™ Standard Colors Finish, Add	*677.89*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	397.33	37.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*32.24*	
		For Clear Lacquer Finish, Add	*64.48*	
		For Baked Enamel Standard Colors, Add	*96.71*	
		For Anodized Finish, Add	*128.95*	
		For Kynar™ Standard Colors Finish, Add	*177.31*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	514.62	49.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*41.47*	
		For Clear Lacquer Finish, Add	*82.94*	
		For Baked Enamel Standard Colors, Add	*124.41*	
		For Anodized Finish, Add	*165.88*	
		For Kynar™ Standard Colors Finish, Add	*228.08*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	600.29	57.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*48.54*	
		For Clear Lacquer Finish, Add	*97.07*	
		For Baked Enamel Standard Colors, Add	*145.61*	
		For Anodized Finish, Add	*194.15*	
		For Kynar™ Standard Colors Finish, Add	*266.95*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	699.66	64.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.98*	
		For Clear Lacquer Finish, Add	*113.95*	
		For Baked Enamel Standard Colors, Add	*170.93*	
		For Anodized Finish, Add	*227.90*	
		For Kynar™ Standard Colors Finish, Add	*313.36*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	804.85	69.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*66.50*	
		For Clear Lacquer Finish, Add	*132.99*	
		For Baked Enamel Standard Colors, Add	*199.49*	
		For Anodized Finish, Add	*265.98*	
		For Kynar™ Standard Colors Finish, Add	*365.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	894.84	77.44
		For Flange Frame, Add	*74.00*	
		For Clear Lacquer Finish, Add	*147.99*	
		For Baked Enamel Standard Colors, Add	*221.99*	
		For Anodized Finish, Add	*295.98*	
		For Kynar™ Standard Colors Finish, Add	*406.97*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	961.81	82.44
		For Flange Frame, Add	*79.69*	
		For Clear Lacquer Finish, Add	*159.39*	
		For Baked Enamel Standard Colors, Add	*239.08*	
		For Anodized Finish, Add	*318.77*	
		For Kynar™ Standard Colors Finish, Add	*438.31*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,056.14	89.93
		For Flange Frame, Add	*87.63*	
		For Clear Lacquer Finish, Add	*175.25*	
		For Baked Enamel Standard Colors, Add	*262.88*	
		For Anodized Finish, Add	*350.50*	
		For Kynar™ Standard Colors Finish, Add	*481.94*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,131.03	94.93
		For Flange Frame, Add	*94.12*	
		For Clear Lacquer Finish, Add	*188.23*	
		For Baked Enamel Standard Colors, Add	*282.35*	
		For Anodized Finish, Add	*376.47*	
		For Kynar™ Standard Colors Finish, Add	*517.64*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,246.21	104.93
		For Flange Frame, Add	*103.64*	
		For Clear Lacquer Finish, Add	*207.27*	
		For Baked Enamel Standard Colors, Add	*310.91*	
		For Anodized Finish, Add	*414.54*	
		For Kynar™ Standard Colors Finish, Add	*570.00*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,320.34	112.42
		For Flange Frame, Add	*109.55*	
		For Clear Lacquer Finish, Add	*219.10*	
		For Baked Enamel Standard Colors, Add	*328.65*	
		For Anodized Finish, Add	*438.20*	
		For Kynar™ Standard Colors Finish, Add	*602.53*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,406.07	117.41
		For Flange Frame, Add	*117.12*	
		For Clear Lacquer Finish, Add	*234.25*	
		For Baked Enamel Standard Colors, Add	*351.37*	
		For Anodized Finish, Add	*468.49*	
		For Kynar™ Standard Colors Finish, Add	*644.18*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,491.05	122.41
		For Flange Frame, Add	*124.62*	
		For Clear Lacquer Finish, Add	*249.25*	
		For Baked Enamel Standard Colors, Add	*373.87*	
		For Anodized Finish, Add	*498.49*	
		For Kynar™ Standard Colors Finish, Add	*685.43*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,563.75	129.91
		For Flange Frame, Add	*130.39*	
		For Clear Lacquer Finish, Add	*260.79*	
		For Baked Enamel Standard Colors, Add	*391.18*	
		For Anodized Finish, Add	*521.57*	
		For Kynar™ Standard Colors Finish, Add	*717.16*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,676.82	137.40
		For Flange Frame, Add	*140.20*	
		For Clear Lacquer Finish, Add	*280.40*	
		For Baked Enamel Standard Colors, Add	*420.60*	
		For Anodized Finish, Add	*560.80*	
		For Kynar™ Standard Colors Finish, Add	*771.11*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	441.21	42.47
		For Flange Frame, Add	*35.63*	
		For Clear Lacquer Finish, Add	*71.25*	
		For Baked Enamel Standard Colors, Add	*106.88*	
		For Anodized Finish, Add	*142.51*	
		For Kynar™ Standard Colors Finish, Add	*195.95*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	578.70	54.96
		For Flange Frame, Add	*46.88*	
		For Clear Lacquer Finish, Add	*93.76*	
		For Baked Enamel Standard Colors, Add	*140.63*	
		For Anodized Finish, Add	*187.51*	
		For Kynar™ Standard Colors Finish, Add	*257.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	668.70	62.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*54.38*	
		For Clear Lacquer Finish, Add	*108.76*	
		For Baked Enamel Standard Colors, Add	*163.13*	
		For Anodized Finish, Add	*217.51*	
		For Kynar™ Standard Colors Finish, Add	*299.08*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	775.28	69.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.54*	
		For Clear Lacquer Finish, Add	*127.08*	
		For Baked Enamel Standard Colors, Add	*190.61*	
		For Anodized Finish, Add	*254.15*	
		For Kynar™ Standard Colors Finish, Add	*349.46*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	894.00	75.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.21*	
		For Clear Lacquer Finish, Add	*148.42*	
		For Baked Enamel Standard Colors, Add	*222.63*	
		For Anodized Finish, Add	*296.84*	
		For Kynar™ Standard Colors Finish, Add	*408.16*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	987.05	82.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*82.22*	
		For Clear Lacquer Finish, Add	*164.43*	
		For Baked Enamel Standard Colors, Add	*246.65*	
		For Anodized Finish, Add	*328.87*	
		For Kynar™ Standard Colors Finish, Add	*452.19*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,067.00	87.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*89.21*	
		For Clear Lacquer Finish, Add	*178.42*	
		For Baked Enamel Standard Colors, Add	*267.64*	
		For Anodized Finish, Add	*356.85*	
		For Kynar™ Standard Colors Finish, Add	*490.67*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,174.30	94.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.44*	
		For Clear Lacquer Finish, Add	*196.89*	
		For Baked Enamel Standard Colors, Add	*295.33*	
		For Anodized Finish, Add	*393.78*	
		For Kynar™ Standard Colors Finish, Add	*541.44*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,256.36	102.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*105.15*	
		For Clear Lacquer Finish, Add	*210.30*	
		For Baked Enamel Standard Colors, Add	*315.45*	
		For Anodized Finish, Add	*420.60*	
		For Kynar™ Standard Colors Finish, Add	*578.33*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,384.59	109.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.47*	
		For Clear Lacquer Finish, Add	*232.95*	
		For Baked Enamel Standard Colors, Add	*349.42*	
		For Anodized Finish, Add	*465.90*	
		For Kynar™ Standard Colors Finish, Add	*640.61*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,470.26	117.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.54*	
		For Clear Lacquer Finish, Add	*247.08*	
		For Baked Enamel Standard Colors, Add	*370.63*	
		For Anodized Finish, Add	*494.17*	
		For Kynar™ Standard Colors Finish, Add	*679.48*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,561.73	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*131.69*	
		For Clear Lacquer Finish, Add	*263.38*	
		For Baked Enamel Standard Colors, Add	*395.07*	
		For Anodized Finish, Add	*526.76*	
		For Kynar™ Standard Colors Finish, Add	*724.30*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,656.83	127.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*140.20*	
		For Clear Lacquer Finish, Add	*280.40*	
		For Baked Enamel Standard Colors, Add	*420.60*	
		For Anodized Finish, Add	*560.80*	
		For Kynar™ Standard Colors Finish, Add	*771.11*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,739.62	134.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*146.98*	
		For Clear Lacquer Finish, Add	*293.96*	
		For Baked Enamel Standard Colors, Add	*440.94*	
		For Anodized Finish, Add	*587.92*	
		For Kynar™ Standard Colors Finish, Add	*808.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,867.11	142.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*158.23*	
		For Clear Lacquer Finish, Add	*316.46*	
		For Baked Enamel Standard Colors, Add	*474.69*	
		For Anodized Finish, Add	*632.92*	
		For Kynar™ Standard Colors Finish, Add	*870.27*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	512.50	47.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*41.76*	
		For Clear Lacquer Finish, Add	*83.51*	
		For Baked Enamel Standard Colors, Add	*125.27*	
		For Anodized Finish, Add	*167.03*	
		For Kynar™ Standard Colors Finish, Add	*229.66*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	629.09	59.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*50.92*	
		For Clear Lacquer Finish, Add	*101.83*	
		For Baked Enamel Standard Colors, Add	*152.75*	
		For Anodized Finish, Add	*203.67*	
		For Kynar™ Standard Colors Finish, Add	*280.04*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	728.46	67.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*59.36*	
		For Clear Lacquer Finish, Add	*118.71*	
		For Baked Enamel Standard Colors, Add	*178.07*	
		For Anodized Finish, Add	*237.42*	
		For Kynar™ Standard Colors Finish, Add	*326.45*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	851.57	77.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*69.67*	
		For Clear Lacquer Finish, Add	*139.34*	
		For Baked Enamel Standard Colors, Add	*209.00*	
		For Anodized Finish, Add	*278.67*	
		For Kynar™ Standard Colors Finish, Add	*383.17*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	979.84	82.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.50*	
		For Clear Lacquer Finish, Add	*162.99*	
		For Baked Enamel Standard Colors, Add	*244.49*	
		For Anodized Finish, Add	*325.98*	
		For Kynar™ Standard Colors Finish, Add	*448.23*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,082.87	87.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*90.80*	
		For Clear Lacquer Finish, Add	*181.60*	
		For Baked Enamel Standard Colors, Add	*272.40*	
		For Anodized Finish, Add	*363.20*	
		For Kynar™ Standard Colors Finish, Add	*499.39*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,172.19	92.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.73*	
		For Clear Lacquer Finish, Add	*197.46*	
		For Baked Enamel Standard Colors, Add	*296.20*	
		For Anodized Finish, Add	*394.93*	
		For Kynar™ Standard Colors Finish, Add	*543.03*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,279.50	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*107.96*	
		For Clear Lacquer Finish, Add	*215.93*	
		For Baked Enamel Standard Colors, Add	*323.89*	
		For Anodized Finish, Add	*431.86*	
		For Kynar™ Standard Colors Finish, Add	*593.80*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,371.65	107.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*115.68*	
		For Clear Lacquer Finish, Add	*231.36*	
		For Baked Enamel Standard Colors, Add	*347.04*	
		For Anodized Finish, Add	*462.72*	
		For Kynar™ Standard Colors Finish, Add	*636.24*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,513.58	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*128.37*	
		For Clear Lacquer Finish, Add	*256.75*	
		For Baked Enamel Standard Colors, Add	*385.12*	
		For Anodized Finish, Add	*513.50*	
		For Kynar™ Standard Colors Finish, Add	*706.06*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,605.72	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.09*	
		For Clear Lacquer Finish, Add	*272.18*	
		For Baked Enamel Standard Colors, Add	*408.27*	
		For Anodized Finish, Add	*544.36*	
		For Kynar™ Standard Colors Finish, Add	*748.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,708.76	127.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.39*	
		For Clear Lacquer Finish, Add	*290.79*	
		For Baked Enamel Standard Colors, Add	*436.18*	
		For Anodized Finish, Add	*581.58*	
		For Kynar™ Standard Colors Finish, Add	*799.67*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,812.51	132.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*154.77*	
		For Clear Lacquer Finish, Add	*309.54*	
		For Baked Enamel Standard Colors, Add	*464.31*	
		For Anodized Finish, Add	*619.08*	
		For Kynar™ Standard Colors Finish, Add	*851.24*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,909.72	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.99*	
		For Clear Lacquer Finish, Add	*325.98*	
		For Baked Enamel Standard Colors, Add	*488.97*	
		For Anodized Finish, Add	*651.96*	
		For Kynar™ Standard Colors Finish, Add	*896.45*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,046.59	147.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*175.18*	
		For Clear Lacquer Finish, Add	*350.36*	
		For Baked Enamel Standard Colors, Add	*525.54*	
		For Anodized Finish, Add	*700.72*	
		For Kynar™ Standard Colors Finish, Add	*963.48*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	560.73	52.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*45.58*	
		For Clear Lacquer Finish, Add	*91.16*	
		For Baked Enamel Standard Colors, Add	*136.74*	
		For Anodized Finish, Add	*182.32*	
		For Kynar™ Standard Colors Finish, Add	*250.69*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	687.40	64.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*55.75*	
		For Clear Lacquer Finish, Add	*111.50*	
		For Baked Enamel Standard Colors, Add	*167.25*	
		For Anodized Finish, Add	*223.00*	
		For Kynar™ Standard Colors Finish, Add	*306.62*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	804.74	74.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*65.49*	
		For Clear Lacquer Finish, Add	*130.97*	
		For Baked Enamel Standard Colors, Add	*196.46*	
		For Anodized Finish, Add	*261.94*	
		For Kynar™ Standard Colors Finish, Add	*360.17*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	925.02	82.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*76.01*	
		For Clear Lacquer Finish, Add	*152.03*	
		For Baked Enamel Standard Colors, Add	*228.04*	
		For Anodized Finish, Add	*304.06*	
		For Kynar™ Standard Colors Finish, Add	*418.08*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,071.33	87.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*89.65*	
		For Clear Lacquer Finish, Add	*179.29*	
		For Baked Enamel Standard Colors, Add	*268.94*	
		For Anodized Finish, Add	*358.58*	
		For Kynar™ Standard Colors Finish, Add	*493.05*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,190.22	92.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.54*	
		For Clear Lacquer Finish, Add	*201.07*	
		For Baked Enamel Standard Colors, Add	*301.61*	
		For Anodized Finish, Add	*402.14*	
		For Kynar™ Standard Colors Finish, Add	*552.94*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,289.59	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.97*	
		For Clear Lacquer Finish, Add	*217.95*	
		For Baked Enamel Standard Colors, Add	*326.92*	
		For Anodized Finish, Add	*435.89*	
		For Kynar™ Standard Colors Finish, Add	*599.35*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,444.50	107.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*122.97*	
		For Clear Lacquer Finish, Add	*245.93*	
		For Baked Enamel Standard Colors, Add	*368.90*	
		For Anodized Finish, Add	*491.86*	
		For Kynar™ Standard Colors Finish, Add	*676.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,513.58	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*128.37*	
		For Clear Lacquer Finish, Add	*256.75*	
		For Baked Enamel Standard Colors, Add	*385.12*	
		For Anodized Finish, Add	*513.50*	
		For Kynar™ Standard Colors Finish, Add	*706.06*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,664.86	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.00*	
		For Clear Lacquer Finish, Add	*284.01*	
		For Baked Enamel Standard Colors, Add	*426.01*	
		For Anodized Finish, Add	*568.02*	
		For Kynar™ Standard Colors Finish, Add	*781.02*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,770.73	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*151.09*	
		For Clear Lacquer Finish, Add	*302.18*	
		For Baked Enamel Standard Colors, Add	*453.27*	
		For Anodized Finish, Add	*604.36*	
		For Kynar™ Standard Colors Finish, Add	*831.00*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,885.30	134.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*161.55*	
		For Clear Lacquer Finish, Add	*323.10*	
		For Baked Enamel Standard Colors, Add	*484.65*	
		For Anodized Finish, Add	*646.20*	
		For Kynar™ Standard Colors Finish, Add	*888.52*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,999.87	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*172.01*	
		For Clear Lacquer Finish, Add	*344.01*	
		For Baked Enamel Standard Colors, Add	*516.02*	
		For Anodized Finish, Add	*688.02*	
		For Kynar™ Standard Colors Finish, Add	*946.03*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,095.68	144.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*180.59*	
		For Clear Lacquer Finish, Add	*361.18*	
		For Baked Enamel Standard Colors, Add	*541.76*	
		For Anodized Finish, Add	*722.35*	
		For Kynar™ Standard Colors Finish, Add	*993.23*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,252.74	152.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*194.80*	
		For Clear Lacquer Finish, Add	*389.59*	
		For Baked Enamel Standard Colors, Add	*584.39*	
		For Anodized Finish, Add	*779.18*	
		For Kynar™ Standard Colors Finish, Add	*1,071.38*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	621.88	59.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*50.20*	
		For Clear Lacquer Finish, Add	*100.39*	
		For Baked Enamel Standard Colors, Add	*150.59*	
		For Anodized Finish, Add	*200.78*	
		For Kynar™ Standard Colors Finish, Add	*276.08*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	762.97	72.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*61.81*	
		For Clear Lacquer Finish, Add	*123.61*	
		For Baked Enamel Standard Colors, Add	*185.42*	
		For Anodized Finish, Add	*247.23*	
		For Kynar™ Standard Colors Finish, Add	*339.94*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	893.24	84.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*72.34*	
		For Clear Lacquer Finish, Add	*144.67*	
		For Baked Enamel Standard Colors, Add	*217.01*	
		For Anodized Finish, Add	*289.34*	
		For Kynar™ Standard Colors Finish, Add	*397.85*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,020.80	89.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*84.09*	
		For Clear Lacquer Finish, Add	*168.18*	
		For Baked Enamel Standard Colors, Add	*252.28*	
		For Anodized Finish, Add	*336.37*	
		For Kynar™ Standard Colors Finish, Add	*462.51*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,195.21	94.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.54*	
		For Clear Lacquer Finish, Add	*201.07*	
		For Baked Enamel Standard Colors, Add	*301.61*	
		For Anodized Finish, Add	*402.14*	
		For Kynar™ Standard Colors Finish, Add	*552.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,317.00	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*111.71*	
		For Clear Lacquer Finish, Add	*223.43*	
		For Baked Enamel Standard Colors, Add	*335.14*	
		For Anodized Finish, Add	*446.86*	
		For Kynar™ Standard Colors Finish, Add	*614.43*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,432.96	107.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*121.81*	
		For Clear Lacquer Finish, Add	*243.62*	
		For Baked Enamel Standard Colors, Add	*365.43*	
		For Anodized Finish, Add	*487.24*	
		For Kynar™ Standard Colors Finish, Add	*669.96*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,601.56	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.17*	
		For Clear Lacquer Finish, Add	*274.34*	
		For Baked Enamel Standard Colors, Add	*411.52*	
		For Anodized Finish, Add	*548.69*	
		For Kynar™ Standard Colors Finish, Add	*754.45*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,721.12	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.63*	
		For Clear Lacquer Finish, Add	*295.26*	
		For Baked Enamel Standard Colors, Add	*442.89*	
		For Anodized Finish, Add	*590.52*	
		For Kynar™ Standard Colors Finish, Add	*811.97*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,897.67	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*163.79*	
		For Clear Lacquer Finish, Add	*327.57*	
		For Baked Enamel Standard Colors, Add	*491.36*	
		For Anodized Finish, Add	*655.14*	
		For Kynar™ Standard Colors Finish, Add	*900.82*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,011.51	134.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.17*	
		For Clear Lacquer Finish, Add	*348.34*	
		For Baked Enamel Standard Colors, Add	*522.51*	
		For Anodized Finish, Add	*696.68*	
		For Kynar™ Standard Colors Finish, Add	*957.94*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,141.23	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*186.14*	
		For Clear Lacquer Finish, Add	*372.28*	
		For Baked Enamel Standard Colors, Add	*558.43*	
		For Anodized Finish, Add	*744.57*	
		For Kynar™ Standard Colors Finish, Add	*1,023.78*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,265.89	144.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*197.61*	
		For Clear Lacquer Finish, Add	*395.22*	
		For Baked Enamel Standard Colors, Add	*592.83*	
		For Anodized Finish, Add	*790.44*	
		For Kynar™ Standard Colors Finish, Add	*1,086.85*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,369.63	149.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*206.98*	
		For Clear Lacquer Finish, Add	*413.97*	
		For Baked Enamel Standard Colors, Add	*620.95*	
		For Anodized Finish, Add	*827.94*	
		For Kynar™ Standard Colors Finish, Add	*1,138.41*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,551.94	157.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.72*	
		For Clear Lacquer Finish, Add	*447.43*	
		For Baked Enamel Standard Colors, Add	*671.15*	
		For Anodized Finish, Add	*894.86*	
		For Kynar™ Standard Colors Finish, Add	*1,230.44*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	668.65	64.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*53.87*	
		For Clear Lacquer Finish, Add	*107.75*	
		For Baked Enamel Standard Colors, Add	*161.62*	
		For Anodized Finish, Add	*215.50*	
		For Kynar™ Standard Colors Finish, Add	*296.31*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	824.84	79.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*66.50*	
		For Clear Lacquer Finish, Add	*132.99*	
		For Baked Enamel Standard Colors, Add	*199.49*	
		For Anodized Finish, Add	*265.98*	
		For Kynar™ Standard Colors Finish, Add	*365.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	957.33	89.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*77.75*	
		For Clear Lacquer Finish, Add	*155.49*	
		For Baked Enamel Standard Colors, Add	*233.24*	
		For Anodized Finish, Add	*310.98*	
		For Kynar™ Standard Colors Finish, Add	*427.60*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,104.34	94.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*91.45*	
		For Clear Lacquer Finish, Add	*182.90*	
		For Baked Enamel Standard Colors, Add	*274.34*	
		For Anodized Finish, Add	*365.79*	
		For Kynar™ Standard Colors Finish, Add	*502.96*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,287.37	102.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.25*	
		For Clear Lacquer Finish, Add	*216.50*	
		For Baked Enamel Standard Colors, Add	*324.76*	
		For Anodized Finish, Add	*433.01*	
		For Kynar™ Standard Colors Finish, Add	*595.39*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,423.58	107.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.87*	
		For Clear Lacquer Finish, Add	*241.75*	
		For Baked Enamel Standard Colors, Add	*362.62*	
		For Anodized Finish, Add	*483.49*	
		For Kynar™ Standard Colors Finish, Add	*664.80*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,544.59	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*131.48*	
		For Clear Lacquer Finish, Add	*262.95*	
		For Baked Enamel Standard Colors, Add	*394.43*	
		For Anodized Finish, Add	*525.90*	
		For Kynar™ Standard Colors Finish, Add	*723.11*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,724.72	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.99*	
		For Clear Lacquer Finish, Add	*295.98*	
		For Baked Enamel Standard Colors, Add	*443.97*	
		For Anodized Finish, Add	*591.96*	
		For Kynar™ Standard Colors Finish, Add	*813.95*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,852.95	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.31*	
		For Clear Lacquer Finish, Add	*318.63*	
		For Baked Enamel Standard Colors, Add	*477.94*	
		For Anodized Finish, Add	*637.25*	
		For Kynar™ Standard Colors Finish, Add	*876.22*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,043.91	137.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.91*	
		For Clear Lacquer Finish, Add	*353.82*	
		For Baked Enamel Standard Colors, Add	*530.73*	
		For Anodized Finish, Add	*707.64*	
		For Kynar™ Standard Colors Finish, Add	*973.01*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,164.97	142.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.02*	
		For Clear Lacquer Finish, Add	*376.03*	
		For Baked Enamel Standard Colors, Add	*564.05*	
		For Anodized Finish, Add	*752.07*	
		For Kynar™ Standard Colors Finish, Add	*1,034.09*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,302.62	147.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.78*	
		For Clear Lacquer Finish, Add	*401.56*	
		For Baked Enamel Standard Colors, Add	*602.35*	
		For Anodized Finish, Add	*803.13*	
		For Kynar™ Standard Colors Finish, Add	*1,104.30*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,437.37	152.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.26*	
		For Clear Lacquer Finish, Add	*426.52*	
		For Baked Enamel Standard Colors, Add	*639.78*	
		For Anodized Finish, Add	*853.04*	
		For Kynar™ Standard Colors Finish, Add	*1,172.92*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,551.94	157.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.72*	
		For Clear Lacquer Finish, Add	*447.43*	
		For Baked Enamel Standard Colors, Add	*671.15*	
		For Anodized Finish, Add	*894.86*	
		For Kynar™ Standard Colors Finish, Add	*1,230.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,741.51	162.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.67*	
		For Clear Lacquer Finish, Add	*483.35*	
		For Baked Enamel Standard Colors, Add	*725.02*	
		For Anodized Finish, Add	*966.70*	
		For Kynar™ Standard Colors Finish, Add	*1,329.21*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	768.79	69.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*62.89*	
		For Clear Lacquer Finish, Add	*125.78*	
		For Baked Enamel Standard Colors, Add	*188.67*	
		For Anodized Finish, Add	*251.56*	
		For Kynar™ Standard Colors Finish, Add	*345.89*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	950.22	84.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*78.03*	
		For Clear Lacquer Finish, Add	*156.07*	
		For Baked Enamel Standard Colors, Add	*234.10*	
		For Anodized Finish, Add	*312.14*	
		For Kynar™ Standard Colors Finish, Add	*429.19*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,107.85	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*90.80*	
		For Clear Lacquer Finish, Add	*181.60*	
		For Baked Enamel Standard Colors, Add	*272.40*	
		For Anodized Finish, Add	*363.20*	
		For Kynar™ Standard Colors Finish, Add	*499.39*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,267.85	104.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*105.80*	
		For Clear Lacquer Finish, Add	*211.60*	
		For Baked Enamel Standard Colors, Add	*317.40*	
		For Anodized Finish, Add	*423.20*	
		For Kynar™ Standard Colors Finish, Add	*581.90*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,479.79	109.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*125.99*	
		For Clear Lacquer Finish, Add	*251.99*	
		For Baked Enamel Standard Colors, Add	*377.98*	
		For Anodized Finish, Add	*503.98*	
		For Kynar™ Standard Colors Finish, Add	*692.97*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,628.25	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*139.84*	
		For Clear Lacquer Finish, Add	*279.68*	
		For Baked Enamel Standard Colors, Add	*419.52*	
		For Anodized Finish, Add	*559.36*	
		For Kynar™ Standard Colors Finish, Add	*769.13*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,772.32	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.75*	
		For Clear Lacquer Finish, Add	*305.50*	
		For Baked Enamel Standard Colors, Add	*458.25*	
		For Anodized Finish, Add	*611.00*	
		For Kynar™ Standard Colors Finish, Add	*840.13*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,940.94	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.11*	
		For Clear Lacquer Finish, Add	*336.22*	
		For Baked Enamel Standard Colors, Add	*504.34*	
		For Anodized Finish, Add	*672.45*	
		For Kynar™ Standard Colors Finish, Add	*924.62*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,084.30	137.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*180.95*	
		For Clear Lacquer Finish, Add	*361.90*	
		For Baked Enamel Standard Colors, Add	*542.85*	
		For Anodized Finish, Add	*723.80*	
		For Kynar™ Standard Colors Finish, Add	*995.22*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,304.06	147.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.93*	
		For Clear Lacquer Finish, Add	*401.85*	
		For Baked Enamel Standard Colors, Add	*602.78*	
		For Anodized Finish, Add	*803.70*	
		For Kynar™ Standard Colors Finish, Add	*1,105.09*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,442.37	154.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.26*	
		For Clear Lacquer Finish, Add	*426.52*	
		For Baked Enamel Standard Colors, Add	*639.78*	
		For Anodized Finish, Add	*853.04*	
		For Kynar™ Standard Colors Finish, Add	*1,172.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,587.94	159.89
		For Flange Frame, Add	*226.82*	
		For Clear Lacquer Finish, Add	*453.63*	
		For Baked Enamel Standard Colors, Add	*680.45*	
		For Anodized Finish, Add	*907.27*	
		For Kynar™ Standard Colors Finish, Add	*1,247.49*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,736.41	164.88
		For Flange Frame, Add	*240.66*	
		For Clear Lacquer Finish, Add	*481.33*	
		For Baked Enamel Standard Colors, Add	*721.99*	
		For Anodized Finish, Add	*962.66*	
		For Kynar™ Standard Colors Finish, Add	*1,323.65*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,865.40	169.88
		For Flange Frame, Add	*252.56*	
		For Clear Lacquer Finish, Add	*505.13*	
		For Baked Enamel Standard Colors, Add	*757.69*	
		For Anodized Finish, Add	*1,010.26*	
		For Kynar™ Standard Colors Finish, Add	*1,389.10*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,076.62	174.88
		For Flange Frame, Add	*272.69*	
		For Clear Lacquer Finish, Add	*545.37*	
		For Baked Enamel Standard Colors, Add	*818.06*	
		For Anodized Finish, Add	*1,090.74*	
		For Kynar™ Standard Colors Finish, Add	*1,499.77*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	811.95	74.95
		For Flange Frame, Add	*66.21*	
		For Clear Lacquer Finish, Add	*132.41*	
		For Baked Enamel Standard Colors, Add	*198.62*	
		For Anodized Finish, Add	*264.82*	
		For Kynar™ Standard Colors Finish, Add	*364.13*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,002.05	89.93
		For Flange Frame, Add	*82.22*	
		For Clear Lacquer Finish, Add	*164.43*	
		For Baked Enamel Standard Colors, Add	*246.65*	
		For Anodized Finish, Add	*328.87*	
		For Kynar™ Standard Colors Finish, Add	*452.19*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,167.60	104.93
		For Flange Frame, Add	*95.78*	
		For Clear Lacquer Finish, Add	*191.55*	
		For Baked Enamel Standard Colors, Add	*287.33*	
		For Anodized Finish, Add	*383.10*	
		For Kynar™ Standard Colors Finish, Add	*526.76*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,341.98	112.42
		For Flange Frame, Add	*111.71*	
		For Clear Lacquer Finish, Add	*223.43*	
		For Baked Enamel Standard Colors, Add	*335.14*	
		For Anodized Finish, Add	*446.86*	
		For Kynar™ Standard Colors Finish, Add	*614.43*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,569.06	117.41
		For Flange Frame, Add	*133.42*	
		For Clear Lacquer Finish, Add	*266.84*	
		For Baked Enamel Standard Colors, Add	*400.27*	
		For Anodized Finish, Add	*533.69*	
		For Kynar™ Standard Colors Finish, Add	*733.82*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,725.44	122.41
		For Flange Frame, Add	*148.06*	
		For Clear Lacquer Finish, Add	*296.12*	
		For Baked Enamel Standard Colors, Add	*444.19*	
		For Anodized Finish, Add	*592.25*	
		For Kynar™ Standard Colors Finish, Add	*814.34*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,878.91	129.91
		For Flange Frame, Add	*161.91*	
		For Clear Lacquer Finish, Add	*323.82*	
		For Baked Enamel Standard Colors, Add	*485.73*	
		For Anodized Finish, Add	*647.64*	
		For Kynar™ Standard Colors Finish, Add	*890.50*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,051.90	134.91
		For Flange Frame, Add	*178.21*	
		For Clear Lacquer Finish, Add	*356.42*	
		For Baked Enamel Standard Colors, Add	*534.63*	
		For Anodized Finish, Add	*712.84*	
		For Kynar™ Standard Colors Finish, Add	*980.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,201.75	142.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*191.70*	
		For Clear Lacquer Finish, Add	*383.39*	
		For Baked Enamel Standard Colors, Add	*575.09*	
		For Anodized Finish, Add	*766.78*	
		For Kynar™ Standard Colors Finish, Add	*1,054.32*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,442.37	154.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.26*	
		For Clear Lacquer Finish, Add	*426.52*	
		For Baked Enamel Standard Colors, Add	*639.78*	
		For Anodized Finish, Add	*853.04*	
		For Kynar™ Standard Colors Finish, Add	*1,172.92*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,594.39	162.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*226.96*	
		For Clear Lacquer Finish, Add	*453.92*	
		For Baked Enamel Standard Colors, Add	*680.89*	
		For Anodized Finish, Add	*907.85*	
		For Kynar™ Standard Colors Finish, Add	*1,248.29*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,744.30	167.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.95*	
		For Clear Lacquer Finish, Add	*481.91*	
		For Baked Enamel Standard Colors, Add	*722.86*	
		For Anodized Finish, Add	*963.81*	
		For Kynar™ Standard Colors Finish, Add	*1,325.24*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,896.37	172.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.16*	
		For Clear Lacquer Finish, Add	*510.32*	
		For Baked Enamel Standard Colors, Add	*765.48*	
		For Anodized Finish, Add	*1,020.64*	
		For Kynar™ Standard Colors Finish, Add	*1,403.39*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,039.06	177.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*268.43*	
		For Clear Lacquer Finish, Add	*536.86*	
		For Baked Enamel Standard Colors, Add	*805.29*	
		For Anodized Finish, Add	*1,073.72*	
		For Kynar™ Standard Colors Finish, Add	*1,476.37*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,263.96	182.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*289.92*	
		For Clear Lacquer Finish, Add	*579.84*	
		For Baked Enamel Standard Colors, Add	*869.77*	
		For Anodized Finish, Add	*1,159.69*	
		For Kynar™ Standard Colors Finish, Add	*1,594.57*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	863.78	79.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*70.39*	
		For Clear Lacquer Finish, Add	*140.78*	
		For Baked Enamel Standard Colors, Add	*211.17*	
		For Anodized Finish, Add	*281.56*	
		For Kynar™ Standard Colors Finish, Add	*387.14*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,058.91	94.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*86.91*	
		For Clear Lacquer Finish, Add	*173.81*	
		For Baked Enamel Standard Colors, Add	*260.72*	
		For Anodized Finish, Add	*347.62*	
		For Kynar™ Standard Colors Finish, Add	*477.98*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,228.09	109.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.82*	
		For Clear Lacquer Finish, Add	*201.65*	
		For Baked Enamel Standard Colors, Add	*302.47*	
		For Anodized Finish, Add	*403.30*	
		For Kynar™ Standard Colors Finish, Add	*554.53*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,414.00	117.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*117.92*	
		For Clear Lacquer Finish, Add	*235.83*	
		For Baked Enamel Standard Colors, Add	*353.75*	
		For Anodized Finish, Add	*471.66*	
		For Kynar™ Standard Colors Finish, Add	*648.54*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,654.04	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*140.92*	
		For Clear Lacquer Finish, Add	*281.84*	
		For Baked Enamel Standard Colors, Add	*422.77*	
		For Anodized Finish, Add	*563.69*	
		For Kynar™ Standard Colors Finish, Add	*775.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,816.94	127.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.21*	
		For Clear Lacquer Finish, Add	*312.42*	
		For Baked Enamel Standard Colors, Add	*468.64*	
		For Anodized Finish, Add	*624.85*	
		For Kynar™ Standard Colors Finish, Add	*859.17*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,981.22	134.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.14*	
		For Clear Lacquer Finish, Add	*342.28*	
		For Baked Enamel Standard Colors, Add	*513.42*	
		For Anodized Finish, Add	*684.56*	
		For Kynar™ Standard Colors Finish, Add	*941.28*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,164.31	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.45*	
		For Clear Lacquer Finish, Add	*376.90*	
		For Baked Enamel Standard Colors, Add	*565.35*	
		For Anodized Finish, Add	*753.80*	
		For Kynar™ Standard Colors Finish, Add	*1,036.48*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,324.98	147.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*203.02*	
		For Clear Lacquer Finish, Add	*406.04*	
		For Baked Enamel Standard Colors, Add	*609.05*	
		For Anodized Finish, Add	*812.07*	
		For Kynar™ Standard Colors Finish, Add	*1,116.60*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,580.73	159.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*226.10*	
		For Clear Lacquer Finish, Add	*452.19*	
		For Baked Enamel Standard Colors, Add	*678.29*	
		For Anodized Finish, Add	*904.38*	
		For Kynar™ Standard Colors Finish, Add	*1,243.53*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,739.97	167.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.52*	
		For Clear Lacquer Finish, Add	*481.04*	
		For Baked Enamel Standard Colors, Add	*721.56*	
		For Anodized Finish, Add	*962.08*	
		For Kynar™ Standard Colors Finish, Add	*1,322.86*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,906.41	174.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.67*	
		For Clear Lacquer Finish, Add	*511.33*	
		For Baked Enamel Standard Colors, Add	*767.00*	
		For Anodized Finish, Add	*1,022.66*	
		For Kynar™ Standard Colors Finish, Add	*1,406.16*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,058.47	179.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.87*	
		For Clear Lacquer Finish, Add	*539.75*	
		For Baked Enamel Standard Colors, Add	*809.62*	
		For Anodized Finish, Add	*1,079.49*	
		For Kynar™ Standard Colors Finish, Add	*1,484.30*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,210.55	184.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.08*	
		For Clear Lacquer Finish, Add	*568.16*	
		For Baked Enamel Standard Colors, Add	*852.24*	
		For Anodized Finish, Add	*1,136.32*	
		For Kynar™ Standard Colors Finish, Add	*1,562.45*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,449.88	189.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*307.02*	
		For Clear Lacquer Finish, Add	*614.03*	
		For Baked Enamel Standard Colors, Add	*921.05*	
		For Anodized Finish, Add	*1,228.06*	
		For Kynar™ Standard Colors Finish, Add	*1,688.58*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	906.23	84.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*73.64*	
		For Clear Lacquer Finish, Add	*147.27*	
		For Baked Enamel Standard Colors, Add	*220.91*	
		For Anodized Finish, Add	*294.54*	
		For Kynar™ Standard Colors Finish, Add	*404.99*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,109.29	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*90.94*	
		For Clear Lacquer Finish, Add	*181.89*	
		For Baked Enamel Standard Colors, Add	*272.83*	
		For Anodized Finish, Add	*363.77*	
		For Kynar™ Standard Colors Finish, Add	*500.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,295.77	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.59*	
		For Clear Lacquer Finish, Add	*213.19*	
		For Baked Enamel Standard Colors, Add	*319.78*	
		For Anodized Finish, Add	*426.37*	
		For Kynar™ Standard Colors Finish, Add	*586.26*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,487.45	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.26*	
		For Clear Lacquer Finish, Add	*248.53*	
		For Baked Enamel Standard Colors, Add	*372.79*	
		For Anodized Finish, Add	*497.05*	
		For Kynar™ Standard Colors Finish, Add	*683.45*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,742.66	127.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.78*	
		For Clear Lacquer Finish, Add	*297.57*	
		For Baked Enamel Standard Colors, Add	*446.35*	
		For Anodized Finish, Add	*595.14*	
		For Kynar™ Standard Colors Finish, Add	*818.31*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,914.92	132.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*165.01*	
		For Clear Lacquer Finish, Add	*330.02*	
		For Baked Enamel Standard Colors, Add	*495.03*	
		For Anodized Finish, Add	*660.04*	
		For Kynar™ Standard Colors Finish, Add	*907.56*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,082.81	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*180.30*	
		For Clear Lacquer Finish, Add	*360.60*	
		For Baked Enamel Standard Colors, Add	*540.90*	
		For Anodized Finish, Add	*721.20*	
		For Kynar™ Standard Colors Finish, Add	*991.65*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,280.31	144.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*199.05*	
		For Clear Lacquer Finish, Add	*398.10*	
		For Baked Enamel Standard Colors, Add	*597.15*	
		For Anodized Finish, Add	*796.20*	
		For Kynar™ Standard Colors Finish, Add	*1,094.78*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,448.91	152.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*214.41*	
		For Clear Lacquer Finish, Add	*428.83*	
		For Baked Enamel Standard Colors, Add	*643.24*	
		For Anodized Finish, Add	*857.65*	
		For Kynar™ Standard Colors Finish, Add	*1,179.27*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,719.83	164.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*239.01*	
		For Clear Lacquer Finish, Add	*478.01*	
		For Baked Enamel Standard Colors, Add	*717.02*	
		For Anodized Finish, Add	*956.02*	
		For Kynar™ Standard Colors Finish, Add	*1,314.53*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,884.83	172.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*254.01*	
		For Clear Lacquer Finish, Add	*508.01*	
		For Baked Enamel Standard Colors, Add	*762.02*	
		For Anodized Finish, Add	*1,016.03*	
		For Kynar™ Standard Colors Finish, Add	*1,397.04*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,065.68	179.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*270.59*	
		For Clear Lacquer Finish, Add	*541.19*	
		For Baked Enamel Standard Colors, Add	*811.78*	
		For Anodized Finish, Add	*1,082.38*	
		For Kynar™ Standard Colors Finish, Add	*1,488.27*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,258.15	184.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*288.84*	
		For Clear Lacquer Finish, Add	*577.68*	
		For Baked Enamel Standard Colors, Add	*866.52*	
		For Anodized Finish, Add	*1,155.36*	
		For Kynar™ Standard Colors Finish, Add	*1,588.63*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,431.85	189.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*305.21*	
		For Clear Lacquer Finish, Add	*610.42*	
		For Baked Enamel Standard Colors, Add	*915.64*	
		For Anodized Finish, Add	*1,220.85*	
		For Kynar™ Standard Colors Finish, Add	*1,678.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,689.22	194.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*329.95*	
		For Clear Lacquer Finish, Add	*659.90*	
		For Baked Enamel Standard Colors, Add	*989.85*	
		For Anodized Finish, Add	*1,319.80*	
		For Kynar™ Standard Colors Finish, Add	*1,814.72*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	962.32	92.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*77.75*	
		For Clear Lacquer Finish, Add	*155.49*	
		For Baked Enamel Standard Colors, Add	*233.24*	
		For Anodized Finish, Add	*310.98*	
		For Kynar™ Standard Colors Finish, Add	*427.60*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,168.28	107.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*95.34*	
		For Clear Lacquer Finish, Add	*190.69*	
		For Baked Enamel Standard Colors, Add	*286.03*	
		For Anodized Finish, Add	*381.37*	
		For Kynar™ Standard Colors Finish, Add	*524.39*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,361.96	122.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*111.71*	
		For Clear Lacquer Finish, Add	*223.43*	
		For Baked Enamel Standard Colors, Add	*335.14*	
		For Anodized Finish, Add	*446.86*	
		For Kynar™ Standard Colors Finish, Add	*614.43*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,559.42	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar™ Standard Colors Finish, Add	*714.78*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,831.93	134.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.21*	
		For Clear Lacquer Finish, Add	*312.42*	
		For Baked Enamel Standard Colors, Add	*468.64*	
		For Anodized Finish, Add	*624.85*	
		For Kynar™ Standard Colors Finish, Add	*859.17*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,009.97	139.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*173.02*	
		For Clear Lacquer Finish, Add	*346.03*	
		For Baked Enamel Standard Colors, Add	*519.05*	
		For Anodized Finish, Add	*692.06*	
		For Kynar™ Standard Colors Finish, Add	*951.59*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,180.07	144.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*189.03*	
		For Clear Lacquer Finish, Add	*378.05*	
		For Baked Enamel Standard Colors, Add	*567.08*	
		For Anodized Finish, Add	*756.11*	
		For Kynar™ Standard Colors Finish, Add	*1,039.65*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,388.39	149.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*208.86*	
		For Clear Lacquer Finish, Add	*417.72*	
		For Baked Enamel Standard Colors, Add	*626.58*	
		For Anodized Finish, Add	*835.44*	
		For Kynar™ Standard Colors Finish, Add	*1,148.73*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,565.65	157.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*225.09*	
		For Clear Lacquer Finish, Add	*450.17*	
		For Baked Enamel Standard Colors, Add	*675.26*	
		For Anodized Finish, Add	*900.35*	
		For Kynar™ Standard Colors Finish, Add	*1,237.98*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,851.70	169.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*251.19*	
		For Clear Lacquer Finish, Add	*502.39*	
		For Baked Enamel Standard Colors, Add	*753.58*	
		For Anodized Finish, Add	*1,004.78*	
		For Kynar™ Standard Colors Finish, Add	*1,381.57*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,023.91	177.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.92*	
		For Clear Lacquer Finish, Add	*533.83*	
		For Baked Enamel Standard Colors, Add	*800.75*	
		For Anodized Finish, Add	*1,067.66*	
		For Kynar™ Standard Colors Finish, Add	*1,468.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,220.64	184.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*285.09*	
		For Clear Lacquer Finish, Add	*570.18*	
		For Baked Enamel Standard Colors, Add	*855.27*	
		For Anodized Finish, Add	*1,140.36*	
		For Kynar™ Standard Colors Finish, Add	*1,568.00*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,424.64	189.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*304.49*	
		For Clear Lacquer Finish, Add	*608.98*	
		For Baked Enamel Standard Colors, Add	*913.47*	
		For Anodized Finish, Add	*1,217.96*	
		For Kynar™ Standard Colors Finish, Add	*1,674.70*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,599.02	197.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*320.43*	
		For Clear Lacquer Finish, Add	*640.86*	
		For Baked Enamel Standard Colors, Add	*961.29*	
		For Anodized Finish, Add	*1,281.72*	
		For Kynar™ Standard Colors Finish, Add	*1,762.36*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,871.53	202.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*346.68*	
		For Clear Lacquer Finish, Add	*693.36*	
		For Baked Enamel Standard Colors, Add	*1,040.04*	
		For Anodized Finish, Add	*1,386.72*	
		For Kynar™ Standard Colors Finish, Add	*1,906.75*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,011.21	99.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.14*	
		For Clear Lacquer Finish, Add	*162.27*	
		For Baked Enamel Standard Colors, Add	*243.41*	
		For Anodized Finish, Add	*324.54*	
		For Kynar™ Standard Colors Finish, Add	*446.24*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,224.37	114.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*99.45*	
		For Clear Lacquer Finish, Add	*198.91*	
		For Baked Enamel Standard Colors, Add	*298.36*	
		For Anodized Finish, Add	*397.81*	
		For Kynar™ Standard Colors Finish, Add	*546.99*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,427.44	129.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.76*	
		For Clear Lacquer Finish, Add	*233.52*	
		For Baked Enamel Standard Colors, Add	*350.29*	
		For Anodized Finish, Add	*467.05*	
		For Kynar™ Standard Colors Finish, Add	*642.19*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,635.71	137.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.09*	
		For Clear Lacquer Finish, Add	*272.18*	
		For Baked Enamel Standard Colors, Add	*408.27*	
		For Anodized Finish, Add	*544.36*	
		For Kynar™ Standard Colors Finish, Add	*748.50*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,916.88	142.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*163.21*	
		For Clear Lacquer Finish, Add	*326.42*	
		For Baked Enamel Standard Colors, Add	*489.62*	
		For Anodized Finish, Add	*652.83*	
		For Kynar™ Standard Colors Finish, Add	*897.64*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,124.48	147.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.97*	
		For Clear Lacquer Finish, Add	*365.94*	
		For Baked Enamel Standard Colors, Add	*548.90*	
		For Anodized Finish, Add	*731.87*	
		For Kynar™ Standard Colors Finish, Add	*1,006.32*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,305.39	152.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.06*	
		For Clear Lacquer Finish, Add	*400.12*	
		For Baked Enamel Standard Colors, Add	*600.18*	
		For Anodized Finish, Add	*800.24*	
		For Kynar™ Standard Colors Finish, Add	*1,100.34*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,503.62	157.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*218.88*	
		For Clear Lacquer Finish, Add	*437.77*	
		For Baked Enamel Standard Colors, Add	*656.65*	
		For Anodized Finish, Add	*875.54*	
		For Kynar™ Standard Colors Finish, Add	*1,203.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,687.42	162.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*236.27*	
		For Clear Lacquer Finish, Add	*472.53*	
		For Baked Enamel Standard Colors, Add	*708.80*	
		For Anodized Finish, Add	*945.06*	
		For Kynar™ Standard Colors Finish, Add	*1,299.46*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,994.40	174.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*264.46*	
		For Clear Lacquer Finish, Add	*528.93*	
		For Baked Enamel Standard Colors, Add	*793.39*	
		For Anodized Finish, Add	*1,057.86*	
		For Kynar™ Standard Colors Finish, Add	*1,454.55*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,396.36	182.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*203.16*	
		For Clear Lacquer Finish, Add	*406.32*	
		For Baked Enamel Standard Colors, Add	*609.49*	
		For Anodized Finish, Add	*812.65*	
		For Kynar™ Standard Colors Finish, Add	*1,117.39*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,373.43	189.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*299.37*	
		For Clear Lacquer Finish, Add	*598.74*	
		For Baked Enamel Standard Colors, Add	*898.11*	
		For Anodized Finish, Add	*1,197.48*	
		For Kynar™ Standard Colors Finish, Add	*1,646.54*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,584.65	194.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*319.49*	
		For Clear Lacquer Finish, Add	*638.98*	
		For Baked Enamel Standard Colors, Add	*958.48*	
		For Anodized Finish, Add	*1,277.97*	
		For Kynar™ Standard Colors Finish, Add	*1,757.21*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,767.68	202.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*336.30*	
		For Clear Lacquer Finish, Add	*672.59*	
		For Baked Enamel Standard Colors, Add	*1,008.89*	
		For Anodized Finish, Add	*1,345.18*	
		For Kynar™ Standard Colors Finish, Add	*1,849.63*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,061.76	209.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*364.21*	
		For Clear Lacquer Finish, Add	*728.41*	
		For Baked Enamel Standard Colors, Add	*1,092.62*	
		For Anodized Finish, Add	*1,456.82*	
		For Kynar™ Standard Colors Finish, Add	*2,003.13*	

08 91 19 00-0227 Gable Louver Vents *(08 91 19)*

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	156.27	8.81
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	171.30	10.11
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	197.46	11.42
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	216.28	12.15
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	246.20	12.86
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	276.14	15.42
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	321.06	19.27
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	358.49	22.49
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	410.89	27.00
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	515.69	35.99

08 91 19 00-0240 Square Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	143.07	8.11
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	177.35	10.29
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	221.83	12.14
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	283.62	16.07
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	365.98	23.14
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	463.23	31.47
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	575.59	41.13

08 91 19 00-0248 Round Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	143.07	8.11
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	177.35	10.29

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	221.83	12.14
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	283.62	16.07
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	365.98	23.14
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	463.30	31.49
08 91 19 00-0255		Octagonal Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	143.07	8.11
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	156.27	8.81
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	171.30	10.11
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	177.35	10.29
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	197.46	11.42
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	216.28	12.15
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	221.83	12.14
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	246.20	12.86
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	276.14	15.42
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	283.62	16.07
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	321.06	19.27
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	358.49	22.49
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	365.98	23.14
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	410.89	27.00
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	455.81	30.85
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	463.30	31.49
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	515.69	35.99
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	575.59	41.13
08 91 19 00-0274		Round Top Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	143.07	8.11
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	156.27	8.81
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	171.30	10.11
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	177.35	10.29
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	197.46	11.42
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	216.28	12.15
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	221.83	12.14
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	246.20	12.86
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	276.14	15.42
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	283.62	16.07
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	321.06	19.27
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	358.49	22.49
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	365.98	23.14
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	410.89	27.00
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	455.81	30.85
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	463.30	31.49
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	515.69	35.99
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	575.59	41.13
08 91 19 00-0293		Triangle Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	293.54	10.11
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	332.95	12.14
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	357.33	12.86
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	409.49	15.42
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	455.87	16.07
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	376.62	19.27
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	441.83	22.49
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	499.34	23.14
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	566.47	27.00
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	455.81	30.85
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	524.42	31.49
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	604.59	35.99
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	686.72	41.13
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	771.81	47.27
08 91 19 00-0308		Vinyl Gable Louver Vents *(08 91 19 00-0227)*		
		Note: Includes screen.		
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	50.03	8.11
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	59.83	8.81
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	81.27	11.42
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	109.56	12.86
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	78.19	10.29
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	90.52	12.14
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	126.97	16.07
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	185.35	23.14
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	78.19	10.29
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	88.38	11.42
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	112.84	12.86

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	160.87	19.27
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	372.93	30.85
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	76.64	10.11
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	106.05	12.86
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	111.20	15.42
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	245.03	19.27
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	245.03	19.27
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	245.03	19.27
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	245.03	19.27
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	245.03	19.27
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	279.77	30.85
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	279.77	30.85
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	279.77	30.85
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	279.77	30.85

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	5.97	2.30
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	11.01	4.49
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	17.10	5.99
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	17.58	5.99

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	5.02	2.19
		For Colors, Add	*0.07*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	5.04	2.19
		For Colors, Add	*0.07*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001 Foundation Vents *(08 95 16)*

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.42	0.17
08 95 16 00-0003	SI	Aluminum Foundation Vent	0.61	0.17
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	0.80	0.17
08 95 16 00-0005	SI	Plastic Foundation Vent	0.34	0.17

END OF SECTION 08

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance Of Finishes *(09)*

09 01 20 Maintenance Of Plaster And Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Drywall To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	16.76	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	13.50	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	12.12	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	10.66	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	9.54	

09 01 20 91-0007 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0008 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	16.40	
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	13.14	
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	10.71	
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	8.27	
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	6.65	
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	5.02	

09 01 20 91-0015 Cut And Patch Hole In Plaster To Match Existing *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	15.37	
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	13.56	
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	12.48	
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	11.56	
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	10.78	
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	9.90	

09 01 20 91-0022 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	29.31	
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	21.18	
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	15.49	
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	12.25	

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	6.63	
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	8.26	
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Tile To Match Existing Note: Per location.	43.49	

09 01 60 Maintenance Of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	269.03	
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	4.05	
09 01 60 91-0004	SF	Repair Existing Terrazzo	19.46	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	4.26	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	16.57	
09 01 60 91-0008	CSF	Wax And Polish Tile	36.58	
		For Additional Coat, Add	*30.35*	
09 01 60 91-0009	CSF	Wax And Polish Wood	21.13	
		For Additional Coat, Add	*18.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0010	MSF	Vacuum Floors	19.23	
09 01 60 91-0011		Prepare Existing Concrete Floor Prior To Installation Of Carpet *(09 01 60 91)*		
09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Carpet	12.16	
09 01 60 91-0013	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet	6.31	
09 01 60 91-0014		Masonry/Tile/Stone/Terrazzo Floor Sealants *(09 01 60 91)*		
09 01 60 91-0015	SF	Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.12	
09 01 60 91-0016	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.23	
09 01 60 91-0017	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	31.78	
09 01 80		Maintenance Of Acoustic Treatment *(09 01)*		
09 01 80 00-0001		Removal Of Acoustical Ceiling Treatment *(09 01 80)* See CSI section 09 29 00 00-0067 for installation of ceiling acoustical texturing.		
09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.02	
09 05		Common Work Results For Finishes *(09)*		
09 05 61		Common Work Results for Flooring Preparation *(09 05)*		
09 05 61 13		**Moisture Vapor Emission Control** *(09 05 61)*		
09 05 61 13-0001		Moisture Vapor Reduction (Koester VAP) *(09 05 61 13)*		
09 05 61 13-0002	EA	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) Note: Clear	1,991.51	
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) Note: Clear	10.54	
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) Note: Clear	7.03	
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) Note: Clear	5.86	
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) Note: Clear	4.68	
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.12	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.12	
09 05 71		Acoustic Underlayment *(09 05)*		
09 05 71 00-0001		Tile And Stone Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	2.89	
		For Chemical Resistant Epoxy Grout, Add	*0.38*	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	2.17	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.37	
09 05 71 00-0006	SF	0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.72	
09 20		Plaster And Gypsum Board *(09)*		
09 22		Supports For Plaster And Gypsum Board *(09 20)* Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 22 13		**Metal Furring** *(09 22)*		
09 22 13 00-0001		Hat Furring Channel *(09 22 13)* Note: Includes clips where required.		
09 22 13 00-0002		Installed On Walls, Hat Furring Channel *(09 22 13 00-0001)*		
09 22 13 00-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.31	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.38*	
		For 12" On Center, Add	*0.52*	
		For 22 Gauge, Add	*0.47*	
		For 20 Gauge, Add	*0.76*	
09 22 13 00-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.51	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.42*	
		For 12" On Center, Add	*0.56*	
		For 22 Gauge, Add	*0.57*	
		For 20 Gauge, Add	*0.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0005		Installed On Columns And Beams, Hat Furring Channel *(09 22 13 00-0001)*		
09 22 13 00-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	4.82	2.16
		For Columns And Beams >10' High, Add	*0.86*	
		For 24" On Center, Deduct	*-0.53*	
		For 12" On Center, Add	*0.75*	
		For 22 Gauge, Add	*0.58*	
		For 20 Gauge, Add	*0.98*	
09 22 13 00-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	5.02	2.16
		For Columns And Beams >10' High, Add	*0.86*	
		For 24" On Center, Deduct	*-0.57*	
		For 12" On Center, Add	*0.79*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.12*	
09 22 13 00-0008		Installed On Ceilings, Hat Furring Channel *(09 22 13 00-0001)*		
09 22 13 00-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.30	1.73
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.69*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.08*	
09 22 13 00-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.50	1.73
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.56*	
		For 12" On Center, Add	*0.73*	
		For 22 Gauge, Add	*0.78*	
		For 20 Gauge, Add	*1.21*	
09 22 13 00-0011		Z Furring Channel *(09 22 13)*		
09 22 13 00-0012		Installed On Walls, Z Furring Channel *(09 22 13 00-0011)*		
09 22 13 00-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.97	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.31*	
		For 12" On Center, Add	*0.45*	
		For 22 Gauge, Add	*0.30*	
		For 20 Gauge, Add	*0.53*	
09 22 13 00-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.01	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.32*	
		For 12" On Center, Add	*0.46*	
		For 22 Gauge, Add	*0.32*	
		For 20 Gauge, Add	*0.56*	
09 22 13 00-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.04	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.33*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.33*	
		For 20 Gauge, Add	*0.58*	
09 22 13 00-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.06	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.33*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.34*	
		For 20 Gauge, Add	*0.59*	
09 22 13 00-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.08	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.34*	
		For 12" On Center, Add	*0.48*	
		For 22 Gauge, Add	*0.35*	
		For 20 Gauge, Add	*0.60*	
09 22 13 00-0018		Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13)*		
		Note: Includes clips where required.		
09 22 13 00-0019		Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 00-0018)*		
09 22 13 00-0020	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	3.17	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.35*	
		For 12" On Center, Add	*0.49*	
		For 20 Gauge, Add	*0.66*	
09 22 13 00-0021		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 00-0018)*		
09 22 13 00-0022	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	3.82	1.73
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.42*	
		For 12" On Center, Add	*0.59*	
		For 20 Gauge, Add	*0.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0023		Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13)* Note: Includes clips where required.		
09 22 13 00-0024		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 00-0023)*		
09 22 13 00-0025	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	3.30	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.38*	
		For 12" On Center, Add	*0.52*	
		For 20 Gauge, Add	*0.75*	
09 22 13 00-0026		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 00-0023)*		
09 22 13 00-0027	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	3.95	1.73
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.45*	
		For 12" On Center, Add	*0.62*	
		For 20 Gauge, Add	*0.85*	
09 22 16		**Non-Structural Metal Framing** *(09 22)*		
09 22 16 13		**Non-Structural Metal Stud Framing** *(09 22 16)*		
09 22 16 13-0001		25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners *(09 22 16 13)* Note: Includes all necessary framing studs, bridging, a metal stiffener at half height and fasteners shot every 4' to attach to floors, walls, ceilings. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.03	0.58
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.41*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.37*	
		For Soffit, Columns Or Beams >10' High, Add	*1.81*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.33*	
		For 24" On Center, Deduct	*-0.33*	
		For Up To 100, Add	*0.70*	
		For >100 To 300, Add	*0.35*	
		For >1,000, Deduct	*-0.16*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.15	0.61
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.44*	
		For Soffit, Columns Or Beams >10' High, Add	*1.90*	
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.60*	
		For Curved Wall, Add	*0.46*	
		For 12" On Center, Add	*0.35*	
		For 24" On Center, Deduct	*-0.35*	
		For Up To 100, Add	*0.74*	
		For >100 To 300, Add	*0.37*	
		For >1,000, Deduct	*-0.17*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.34	0.64
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.47*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.52*	
		For Soffit, Columns Or Beams >10' High, Add	*2.01*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.39*	
		For 24" On Center, Deduct	*-0.39*	
		For Up To 100, Add	*0.79*	
		For >100 To 300, Add	*0.40*	
		For >1,000, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.48	0.67
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.50*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.59*	
		For Soffit, Columns Or Beams >10' High, Add	*2.10*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.67*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.41*	
		For 24" On Center, Deduct	*-0.41*	
		For Up To 100, Add	*0.83*	
		For >100 To 300, Add	*0.42*	
		For >1,000, Deduct	*-0.20*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.75	0.70
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.55*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.69*	
		For Soffit, Columns Or Beams >10' High, Add	*2.22*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.72*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*0.46*	
		For 24" On Center, Deduct	*-0.46*	
		For Up To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
		For >1,000, Deduct	*-0.24*	

09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners *(09 22 16 13)*

Note: Includes all necessary framing studs, bridging, a metal stiffener at half height and fasteners shot every 4' to attach to floors, walls, ceilings. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.24	0.59
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.45*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.42*	
		For Soffit, Columns Or Beams >10' High, Add	*1.86*	
		For Horizontal Installation Up To 10' High, Add	*0.45*	
		For Horizontal Installation >10' High, Add	*0.60*	
		For Curved Wall, Add	*0.45*	
		For 12" On Center, Add	*0.37*	
		For 24" On Center, Deduct	*-0.37*	
		For Up To 100, Add	*0.75*	
		For >100 To 300, Add	*0.37*	
		For >1,000, Deduct	*-0.19*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.45	0.63
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.49*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.50*	
		For Soffit, Columns Or Beams >10' High, Add	*1.97*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.41*	
		For 24" On Center, Deduct	*-0.41*	
		For Up To 100, Add	*0.80*	
		For >100 To 300, Add	*0.40*	
		For >1,000, Deduct	*-0.21*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.69	0.65
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.54*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.59*	
		For Soffit, Columns Or Beams >10' High, Add	*2.08*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.68*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.46*	
		For 24" On Center, Deduct	*-0.46*	
		For Up To 100, Add	*0.87*	
		For >100 To 300, Add	*0.43*	
		For >1,000, Deduct	*-0.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.86	0.69
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.57*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.67*	
		For Soffit, Columns Or Beams >10' High, Add	*2.19*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.72*	
		For Curved Wall, Add	*0.52*	
		For 12" On Center, Add	*0.49*	
		For 24" On Center, Deduct	*-0.49*	
		For Up To 100, Add	*0.92*	
		For >100 To 300, Add	*0.46*	
		For >1,000, Deduct	*-0.26*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.83	0.72
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.83*	
		For Soffit, Columns Or Beams >10' High, Add	*2.37*	
		For Horizontal Installation Up To 10' High, Add	*0.65*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Curved Wall, Add	*0.54*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	
		For Up To 100, Add	*1.13*	
		For >100 To 300, Add	*0.56*	
		For >1,000, Deduct	*-0.39*	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners *(09 22 16 13)*

Note: Includes all necessary framing studs, bridging, a metal stiffener at half height and fasteners shot every 4' to attach to floors, walls, ceilings. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.25	0.64
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.61*	
		For Soffit, Columns Or Beams >10' High, Add	*2.10*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.57*	
		For 24" On Center, Deduct	*-0.57*	
		For Up To 100, Add	*0.97*	
		For >100 To 300, Add	*0.49*	
		For >1,000, Deduct	*-0.33*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.57	0.67
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.71*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.71*	
		For Soffit, Columns Or Beams >10' High, Add	*2.22*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Curved Wall, Add	*0.51*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.05*	
		For >100 To 300, Add	*0.53*	
		For >1,000, Deduct	*-0.37*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.83	0.70
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.80*	
		For Soffit, Columns Or Beams >10' High, Add	*2.33*	
		For Horizontal Installation Up To 10' High, Add	*0.65*	
		For Horizontal Installation >10' High, Add	*0.83*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	
		For Up To 100, Add	*1.12*	
		For >100 To 300, Add	*0.56*	
		For >1,000, Deduct	*-0.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	4.88	0.74
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.98*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.98*	
		For Soffit, Columns Or Beams >10' High, Add	*2.53*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*0.95*	
		For Curved Wall, Add	*0.56*	
		For 12" On Center, Add	*0.88*	
		For 24" On Center, Deduct	*-0.88*	
		For Up To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
		For >1,000, Deduct	*-0.55*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	5.30	0.78
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.06*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.09*	
		For Soffit, Columns Or Beams >10' High, Add	*2.68*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.59*	
		For 12" On Center, Add	*0.96*	
		For 24" On Center, Deduct	*-0.96*	
		For Up To 100, Add	*1.45*	
		For >100 To 300, Add	*0.73*	
		For >1,000, Deduct	*-0.60*	

09 22 16 13-0019 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners *(09 22 16 13)*

Note: Includes all necessary framing studs, bridging, a metal stiffener at half height and fasteners shot every 4' to attach to floors, walls, ceilings. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.44	0.65
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.69*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.66*	
		For Soffit, Columns Or Beams >10' High, Add	*2.16*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.61*	
		For 24" On Center, Deduct	*-0.61*	
		For Up To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	
		For >1,000, Deduct	*-0.35*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	4.00	0.69
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.80*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.78*	
		For Soffit, Columns Or Beams >10' High, Add	*2.30*	
		For Horizontal Installation Up To 10' High, Add	*0.66*	
		For Horizontal Installation >10' High, Add	*0.83*	
		For Curved Wall, Add	*0.52*	
		For 12" On Center, Add	*0.71*	
		For 24" On Center, Deduct	*-0.71*	
		For Up To 100, Add	*1.15*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.43*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	4.22	0.72
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.84*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.87*	
		For Soffit, Columns Or Beams >10' High, Add	*2.41*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.54*	
		For 12" On Center, Add	*0.75*	
		For 24" On Center, Deduct	*-0.75*	
		For Up To 100, Add	*1.21*	
		For >100 To 300, Add	*0.60*	
		For >1,000, Deduct	*-0.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	5.25	0.76
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.05*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.05*	
		For Soffit, Columns Or Beams >10' High, Add	*2.63*	
		For Horizontal Installation Up To 10' High, Add	*0.81*	
		For Horizontal Installation >10' High, Add	*1.00*	
		For Curved Wall, Add	*0.57*	
		For 12" On Center, Add	*0.95*	
		For 24" On Center, Deduct	*-0.95*	
		For Up To 100, Add	*1.43*	
		For >100 To 300, Add	*0.72*	
		For >1,000, Deduct	*-0.60*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	5.75	0.80
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.15*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.18*	
		For Soffit, Columns Or Beams >10' High, Add	*2.78*	
		For Horizontal Installation Up To 10' High, Add	*0.88*	
		For Horizontal Installation >10' High, Add	*1.08*	
		For Curved Wall, Add	*0.60*	
		For 12" On Center, Add	*1.05*	
		For 24" On Center, Deduct	*-1.05*	
		For Up To 100, Add	*1.55*	
		For >100 To 300, Add	*0.78*	
		For >1,000, Deduct	*-0.66*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.04
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	1.24
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	1.56
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	1.89
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	2.21
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	2.63
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	1.29
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	1.56
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	2.04
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	2.51
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	3.00
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	3.57
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	1.69
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	2.08
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	2.77
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	3.46
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	4.22
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	4.95
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	1.96
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	2.44
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	3.30
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	4.16
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	5.11
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	6.01

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.07	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.44	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.22*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.82	0.51
		For Walls >10' High, Add	*0.13*	
		For Up To 100, Add	*0.51*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.39	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.81	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.24	0.72
		For Ceilings >10' High, Add	*0.22*	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.70	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.17	0.80
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.65	0.93
		For Columns And Beams >10' High, Add	*0.28*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.19*	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.43	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.66	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.22*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	1.75	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.03	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.06	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.39	0.80
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	

09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.43	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.66	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.22*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.75	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.03	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.06	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0024		SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.39	0.80
			For Columns And Beams >10' High, Add	*0.24*	
			For Up To 100, Add	*0.81*	
			For >100 To 500, Add	*0.41*	
			For >5,000, Deduct	*-0.16*	

09 22 36 23 Metal Lath *(09 22 36)*

09 22 36 23-0001 Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0002		SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.72	0.53
			For Walls >10' High, Add	*0.15*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.60*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
09 22 36 23-0003		SF	2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.79	0.53
			For Walls >10' High, Add	*0.15*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.60*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
09 22 36 23-0004		SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.86	0.53
			For Walls >10' High, Add	*0.15*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.60*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
09 22 36 23-0005		SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.12	0.57
			For Walls >10' High, Add	*0.16*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 23-0006		SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.89	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0007		SF	2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.96	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0008		SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.03	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0009		SF	3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.21	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0010		SF	1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.51	0.86
			For Columns And Beams >10' High, Add	*0.29*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.96*	
			For >100 To 500, Add	*0.48*	
			For >5,000, Deduct	*-0.19*	
09 22 36 23-0011		SF	2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.59	0.86
			For Columns And Beams >10' High, Add	*0.29*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.96*	
			For >100 To 500, Add	*0.48*	
			For >5,000, Deduct	*-0.19*	
09 22 36 23-0012		SF	2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.66	0.86
			For Columns And Beams >10' High, Add	*0.29*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.96*	
			For >100 To 500, Add	*0.48*	
			For >5,000, Deduct	*-0.19*	
09 22 36 23-0013		SF	3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.31	1.09
			For Columns And Beams >10' High, Add	*0.36*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*1.20*	
			For >100 To 500, Add	*0.60*	
			For >5,000, Deduct	*-0.24*	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0015		SF	1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.80	0.57
			For Walls >10' High, Add	*0.16*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 23-0016		SF	2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.87	0.57
			For Walls >10' High, Add	*0.16*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 23-0017		SF	2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.94	0.57
			For Walls >10' High, Add	*0.16*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 23-0018		SF	3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.12	0.57
			For Walls >10' High, Add	*0.16*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 23-0019		SF	1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.98	1.09
			For Columns And Beams >10' High, Add	*0.36*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*1.20*	
			For >100 To 500, Add	*0.60*	
			For >5,000, Deduct	*-0.24*	
09 22 36 23-0020		SF	2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.06	1.09
			For Columns And Beams >10' High, Add	*0.36*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*1.20*	
			For >100 To 500, Add	*0.60*	
			For >5,000, Deduct	*-0.24*	
09 22 36 23-0021		SF	2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.13	1.09
			For Columns And Beams >10' High, Add	*0.36*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*1.20*	
			For >100 To 500, Add	*0.60*	
			For >5,000, Deduct	*-0.24*	
09 22 36 23-0022		SF	3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.65	1.24
			For Columns And Beams >10' High, Add	*0.41*	
			For Paper Backed Lath, Add	*0.06*	
			For Up To 100, Add	*1.37*	
			For >100 To 500, Add	*0.68*	
			For >5,000, Deduct	*-0.27*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024		SF	2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.09	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0025		SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.19	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0026		SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.26	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 23-0027		SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.37	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002		SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.25	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	
09 22 36 33-0003		SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.39	0.61
			For Ceilings >10' High, Add	*0.21*	
			For Up To 100, Add	*0.69*	
			For >100 To 500, Add	*0.34*	
			For >5,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.16	0.57
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.30	0.57
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	3.48	0.86
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	3.49	0.86
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	3.54	0.86
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	3.37	0.86
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	3.34	0.86

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	3.57	0.86
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	3.57	0.86
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	3.57	0.86
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	4.06	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	3.98	0.86

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.09	
		For Walls >10' High, Add	*0.09*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Columns Or Beams Up To 10' High, Add	*0.28*	
		For Columns Or Beams >10' High, Add	*0.41*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.18*	
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.79	
		For Walls >10' High, Add	*0.07*	
		For Horizontal Installation Up To 10' High, Add	*0.10*	
		For Horizontal Installation >10' High, Add	*0.20*	
		For Columns Or Beams Up To 10' High, Add	*0.20*	
		For Columns Or Beams >10' High, Add	*0.30*	
		For Up To 100, Add	*0.33*	
		For >100 To 500, Add	*0.16*	
		For >5,000, Deduct	*-0.13*	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	5.31	3.00
		For Walls >10' High, Add	*0.50*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.49*	
		For Columns Or Beams Up To 10' High, Add	*1.54*	
		For Columns Or Beams >10' High, Add	*2.28*	
		For Up To 100, Add	*2.48*	
		For >100 To 500, Add	*1.24*	
		For >5,000, Deduct	*-0.99*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	5.47	2.84
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.70*	
		For Horizontal Installation >10' High, Add	*1.40*	
		For Columns Or Beams Up To 10' High, Add	*1.44*	
		For Columns Or Beams >10' High, Add	*2.14*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.16*	
		For >5,000, Deduct	*-0.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	5.58	2.84
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.70*	
		For Horizontal Installation >10' High, Add	*1.40*	
		For Columns Or Beams Up To 10' High, Add	*1.44*	
		For Columns Or Beams >10' High, Add	*2.14*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.16*	
		For >5,000, Deduct	*-0.93*	

09 23 13 00-0021 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	6.43	3.65
		For Walls >10' High, Add	*0.59*	
		For Horizontal Installation Up To 10' High, Add	*0.89*	
		For Horizontal Installation >10' High, Add	*1.78*	
		For Columns Or Beams Up To 10' High, Add	*1.84*	
		For Columns Or Beams >10' High, Add	*2.72*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*1.48*	
		For >5,000, Deduct	*-1.18*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	6.47	3.33
		For Walls >10' High, Add	*0.55*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.65*	
		For Columns Or Beams Up To 10' High, Add	*1.70*	
		For Columns Or Beams >10' High, Add	*2.53*	
		For Up To 100, Add	*2.75*	
		For >100 To 500, Add	*1.37*	
		For >5,000, Deduct	*-1.10*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	6.06	3.33
		For Walls >10' High, Add	*0.55*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.64*	
		For Columns Or Beams Up To 10' High, Add	*1.69*	
		For Columns Or Beams >10' High, Add	*2.51*	
		For Up To 100, Add	*2.73*	
		For >100 To 500, Add	*1.37*	
		For >5,000, Deduct	*-1.09*	

09 23 13 00-0025 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 23 13)*

Note: Used for areas with higher than normal moisture.

09 23 13 00-0026	SF	1 Coat Keene's Cement Plaster On Walls	4.22	2.03
		For Walls >10' High, Add	*0.33*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.98*	
		For Columns Or Beams Up To 10' High, Add	*1.01*	
		For Columns Or Beams >10' High, Add	*1.50*	
		For Up To 100, Add	*1.63*	
		For >100 To 500, Add	*0.81*	
		For >5,000, Deduct	*-0.65*	
09 23 13 00-0027	SF	2 Coat Keene's Cement Plaster On Walls	6.37	3.17
		For Walls >10' High, Add	*0.52*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Columns Or Beams Up To 10' High, Add	*1.60*	
		For Columns Or Beams >10' High, Add	*2.37*	
		For Up To 100, Add	*2.58*	
		For >100 To 500, Add	*1.29*	
		For >5,000, Deduct	*-1.03*	
09 23 13 00-0028	SF	3 Coat Keene's Cement Plaster On Walls	7.21	3.57
		For Walls >10' High, Add	*0.58*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.75*	
		For Columns Or Beams Up To 10' High, Add	*1.80*	
		For Columns Or Beams >10' High, Add	*2.68*	
		For Up To 100, Add	*2.91*	
		For >100 To 500, Add	*1.46*	
		For >5,000, Deduct	*-1.16*	

09 23 13 00-0029 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0030	SF	1 Coat, Brush/Roller Plaster Bonding Agent	0.57	
		For Walls >10' High, Add	*0.05*	
		For Columns Or Beams Up To 10' High, Add	*0.15*	
		For Columns Or Beams >10' High, Add	*0.22*	
		For Ceiling Application Up To 10' High, Add	*0.06*	
		For Ceiling Application >10' High, Add	*0.11*	

09 24 Cement Plastering *(09 20)*

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0001		**Stucco** *(09 24 23)*		
		Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.		
09 24 23 00-0002	SF	Three Coat Troweled Stucco, Scratch/Brown/Finish	7.89	2.52
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.69*	
		For Horizontal Installation Up To 10' High, Add	*1.03*	
		For Horizontal Installation >10' High, Add	*2.06*	
		For Columns Or Beams Up To 10' High, Add	*2.13*	
		For Columns Or Beams >10' High, Add	*3.16*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.44*	
		For Up To 100, Add	*3.44*	
		For >100 To 500, Add	*1.72*	
		For >5,000, Deduct	*-1.38*	
09 24 23 00-0003	SF	Two Coat Troweled Stucco, Scratch/Brown	3.41	1.21
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.25*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Columns Or Beams Up To 10' High, Add	*0.78*	
		For Columns Or Beams >10' High, Add	*1.16*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.50*	
09 24 23 00-0004	SF	Two Coat Troweled Stucco, Scratch/Finish	5.21	1.21
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.45*	
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*1.34*	
		For Columns Or Beams Up To 10' High, Add	*1.39*	
		For Columns Or Beams >10' High, Add	*2.06*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.23*	
		For Up To 100, Add	*2.24*	
		For >100 To 500, Add	*1.12*	
		For >5,000, Deduct	*-0.89*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	3.38	0.81
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.33*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.98*	
		For Columns Or Beams Up To 10' High, Add	*1.01*	
		For Columns Or Beams >10' High, Add	*1.50*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.23*	
		For Up To 100, Add	*1.63*	
		For >100 To 500, Add	*0.81*	
		For >5,000, Deduct	*-0.65*	
09 24 33		**Cement Parging** *(09 24)*		
09 24 33 00-0001		Cement Parging *(09 24 33)*		
09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	3.01	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	3.85	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	4.83	

09 28 Backing Boards And Underlayments *(09 20)*

09 28 13		**Cementitious Backing Boards** *(09 28)*		
09 28 13 00-0001		Cementitious Backer Units *(09 28 13)*		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	3.39	0.58
		For Up To 50, Add	*2.58*	
		For >50 To 250, Add	*0.46*	
		For >1,000, Deduct	*-0.23*	
		For Installation On Wall, Add	*0.46*	
		For Installation On Ceiling, Add	*1.16*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	3.90	0.69
		For Up To 50, Add	*3.06*	
		For >50 To 250, Add	*0.56*	
		For >1,000, Deduct	*-0.28*	
		For Installation On Wall, Add	*0.56*	
		For Installation On Ceiling, Add	*1.39*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	4.82	0.81
		For Up To 50, Add	*3.64*	
		For >50 To 250, Add	*0.65*	
		For >1,000, Deduct	*-0.32*	
		For Installation On Wall, Add	*0.65*	
		For Installation On Ceiling, Add	*1.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	2.46	0.64
		For Up To 50, Add	*1.87*	
		For >50 To 250, Add	*0.33*	
		For >1,000, Deduct	*-0.17*	
		For Installation On Wall, Add	*0.33*	
		For Installation On Ceiling, Add	*0.84*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	3.06	0.74
		For Up To 50, Add	*2.15*	
		For >50 To 250, Add	*0.37*	
		For >1,000, Deduct	*-0.19*	
		For Installation On Wall, Add	*0.37*	
		For Installation On Ceiling, Add	*0.93*	

09 29 Gypsum Board *(09 20)*

09 29 00 00-0001 Standard Gypsum Board Application *(09 29)*

Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 01 20 91-0001 for small repairs, 09 29 00 00-0054 for finishing gypsum board, 09 29 00 00-0072 for casing and corner bead, 09 91 43 00-0011 for small repairs.

09 29 00 00-0002 Standard Gypsum Board Application *(09 29 00 00-0001)*

09 29 00 00-0003	SF	1/4" Gypsum Board	1.05	0.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.37*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.25*	
		For Horizontal Installation >10' High, Add	*0.37*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.36*	
		For >128 To 320, Add	*0.22*	
		For >1,536, Deduct	*-0.08*	
09 29 00 00-0004	SF	3/8" Gypsum Board	1.14	0.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.42*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.42*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.39*	
		For >128 To 320, Add	*0.24*	
		For >1,536, Deduct	*-0.09*	
09 29 00 00-0005	SF	1/2" Gypsum Board	1.27	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.48*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.45*	
		For >128 To 320, Add	*0.27*	
		For >1,536, Deduct	*-0.09*	
09 29 00 00-0006	SF	5/8" Gypsum Board	1.49	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.52*	
		For >128 To 320, Add	*0.32*	
		For >1,536, Deduct	*-0.11*	
09 29 00 00-0007	SF	1/4" Gypsum Board, Two Layers	1.95	0.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.67*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.46*	
		For Horizontal Installation >10' High, Add	*0.67*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.66*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0008	SF	3/8" Gypsum Board, Two Layers	2.11	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.75*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.14*	
		For Horizontal Installation Up To 10' High, Add	*0.51*	
		For Horizontal Installation >10' High, Add	*0.75*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.72*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.17*	
09 29 00 00-0009	SF	1/2" Gypsum Board, Two Layers	2.34	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.87*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.15*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.49*	
		For >1,536, Deduct	*-0.18*	
09 29 00 00-0010	SF	5/8" Gypsum Board, Two Layers	2.73	1.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.99*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.16*	
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Walls >10' High, Add	*0.16*	
		For Up To 128, Add	*0.94*	
		For >128 To 320, Add	*0.57*	
		For >1,536, Deduct	*-0.21*	
09 29 00 00-0011		Fire Rated Gypsum Board Application *(09 29 00 00-0001)*		
09 29 00 00-0012		Type X, Fire Rated Gypsum Board *(09 29 00 00-0011)*		
09 29 00 00-0013	SF	5/8" Type X Fire Rated Gypsum Board	1.59	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.61*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.56*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.12*	
09 29 00 00-0014	SF	5/8" Type X Fire Rated Gypsum Board, Two Layers	2.92	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.09*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.17*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.09*	
		For Walls >10' High, Add	*0.17*	
		For Up To 128, Add	*1.02*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.22*	
09 29 00 00-0015		Type C, Fire Rated Gypsum Board *(09 29 00 00-0011)*		
09 29 00 00-0016	SF	1/2" Type C Fire Rated Gypsum Board	1.45	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.53*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.50*	
		For >128 To 320, Add	*0.30*	
		For >1,536, Deduct	*-0.11*	
09 29 00 00-0017	SF	5/8" Type C Fire Rated Gypsum Board	1.63	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.61*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0018	SF	1/2" Type C Fire Rated Gypsum Board, Two Layers	2.68	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.95*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.16*	
		For Horizontal Installation Up To 10' High, Add	*0.65*	
		For Horizontal Installation >10' High, Add	*0.95*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.21*	
09 29 00 00-0019	SF	5/8" Type C Fire Rated Gypsum Board, Two Layers	3.01	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.09*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.17*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.09*	
		For Walls >10' High, Add	*0.17*	
		For Up To 128, Add	*1.04*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.23*	

09 29 00 00-0020 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 00 00-0011)*

09 29 00 00-0021	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	2.15	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.61*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.67*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.20*	
09 29 00 00-0022	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers	4.04	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.09*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.17*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.09*	
		For Walls >10' High, Add	*0.17*	
		For Up To 128, Add	*1.24*	
		For >128 To 320, Add	*0.73*	
		For >1,536, Deduct	*-0.39*	

09 29 00 00-0023 Moisture Resistant Gypsum Board Application *(09 29 00 00-0001)*

Note: Water-resistant gypsum core.

09 29 00 00-0024	SF	1/2" Moisture Resistant Gypsum Board	1.36	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.48*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.28*	
		For >1,536, Deduct	*-0.11*	
09 29 00 00-0025	SF	5/8" Moisture Resistant Gypsum Board	1.74	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.15*	

09 29 00 00-0026 Vinyl Faced Gypsum Board Application *(09 29 00 00-0001)*

Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.

09 29 00 00-0027	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	2.40	0.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.42*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.42*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.65*	
		For >128 To 320, Add	*0.36*	
		For >1,536, Deduct	*-0.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0028	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	2.53	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.48*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.28*	
09 29 00 00-0029	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	2.68	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.76*	
		For >128 To 320, Add	*0.43*	
		For >1,536, Deduct	*-0.29*	
09 29 00 00-0030	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	2.92	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.53*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.80*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.33*	
09 29 00 00-0031	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.37	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.61*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.12*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.53*	

09 29 00 00-0032 Moisture And Mold Resistant Gypsum Board Application *(09 29 00 00-0001)*

09 29 00 00-0033	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.56	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.48*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.50*	
		For >128 To 320, Add	*0.30*	
		For >1,536, Deduct	*-0.14*	
09 29 00 00-0034	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.85	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.59*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.17*	
09 29 00 00-0035	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.84	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.53*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.58*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.17*	
09 29 00 00-0036	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	2.06	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.61*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.66*	
		For >128 To 320, Add	*0.39*	
		For >1,536, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0037		**Hi-Impact Gypsum Board** *(09 29 00 00-0001)* Note: Abrasion, impact and penetration resistant.		
09 29 00 00-0038	SF	0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	2.57	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.55*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.73*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.28*	
09 29 00 00-0039	SF	0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	3.00	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.55*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.82*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.34*	
09 29 00 00-0040	SF	0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	3.43	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.55*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.91*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.40*	
09 29 00 00-0041	SF	0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	6.02	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.55*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*1.42*	
		For >128 To 320, Add	*0.77*	
		For >1,536, Deduct	*-0.79*	
09 29 00 00-0042		**Hi-Abuse Gypsum Board** *(09 29 00 00-0001)* Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 00 00-0043	SF	5/8" Fire Rated, Hi-Abuse Gypsum Board	1.89	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.55*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.17*	
09 29 00 00-0044		**Soundproof Gypsum Board** *(09 29 00 00-0001)* Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0045	SF	1/2" Soundproof Gypsum Board	3.46	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.41*	
09 29 00 00-0046	SF	5/8" Soundproof Gypsum Board	4.15	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.56*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*1.05*	
		For >128 To 320, Add	*0.58*	
		For >1,536, Deduct	*-0.51*	
09 29 00 00-0047		**Shaft Wall** *(09 29)* See CSI section 09 29 00 00-0054 for finishing drywall.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0048	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	6.00	2.31
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*2.32*	
		For Horizontal Installation Up To 10' High, Add	*1.58*	
		For Horizontal Installation >10' High, Add	*2.32*	
		For Walls >10' High, Add	*0.37*	
		For Up To 128, Add	*2.13*	
		For >128 To 320, Add	*1.30*	
		For >1,536, Deduct	*-0.44*	
09 29 00 00-0049	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	6.95	2.78
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*2.78*	
		For Horizontal Installation Up To 10' High, Add	*1.89*	
		For Horizontal Installation >10' High, Add	*2.78*	
		For Walls >10' High, Add	*0.44*	
		For Up To 128, Add	*2.50*	
		For >128 To 320, Add	*1.53*	
		For >1,536, Deduct	*-0.49*	
09 29 00 00-0050	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.48	1.79
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.79*	
		For Horizontal Installation Up To 10' High, Add	*1.21*	
		For Horizontal Installation >10' High, Add	*1.79*	
		For Walls >10' High, Add	*0.29*	
		For Up To 128, Add	*1.81*	
		For >128 To 320, Add	*1.08*	
		For Glass Mat Surfaces, Add	*0.21*	
09 29 00 00-0051	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.83	1.87
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.87*	
		For Horizontal Installation Up To 10' High, Add	*1.27*	
		For Horizontal Installation >10' High, Add	*1.87*	
		For Walls >10' High, Add	*0.30*	
		For Up To 128, Add	*1.91*	
		For >128 To 320, Add	*1.14*	
		For Glass Mat Surfaces, Add	*0.21*	
09 29 00 00-0052	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	6.28	1.87
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.87*	
		For Horizontal Installation Up To 10' High, Add	*1.27*	
		For Horizontal Installation >10' High, Add	*1.87*	
		For Walls >10' High, Add	*0.30*	
		For Up To 128, Add	*2.00*	
		For >128 To 320, Add	*1.19*	
		For Glass Mat Surfaces, Add	*0.21*	
09 29 00 00-0053	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	6.65	1.96
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.97*	
		For Horizontal Installation Up To 10' High, Add	*1.34*	
		For Horizontal Installation >10' High, Add	*1.97*	
		For Walls >10' High, Add	*0.31*	
		For Up To 128, Add	*2.12*	
		For >128 To 320, Add	*1.25*	
		For Glass Mat Surfaces, Add	*0.21*	

09 29 00 00-0054 Finishing Gypsum Board Applications *(09 29)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 00 00-0055 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 00 00-0054)*

09 29 00 00-0056	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.60	
		For Up To 128, Add	*0.23*	
		For >128 To 320, Add	*0.14*	
		For >5,400, Deduct	*-0.06*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.29*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.06*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.44*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0057	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	0.80	
		For Up To 128, Add	*0.31*	
		For >128 To 320, Add	*0.19*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.39*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.59*	
09 29 00 00-0058		Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 00 00-0054)*		
09 29 00 00-0059	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.78	
		For Up To 128, Add	*0.30*	
		For >128 To 320, Add	*0.19*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.38*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.58*	
09 29 00 00-0060	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.06	
		For Up To 128, Add	*0.41*	
		For >128 To 320, Add	*0.26*	
		For >5,400, Deduct	*-0.11*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.52*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.26*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.79*	
09 29 00 00-0061		Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 00 00-0054)* Note: Inside or outside gypsum board corners.		
09 29 00 00-0062	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.21	
		For ASTM C840 Level 1 Finish, Deduct	*-0.56*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.28*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.11*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.89*	
09 29 00 00-0063	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.45	
		For ASTM C840 Level 1 Finish, Deduct	*-0.68*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.34*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.07*	
09 29 00 00-0064		Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 *(09 29 00 00-0054)* Note: Inside or outside gypsum board corners.		
09 29 00 00-0065	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.41	
		For ASTM C840 Level 1 Finish, Deduct	*-0.66*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.33*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.13*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.04*	
09 29 00 00-0066	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.69	
		For ASTM C840 Level 1 Finish, Deduct	*-0.80*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.25*	
09 29 00 00-0067		Textured Finishes For Gypsum Board *(09 29 00 00-0054)*		
09 29 00 00-0068	SF	"Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling	0.39	
09 29 00 00-0069	SF	Textured Finish On Existing Gypsum Board Ceiling Note: For non spray applied textures.	0.76	
09 29 00 00-0070	SF	Spray Applied Orange Peel Finish On Existing Gypsum Board Wall	0.36	
09 29 00 00-0071	SF	Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall	0.47	
09 29 00 00-0072		Casing And Corner Beads *(09 29)*		
09 29 00 00-0073	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	3.26	0.92
		For Up To 100, Add	*0.22*	
		For >500, Deduct	*-0.16*	
09 29 00 00-0074	LF	Corner Bead, Galvanized Steel For Gypsum Board	3.18	0.92
		For Up To 100, Add	*0.20*	
		For >500, Deduct	*-0.16*	
09 29 00 00-0075		Preformed Architectural Profiles *(09 29)*		
09 29 00 00-0076		Trim Reveals For Gypsum Board *(09 29 00 00-0075)*		
09 29 00 00-0077	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.83	1.12
09 29 00 00-0078	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.85	1.12
09 29 00 00-0079	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.95	1.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0080	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.00	1.12
09 29 00 00-0081	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.12	1.12
09 29 00 00-0082	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.25	1.12
09 29 00 00-0083	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.37	1.12
09 29 00 00-0084	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.76	1.12
09 29 00 00-0085	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.16	1.12
09 29 00 00-0086	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.96	1.21
09 29 00 00-0087	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.96	1.21
09 29 00 00-0088	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.23	1.21
09 29 00 00-0089	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.28	1.21
09 29 00 00-0090	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.45	1.21
09 29 00 00-0091	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.53	1.21
09 29 00 00-0092	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.62	1.21
09 29 00 00-0093	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.07	1.21
09 29 00 00-0094	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.51	1.21
09 29 00 00-0095	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.41	1.39
09 29 00 00-0096	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.14	1.39
09 29 00 00-0097		**Edge Trim For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0098	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	3.59	1.16
09 29 00 00-0099	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	3.79	1.16
09 29 00 00-0100	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	4.39	1.28
09 29 00 00-0101	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	4.62	1.39
09 29 00 00-0102	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	6.05	1.16
09 29 00 00-0103	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	6.25	1.16
09 29 00 00-0104	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	6.85	1.28
09 29 00 00-0105	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.09	1.39
09 29 00 00-0106		**Bevel Trim For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0107	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	3.79	1.16
09 29 00 00-0108	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	4.32	1.28
09 29 00 00-0109		**Trim/Wainscot Caps For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0110	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	5.04	1.39
09 29 00 00-0111		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0112	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.44	0.74
09 29 00 00-0113	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.55	0.83
09 29 00 00-0114	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.10	0.92
09 29 00 00-0115	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.36	1.02
09 29 00 00-0116	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.62	1.12
09 29 00 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.69	1.12
09 29 00 00-0118	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.91	1.12
09 29 00 00-0119	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.33	1.12
09 29 00 00-0120	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.48	1.12
09 29 00 00-0121	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.45	1.21
09 29 00 00-0122	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.50	1.21
09 29 00 00-0123	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.77	1.21
09 29 00 00-0124	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.90	1.21
09 29 00 00-0125	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.99	1.21
09 29 00 00-0126	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.12	1.21
09 29 00 00-0127	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.29	1.21
09 29 00 00-0128	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.73	1.21
09 29 00 00-0129	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.10	1.21
09 29 00 00-0130	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.28	1.21
09 29 00 00-0131	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.55	1.21
09 29 00 00-0132	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	6.84	1.21
09 29 00 00-0133	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.04	1.21
09 29 00 00-0134	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.70	1.21
09 29 00 00-0135	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.77	1.21
09 29 00 00-0136	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	8.73	1.21
09 29 00 00-0137	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	7.31	1.21
09 29 00 00-0138		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0139	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	5.65	1.67
09 29 00 00-0140	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	6.49	1.85
09 29 00 00-0141	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.41	2.22
09 29 00 00-0142	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.64	2.41
09 29 00 00-0143		**Double Fin Wall Reveals For Gypsum Board** *(09 29 00 00-0075)*		
09 29 00 00-0144	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.01	1.12
09 29 00 00-0145	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.06	1.12
09 29 00 00-0146	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.11	1.12
09 29 00 00-0147	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.11	1.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0148	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.33	1.12
09 29 00 00-0149	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.43	1.10
09 29 00 00-0150	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.53	1.12
09 29 00 00-0151	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.75	1.12
09 29 00 00-0152	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.12	1.12
09 29 00 00-0153	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.51	1.12
09 29 00 00-0154	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.31	1.21
09 29 00 00-0155	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.36	1.21
09 29 00 00-0156	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.46	1.21
09 29 00 00-0157	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.68	1.21
09 29 00 00-0158	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.78	1.21
09 29 00 00-0159	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.86	1.21
09 29 00 00-0160	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.10	1.21
09 29 00 00-0161	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.49	1.21
09 29 00 00-0162	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.89	1.21
09 29 00 00-0163	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.95	1.21
09 29 00 00-0164	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.16	1.21
09 29 00 00-0165	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.27	1.32
09 29 00 00-0166	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.63	1.61
09 29 00 00-0167	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.95	1.61
09 29 00 00-0168	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	8.38	1.10
09 29 00 00-0169	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	8.14	1.61
09 29 00 00-0170	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	5.82	1.10
09 29 00 00-0171		Special Conditions Reveals For Gypsum Board *(09 29 00 00-0075)*		
09 29 00 00-0172		Radius Conditions *(09 29 00 00-0171)*		
09 29 00 00-0173	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.52	
09 29 00 00-0174	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.52	
09 29 00 00-0175	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.52	
09 29 00 00-0176		Knee Brace Kit *(09 29 00 00-0171)*		
09 29 00 00-0177	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	141.28	11.58
09 29 00 00-0178		Wall Bumper Rail *(09 29 00 00-0171)*		
09 29 00 00-0179	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	21.56	4.63
09 29 00 00-0180		Corners For Gypsum Board *(09 29 00 00-0075)*		
09 29 00 00-0181	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	4.69	1.12
09 29 00 00-0182	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.02	1.21
09 29 00 00-0183	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.51	1.26
09 29 00 00-0184	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.10	1.32
09 29 00 00-0185	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	7.40	1.61
09 29 00 00-0186	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.54	1.81
09 29 00 00-0187	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.28	2.07
09 29 00 00-0188	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	12.43	2.41
09 29 00 00-0189	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	17.01	3.22
09 29 00 00-0190	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	4.65	1.08
09 29 00 00-0191	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.22	1.45
09 29 00 00-0192	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	6.17	1.45
09 29 00 00-0193	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	10.38	1.45
09 29 00 00-0194	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	14.60	1.81
09 29 00 00-0195	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	14.05	1.81
09 29 00 00-0196	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	4.70	1.26
09 29 00 00-0197	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	4.70	1.21
09 29 00 00-0198	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	4.67	1.12
09 29 00 00-0199	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	4.92	1.21
09 29 00 00-0200	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	6.42	1.32
09 29 00 00-0201	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	5.63	1.12
09 29 00 00-0202	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	5.95	1.21
09 29 00 00-0203	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	8.44	1.32
09 29 00 00-0204	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	9.07	1.12
09 29 00 00-0205	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	15.90	2.41
09 29 00 00-0206	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	16.89	2.41
09 29 00 00-0207	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	30.97	4.02
09 29 00 00-0208	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	50.77	5.70
09 29 00 00-0209	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	5.54	1.24
09 29 00 00-0210	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.25	1.30
09 29 00 00-0211	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	7.53	1.59
09 29 00 00-0212	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.13	1.78
09 29 00 00-0213	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	12.62	2.04
09 29 00 00-0214	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.76	2.38
09 29 00 00-0215	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	15.93	3.17
09 29 00 00-0216	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.37	2.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0217	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.49	2.38
09 29 00 00-0218	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.28	2.38
09 29 00 00-0219	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.52	2.38

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	Less Than 8" x 8" Mounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	11.11	2.56
		For Up To 50, Add	*6.60*	
		For >50 To 250, Add	*1.02*	
		For >1,000, Deduct	*-0.51*	
		For Epoxy Grout, Add	*1.18*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 13 00-0003	SF	8" x 8" And Larger Unmounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	12.38	1.59
		For Up To 50, Add	*7.87*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 13 00-0004	SF	Mounted Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	8.89	2.56
		For Up To 50, Add	*6.05*	
		For >50 To 250, Add	*1.02*	
		For >1,000, Deduct	*-0.51*	
09 30 13 00-0005	SF	Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	12.19	3.09
		For Up To 50, Add	*7.68*	
		For >50 To 250, Add	*1.24*	
		For >1,000, Deduct	*-0.62*	
		For Epoxy Grout, Add	*1.34*	
09 30 13 00-0006	SF	8" x 8" And Larger Unmounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	13.82	1.96
		For Up To 50, Add	*9.31*	
		For >50 To 250, Add	*1.56*	
		For >1,000, Deduct	*-0.78*	
		For Epoxy Grout, Add	*1.58*	
09 30 13 00-0007	SF	Mounted Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	9.97	3.09
		For Up To 50, Add	*7.13*	
		For >50 To 250, Add	*1.24*	
		For >1,000, Deduct	*-0.62*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	16.72	5.36
		For Up To 50, Add	*12.21*	
		For >50 To 250, Add	*2.14*	
		For >1,000, Deduct	*-1.07*	
		For Chemical Resistant Epoxy Grout, Add	*1.91*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	18.87	3.21
		For Up To 50, Add	*14.36*	
		For >50 To 250, Add	*2.57*	
		For >1,000, Deduct	*-1.29*	
		For Chemical Resistant Epoxy Grout, Add	*2.23*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim	14.92	2.23
		For Chemical Resistant Epoxy Grout, Add	*1.54*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	9.87	1.80
		For Up To 50, Add	*7.82*	
		For >50 To 250, Add	*1.43*	
		For >1,000, Deduct	*-0.71*	
		For Epoxy Grout, Add	*1.48*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	18.32	1.80

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 50, Add	*9.94*	
		For >50 To 250, Add	*1.43*	
		For >1,000, Deduct	*-0.71*	
		For Epoxy Grout, Add	*1.48*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile	11.30	2.12
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*9.25*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.86*	
		For Epoxy Grout, Add	*1.70*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	19.75	2.12
		For Up To 50, Add	*11.37*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.86*	
		For Epoxy Grout, Add	*1.70*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	13.69	2.36
		For Chemical Resistant Epoxy Grout, Add	*1.61*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	27.53	2.36
		For Chemical Resistant Epoxy Grout, Add	*1.61*	

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	10.47	1.59
		For Up To 50, Add	*7.40*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	10.85	1.59
		For Up To 50, Add	*7.49*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	11.05	1.59
		For Up To 50, Add	*7.54*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	11.14	1.59
		For Up To 50, Add	*7.56*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	11.20	1.59
		For Up To 50, Add	*7.58*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	11.29	1.59
		For Up To 50, Add	*7.60*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	11.49	1.59
		For Up To 50, Add	*7.65*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	12.82	1.59
		For Up To 50, Add	*7.98*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	12.97	1.59
		For Up To 50, Add	*8.02*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	13.24	1.59
		For Up To 50, Add	*8.09*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	13.55	1.59
		For Up To 50, Add	*8.17*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	13.77	1.59
		For Up To 50, Add	*8.22*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	14.50	1.59
		For Up To 50, Add	*8.40*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	15.88	1.59
		For Up To 50, Add	*8.75*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	15.97	1.59
		For Up To 50, Add	*8.77*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	16.99	1.59
		For Up To 50, Add	*9.03*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	17.34	1.59
		For Up To 50, Add	*9.11*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	17.49	1.59
		For Up To 50, Add	*9.15*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	17.72	1.59
		For Up To 50, Add	*9.21*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	19.62	1.59
		For Up To 50, Add	*9.68*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	20.70	1.59
		For Up To 50, Add	*9.95*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	21.00	1.59
		For Up To 50, Add	*10.03*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	21.14	1.59
		For Up To 50, Add	*10.06*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0025 Granite Floor Tile *(09 30 33)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	9.44	1.59
		For Up To 50, Add	*7.14*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	10.17	1.59
		For Up To 50, Add	*7.32*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	10.76	1.59
		For Up To 50, Add	*7.47*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	13.10	1.59
		For Up To 50, Add	*8.05*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	13.55	1.59
		For Up To 50, Add	*8.17*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	13.98	1.59
		For Up To 50, Add	*8.27*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	14.41	1.59
		For Up To 50, Add	*8.38*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	14.94	1.59
		For Up To 50, Add	*8.51*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	15.44	1.59
		For Up To 50, Add	*8.64*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	15.97	1.59
		For Up To 50, Add	*8.77*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	16.46	1.59
		For Up To 50, Add	*8.89*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	17.05	1.59
		For Up To 50, Add	*9.04*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	17.63	1.59
		For Up To 50, Add	*9.19*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	19.68	1.59
		For Up To 50, Add	*9.70*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0040		**Slate Floor Tile** *(09 30 33)*		
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	8.56	1.59
		For Up To 50, Add	*6.92*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	8.95	1.59
		For Up To 50, Add	*7.02*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	9.15	1.59
		For Up To 50, Add	*7.07*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	9.15	1.59
		For Up To 50, Add	*7.07*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	9.30	1.59
		For Up To 50, Add	*7.10*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	9.73	1.59
		For Up To 50, Add	*7.21*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	10.17	1.59
		For Up To 50, Add	*7.32*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	10.32	1.59
		For Up To 50, Add	*7.36*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0049		**Travertine Floor Tile** *(09 30 33)*		
09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	10.17	1.59
		For Up To 50, Add	*7.32*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	10.61	1.59
		For Up To 50, Add	*7.43*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	10.90	1.59
		For Up To 50, Add	*7.50*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	11.34	1.59
		For Up To 50, Add	*7.61*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	11.49	1.59
		For Up To 50, Add	*7.65*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	11.64	1.59
		For Up To 50, Add	*7.69*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	13.04	1.59
		For Up To 50, Add	*8.04*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0057 Limestone Floor Tile *(09 30 33)*

09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	12.95	1.59
		For Up To 50, Add	*8.02*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	13.39	1.59
		For Up To 50, Add	*8.13*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	15.67	1.59
		For Up To 50, Add	*8.70*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	17.05	1.59
		For Up To 50, Add	*9.04*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	17.05	1.59
		For Up To 50, Add	*9.04*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	17.49	1.59
		For Up To 50, Add	*9.15*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	19.09	1.59
		For Up To 50, Add	*9.55*	
		For >50 To 250, Add	*1.27*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.37*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 00 00-0001	SF	Thin Set - Latex Portland Cement Mortar	1.53	0.85
		For Up To 50, Add	*1.34*	
		For >50 To 250, Add	*0.25*	
		For >1,000, Deduct	*-0.13*	
09 31 00 00-0002	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.81	
		For Up To 50, Add	*0.81*	
		For >50 To 250, Add	*0.16*	
		For >1,000, Deduct	*-0.08*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 00 00-0001	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15# felt and wire reinforcement.	3.55	1.70
		For Up To 50, Add	*2.80*	
		For >50 To 250, Add	*0.51*	
		For >1,000, Deduct	*-0.26*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 00 00-0002	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15# felt and wire reinforcement.	5.20	2.27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 50, Add	*3.85*	
		For >50 To 250, Add	*0.68*	
		For >1,000, Deduct	*-0.34*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 00 00-0003	SF	3/4" Portland Cement Plaster Scratch Coat for Walls	11.62	5.10
		Note: Includes 15# felt and expanded metal lath.		
		For Up To 50, Add	*10.55*	
		For >50 To 250, Add	*2.04*	
		For >1,000, Deduct	*-1.02*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-1.99*	

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	877.09
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,000.12
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,457.47

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	106.81
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	99.95

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	200.63
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	395.01
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	485.71
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	356.13
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	395.01
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	420.92

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	178.08
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	178.08
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	268.79

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	3.26
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	3.71

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	2.91

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 00 00-0001	SF	Thin Set - Epoxy Mortar	4.54	1.11
		Note: Impact and chemical resistant.		
		For Up To 50, Add	*2.41*	
		For >50 To 250, Add	*0.34*	
		For >1,000, Deduct	*-0.17*	

09 39 Tiling Transitions And Accessories *(09 30)*

09 39 00 00-0001 Tile Waterproofing And Crack Prevention *(09 39)*

09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	78.26
		For Chemical Resistant Epoxy Grout, Add	*4.88*

09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*

09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	3.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	7.33	
09 39 00 00-0006		**Coved Shaped Transition Profiles For Floor To Wall For Tile** *(09 39)*		
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	4.83	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	4.81	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	4.97	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	4.61	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	4.78	
09 39 00 00-0012		**Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile** *(09 39)*		
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	9.40	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	9.65	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	9.93	
09 39 00 00-0016		**Tile Substrate (Schluter® KERDI BOARD)** *(09 39)*		
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.70	0.64
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	6.40	0.74
09 39 00 00-0019		**Floor Edge Protection And Transition Profiles For Tile** *(09 39)*		
09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.76	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.83	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.90	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.02	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.50	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.59	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.66	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.74	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.87	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.74	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.51	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.67	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.82	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.51	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.62	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.77	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.47	
09 39 00 00-0037		**Outside Wall Edge Protection And Transition Profiles For Tile** *(09 39)*		
09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.60	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.76	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.00	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.25	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.93	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.24	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.54	
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.08	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

09 51 13 00-0003	SF	2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel	2.52	0.46
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*0.80*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*0.80*	
		For Ceilings >10' High, Add	*0.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0004	SF	2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel	2.49	0.46
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*0.79*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*0.80*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0005	SF	2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel	5.49	0.46
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*2.44*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0006	SF	2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel	5.49	0.46
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*2.44*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0007	SF	2' x 2' x 1" Fiberglass Acoustical Ceiling Panel	5.88	0.55
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0008	SF	2' x 4' x 1" Fiberglass Acoustical Ceiling Panel	5.88	0.55
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.56*	
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.08*	

09 51 13 00-0009 Glass Cloth Faced Fiberglass Panels *(09 51 13 00-0001)*

09 51 13 00-0010	SF	3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	3.62	0.55
		For Fire Rated Panels, Add	*0.62*	
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.22*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0011	SF	1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	3.91	0.55
		For Fire Rated Panels, Add	*0.62*	
		For Up To 50, Add	*1.12*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0012	SF	1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	5.44	0.92
		For Fire Rated Panels, Add	*0.70*	
		For Up To 50, Add	*1.51*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.89*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0013	SF	2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	6.81	0.92
		For Fire Rated Panels, Add	*0.70*	
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*1.03*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.13*	

09 51 13 00-0014 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0015 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0014)*

09 51 13 00-0016	SF	1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	3.02	0.55
		For Vinyl Faced Panels, Add	*1.16*	
		For Fire Rated Panels, Add	*0.58*	
		For Moisture Resistant Panels, Add	*1.16*	
		For Up To 50, Add	*0.92*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.53*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.23*	
		For Integrated Wood Trim, Add	*7.77*	
		For Vertical Application, Add	*0.52*	
		For Single Angled Tegular Edge (Reveal), Add	*0.95*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels	2.03	0.55
		For Vinyl Faced Panels, Add	*1.12*	
		For Fire Rated Panels, Add	*0.56*	
		For Vinyl-Coated Aluminum Foil Surfaced, Add	*1.13*	
		For Moisture Resistant Panels, Add	*1.12*	
		For Up To 50, Add	*0.73*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.12*	
		For Integrated Wood Trim, Add	*7.70*	
		For Vertical Application, Add	*0.48*	
		For Single Angled Tegular Edge (Reveal), Add	*0.54*	
		For Black Ceiling Tiles, Add	*0.53*	
		For Ceilings >10' High, Add	*0.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0018	SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	3.21	0.55
		For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	*0.54*	
		For Vinyl Faced Panels, Add	*1.12*	
		For Fire Rated Panels, Add	*0.56*	
		For Moisture Resistant Panels, Add	*1.12*	
		For Up To 50, Add	*0.91*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.53*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*7.95*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.27*	
		For Vertical Application, Add	*0.48*	
		For Single Angled Tegular Edge (Reveal), Add	*1.07*	
		For Scored Acoustical Tile, Add	*0.25*	
		For Black Ceiling Tiles, Add	*1.18*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0019	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels	2.00	0.55
		For Vinyl Faced Panels, Add	*1.11*	
		For Fire Rated Panels, Add	*0.56*	
		For Vinyl-Coated Aluminum Foil Surfaced, Add	*1.13*	
		For Moisture Resistant Panels, Add	*1.11*	
		For Up To 50, Add	*0.71*	
		For >50 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.41*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.18*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.12*	
		For Vertical Application, Add	*0.46*	
		For Single Angled Tegular Edge (Reveal), Add	*0.54*	
		For Black Ceiling Tiles, Add	*0.53*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0020	SF	2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels	3.18	0.55
		For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	*0.54*	
		For Vinyl Faced Panels, Add	*1.11*	
		For Fire Rated Panels, Add	*0.56*	
		For Moisture Resistant Panels, Add	*1.11*	
		For Up To 50, Add	*0.89*	
		For >50 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.52*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.43*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.27*	
		For Vertical Application, Add	*0.46*	
		For Single Angled Tegular Edge (Reveal), Add	*1.07*	
		For Scored Acoustical Tile, Add	*0.25*	
		For Black Ceiling Tiles, Add	*1.18*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0021	SF	2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels	1.98	0.55
		For Vinyl Faced Panels, Add	*1.10*	
		For Fire Rated Panels, Add	*0.55*	
		For Moisture Resistant Panels, Add	*1.10*	
		For Up To 50, Add	*0.70*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.40*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.42*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.12*	
		For Vertical Application, Add	*0.45*	
		For Single Angled Tegular Edge (Reveal), Add	*0.54*	
		For Ceilings >10' High, Add	*0.08*	

09 51 13 00-0022 Wood Fiber Panels *(09 51 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0023	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	3.98	0.74
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0024	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	3.80	0.64
		For Up To 50, Add	*1.16*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	5.02	0.74
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	4.84	0.64
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0027	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	6.02	0.74
		For Up To 50, Add	*1.57*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0028	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	5.84	0.64
		For Up To 50, Add	*1.47*	
		For >50 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.88*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0029	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	4.59	0.74
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0030	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	4.41	0.64
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0031		Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*		
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0032	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.37	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0033	SF	Removal And Reinstallation Of Acoustical Panels Only	0.89	
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0034	SF	Removal And Reinstallation Of Grid System Only	0.82	
		For Ceilings >10' High, Add	*0.06*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001		Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*		
09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	4.08	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.54*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.32*	
		For >2,500, Deduct	*-0.20*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	4.74	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.64*	
		For >50 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.35*	
		For >2,500, Deduct	*-0.24*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	5.27	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.38*	
		For >2,500, Deduct	*-0.26*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23 00-0005		Wood Fiber Acoustical Tile Ceilings *(09 51 23)*		
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	3.80	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.31*	
		For >2,500, Deduct	*-0.19*	
		For Ceilings >10' High, Add	*0.17*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001		Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	13.24	0.81
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	14.14	0.81
09 51 33 13-0004		Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.02	0.92
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.70	0.92
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.27	0.92
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.85	0.92
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.56	0.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.28	0.92
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.03	0.92
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.73	0.92
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.48	0.92
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.60	0.92
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.55	0.92
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.42	0.92
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.26	0.92
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.01	0.92
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.74	0.92
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.83	0.92
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.23	0.92
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.74	0.92
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.77	0.92
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.00	0.92
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.12	0.92
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.98	0.92
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.03	0.92
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.54	0.92
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.77	0.92
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.78	0.92
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.29	0.92
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.07	0.92
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.37	0.92
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.66	0.92
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.35	0.92
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.07	0.92

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	10.34	0.69
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	11.68	0.69
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.05	0.69
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	14.51	0.69
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.56	0.69
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	24.35	0.69
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.32	0.69
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.95	0.69
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.41	0.69
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.06	0.69
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.48	0.69
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.99	0.69
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.48	0.69
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.13	0.69

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	13.27	0.69
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.78	0.69
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.91	0.69

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.90	0.69
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.31	0.69
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.27	0.69

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.75	0.69
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.95	0.69
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.36	0.69
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.06	0.69
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.50	0.69
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.73	0.69

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	4.22	0.46
		For Vertical Application, Add	*2.48*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.49*	
		For Compression Struts With Splay Wires, Add	*0.48*	
		For Up To 50, Add	*1.77*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.21*	
09 53 23 00-0003	SF	1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	3.55	0.46
		For UL Listed (Fire Guard), Add	*0.17*	
		For 1-1/2" Wide Faced Grid, Add	*0.31*	
		For Vertical Application, Add	*2.14*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.28*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.42*	
		For Aluminum T-Bar System, Add	*0.50*	
		For Compression Struts With Splay Wires, Add	*0.40*	
		For Up To 50, Add	*1.51*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0004	SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.90	0.46
		For UL Listed (Fire Guard), Add	*0.12*	
		For 1-1/2" Wide Faced Grid, Add	*0.22*	
		For Vertical Application, Add	*1.86*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.19*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.36*	
		For Aluminum T-Bar System, Add	*0.35*	
		For Compression Struts With Splay Wires, Add	*0.32*	
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.10*	
		For Ceilings >10' High, Add	*0.16*	
		For Concealed Spline Grid, Add	*0.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005	SF	2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	2.45	0.46
		For UL Listed (Fire Guard), Add	*0.09*	
		For 1-1/2" Wide Faced Grid, Add	*0.17*	
		For Vertical Application, Add	*1.85*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.15*	
		For Individual Room Quantities <495, Add	*0.31*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.27*	
		For Compression Struts With Splay Wires, Add	*0.27*	
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	
		For Black Grid, Add	*0.08*	
		For Ceilings >10' High, Add	*0.14*	
		For Concealed Spline Grid, Add	*0.34*	
09 53 23 00-0006	SF	2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	2.36	0.46
		For UL Listed (Fire Guard), Add	*0.10*	
		For 1-1/2" Wide Faced Grid, Add	*0.19*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.17*	
		For Individual Room Quantities <495, Add	*0.29*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.30*	
		For Compression Struts With Splay Wires, Add	*0.26*	
		For Up To 50, Add	*1.03*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.15*	
		For Ceilings >10' High, Add	*0.13*	
09 53 23 00-0007	SF	2', 15/16" Suspended Ceiling Cross Tee	0.70	0.27
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
		For 1-1/2" Wide Faced Grid, Add	*0.05*	
		For Vertical Application, Add	*0.53*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.04*	
		For Individual Room Quantities <495, Add	*0.09*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.08*	
		For Up To 50, Add	*0.32*	
		For >50 To 200, Add	*0.18*	
		For >200 To 500, Add	*0.06*	
		For >2,500 To 4,000, Deduct	*-0.02*	
		For >4,000 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.05*	
		For Ceilings >10' High, Add	*0.04*	

09 53 23 00-0008 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0009	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.00	
09 53 23 00-0010	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.53	1.30
		For 304 Stainless Steel, Add	*1.65*	
		For 316 Stainless Steel, Add	*1.86*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.36*	
09 53 23 00-0011	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.58	1.39
		For 304 Stainless Steel, Add	*2.51*	
		For 316 Stainless Steel, Add	*2.82*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.55*	
09 53 23 00-0012	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.82	1.48
		For 304 Stainless Steel, Add	*5.02*	
		For 316 Stainless Steel, Add	*5.63*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.09*	

09 54 Specialty Ceilings *(09 50)*

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	12.44	1.91
		For Up To 50, Add	*3.70*	
		For >50 To 200, Add	*2.16*	
		For >200 To 500, Add	*0.85*	
		For >2,500, Deduct	*-0.62*	
		For Ceilings >10' High, Add	*0.34*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.95*	
		For Curved Ceilings, Add	*1.14*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.33	1.91
		For Up To 50, Add	*3.35*	
		For >50 To 200, Add	*1.93*	
		For >200 To 500, Add	*0.74*	
		For >2,500, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.34*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.96*	
		For Curved Ceilings, Add	*1.12*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	9.49	1.91
		For Up To 50, Add	*3.18*	
		For >50 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.69*	
		For >2,500, Deduct	*-0.47*	
		For Ceilings >10' High, Add	*0.33*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.65*	
		For Curved Ceilings, Add	*1.10*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	13.54	2.96
		For Up To 50, Add	*3.46*	
		For >50 To 200, Add	*2.07*	
		For >200 To 500, Add	*0.86*	
		For >2,500, Deduct	*-0.68*	
		For Ceilings >10' High, Add	*0.27*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	19.68	1.91
		For Up To 50, Add	*4.46*	
		For >50 To 200, Add	*2.72*	
		For >200 To 500, Add	*1.17*	
		For >2,500, Deduct	*-0.98*	
		For Ceilings >10' High, Add	*0.28*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	14.61	1.91
		For Up To 50, Add	*3.70*	
		For >50 To 200, Add	*2.21*	
		For >200 To 500, Add	*0.92*	
		For >2,500, Deduct	*-0.73*	
		For Ceilings >10' High, Add	*0.28*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	13.42	1.91
		For Up To 50, Add	*3.40*	
		For >50 To 200, Add	*2.04*	
		For >200 To 500, Add	*0.84*	
		For >2,500, Deduct	*-0.67*	
		For Ceilings >10' High, Add	*0.26*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	11.71	1.43
		For Up To 50, Add	*2.97*	
		For >50 To 200, Add	*1.78*	
		For >200 To 500, Add	*0.74*	
		For >2,500, Deduct	*-0.59*	
		For Ceilings >10' High, Add	*0.23*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	9.98	2.86
		For Ceilings >10' High, Add	*0.42*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	12.29	3.34
		For Ceilings >10' High, Add	*0.47*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	16.36	3.91
		For Ceilings >10' High, Add	*0.59*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	29.27	9.06
		For Ceilings >10' High, Add	*1.33*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	39.76	10.59
		For Ceilings >10' High, Add	*1.59*	

09 57 Special Function Ceilings *(09 50)*

09 57 00 00-0001 High Impact Ceiling Systems *(09 57)*

09 57 00 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	6.35	0.92
		For Ceilings >10' High, Add	*0.11*	
09 57 00 00-0003	SF	High Impact Clips	2.43	0.74
		For Ceilings >10' High, Add	*0.09*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0001		**Anti-Slip Tape** *(09 61 13)* Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002	LF	1" Anti-Slip Tape	2.27	1.85
09 61 13 00-0003	LF	2" Anti-Slip Tape	2.79	2.04
09 61 13 00-0004	LF	3" Anti-Slip Tape	3.30	2.24
09 61 13 00-0005	LF	4" Anti-Slip Tape	3.79	2.46
09 61 13 00-0006	LF	6" Anti-Slip Tape	4.71	2.71
09 61 13 00-0007	LF	12" Anti-Slip Tape	8.05	4.07
09 61 13 00-0008	LF	24" Anti-Slip Tape	11.49	6.10

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001		**Clay Bricks** *(09 63 13)*		
09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	25.86	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	29.38	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	15.93	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	19.13	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	17.37	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	21.61	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	18.74	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	24.12	8.18
		For Basket Weave Pattern, Add	*1.75*	
		For Herringbone Pattern, Add	*2.33*	
		For Epoxy Joints, Add	*4.64*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001		**Cupric Oxychloride Cement, Seamless Flooring System** *(09 63 43)* Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	13.05	4.90

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001		**Wood Flooring Underlayment** *(09 64 13)*		
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.44	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.44	
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.46	
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.47	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.46	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.49	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.55	
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.61	
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.65	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.77	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.82	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.96	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.97	

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001		**Hardwood Parquet Flooring** *(09 64 23)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 23 00-0002	SF	Oak Parquet Flooring 5/16" Thick	8.98	0.92
		For Up To 20, Add	*3.95*	
		For >20 To 50, Add	*2.06*	
		For >50 To 100, Add	*1.03*	
		For >100 To 300, Add	*0.51*	

09 64 29 Wood Strip And Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	11.59	0.92
		For Factory Finish, Add	*0.74*	
		For Random Width Floor, Add	*2.69*	
		For Up To 20, Add	*3.62*	
		For >20 To 50, Add	*1.99*	
		For >50 To 100, Add	*1.00*	
		For >100 To 300, Add	*0.50*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	9.32	0.92
		For Factory Finish, Add	*0.39*	
		For Random Width Floor, Add	*2.06*	
		For Up To 20, Add	*3.85*	
		For >20 To 50, Add	*2.02*	
		For >50 To 100, Add	*1.01*	
		For >100 To 300, Add	*0.51*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	9.83	0.92
		For Factory Finish, Add	*0.44*	
		For Random Width Floor, Add	*2.19*	
		For Up To 20, Add	*3.93*	
		For >20 To 50, Add	*2.07*	
		For >50 To 100, Add	*1.04*	
		For >100 To 300, Add	*0.52*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	10.58	0.92
		For Factory Finish, Add	*0.51*	
		For Random Width Floor, Add	*2.37*	
		For Up To 20, Add	*4.04*	
		For >20 To 50, Add	*2.15*	
		For >50 To 100, Add	*1.07*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	8.21	0.92
		For Factory Finish, Add	*0.40*	
		For Random Width Floor, Add	*1.84*	
		For Up To 20, Add	*3.11*	
		For >20 To 50, Add	*1.66*	
		For >50 To 100, Add	*0.83*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.61	0.92
		For Factory Finish, Add	*0.44*	
		For Random Width Floor, Add	*1.94*	
		For Up To 20, Add	*3.17*	
		For >20 To 50, Add	*1.70*	
		For >50 To 100, Add	*0.85*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	9.39	0.92
		For Factory Finish, Add	*0.52*	
		For Random Width Floor, Add	*2.14*	
		For Up To 20, Add	*3.29*	
		For >20 To 50, Add	*1.77*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.44*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	9.41	0.92
		For Factory Finish, Add	*0.40*	
		For Random Width Floor, Add	*2.08*	
		For Up To 20, Add	*3.86*	
		For >20 To 50, Add	*2.03*	
		For >50 To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	9.91	0.92
		For Factory Finish, Add	*0.45*	
		For Random Width Floor, Add	*2.21*	
		For Up To 20, Add	*3.94*	
		For >20 To 50, Add	*2.08*	
		For >50 To 100, Add	*1.04*	
		For >100 To 300, Add	*0.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.67	0.92
		For Factory Finish, Add	*0.52*	
		For Random Width Floor, Add	*2.40*	
		For Up To 20, Add	*4.05*	
		For >20 To 50, Add	*2.16*	
		For >50 To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	8.29	0.92
		For Factory Finish, Add	*0.41*	
		For Random Width Floor, Add	*1.86*	
		For Up To 20, Add	*3.12*	
		For >20 To 50, Add	*1.66*	
		For >50 To 100, Add	*0.83*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	8.80	0.92
		For Factory Finish, Add	*0.46*	
		For Random Width Floor, Add	*1.99*	
		For Up To 20, Add	*3.20*	
		For >20 To 50, Add	*1.71*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.47	0.92
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.16*	
		For Up To 20, Add	*3.30*	
		For >20 To 50, Add	*1.78*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.45*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	11.26	0.92
		For Factory Finish, Add	*0.58*	
		For Random Width Floor, Add	*2.54*	
		For Up To 20, Add	*4.14*	
		For >20 To 50, Add	*2.22*	
		For >50 To 100, Add	*1.11*	
		For >100 To 300, Add	*0.55*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	10.42	0.92
		For Factory Finish, Add	*0.50*	
		For Random Width Floor, Add	*2.33*	
		For Up To 20, Add	*4.02*	
		For >20 To 50, Add	*2.13*	
		For >50 To 100, Add	*1.07*	
		For >100 To 300, Add	*0.53*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.31	0.92
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*2.37*	
		For Up To 20, Add	*3.42*	
		For >20 To 50, Add	*1.87*	
		For >50 To 100, Add	*0.93*	
		For >100 To 300, Add	*0.47*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.47	0.92
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.16*	
		For Up To 20, Add	*3.30*	
		For >20 To 50, Add	*1.78*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.45*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.07	0.92
		For Factory Finish, Add	*0.76*	
		For Random Width Floor, Add	*3.00*	
		For Up To 20, Add	*4.41*	
		For >20 To 50, Add	*2.40*	
		For >50 To 100, Add	*1.20*	
		For >100 To 300, Add	*0.60*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.95	0.92
		For Factory Finish, Add	*0.65*	
		For Random Width Floor, Add	*2.72*	
		For Up To 20, Add	*4.25*	
		For >20 To 50, Add	*2.29*	
		For >50 To 100, Add	*1.14*	
		For >100 To 300, Add	*0.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	12.25	0.92
		For Factory Finish, Add	*0.81*	
		For Random Width Floor, Add	*2.85*	
		For Up To 20, Add	*3.71*	
		For >20 To 50, Add	*2.06*	
		For >50 To 100, Add	*1.03*	
		For >100 To 300, Add	*0.51*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.12	0.92
		For Factory Finish, Add	*0.70*	
		For Random Width Floor, Add	*2.57*	
		For Up To 20, Add	*3.54*	
		For >20 To 50, Add	*1.95*	
		For >50 To 100, Add	*0.97*	
		For >100 To 300, Add	*0.49*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	10.59	0.92
		For Up To 20, Add	*3.22*	
		For >20 To 50, Add	*1.79*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	10.59	0.92
		For Up To 20, Add	*3.22*	
		For >20 To 50, Add	*1.79*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	10.28	0.92
		For Up To 20, Add	*3.18*	
		For >20 To 50, Add	*1.75*	
		For >50 To 100, Add	*0.88*	
		For >100 To 300, Add	*0.44*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	10.51	0.92
		For Up To 20, Add	*3.21*	
		For >20 To 50, Add	*1.78*	
		For >50 To 100, Add	*0.89*	
		For >100 To 300, Add	*0.44*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors *(09 64 66)*

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	12.30	4.63
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	16.34	6.02
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0004	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	17.22	6.02
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	19.06	6.02
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	18.21	6.02
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	20.73	6.02
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.30	1.23
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.21*	
		For >960, Deduct	*-0.31*	
09 65 13 13-0003	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.62	1.23
		For Up To 20, Add	*1.53*	
		For >20 To 40, Add	*0.85*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.24*	
		For >960, Deduct	*-0.36*	
09 65 13 13-0004	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.31	1.23
		For Up To 20, Add	*1.63*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.46*	

09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0006	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.51	1.23
		For Up To 20, Add	*1.51*	
		For >20 To 40, Add	*0.84*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.34*	
09 65 13 13-0007	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.75	1.23
		For Up To 20, Add	*1.55*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.25*	
		For >960, Deduct	*-0.38*	
09 65 13 13-0008	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.41	1.23
		For Up To 20, Add	*1.65*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.32*	
		For >960, Deduct	*-0.48*	

09 65 13 13-0009 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0010	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.26	1.48
		For Up To 20, Add	*1.82*	
		For >20 To 40, Add	*1.02*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.28*	
		For >960, Deduct	*-0.42*	
09 65 13 13-0011	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.78	1.23
		For Up To 20, Add	*1.55*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.38*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.24	1.48
		For Up To 20, Add	*1.97*	
		For >20 To 40, Add	*1.11*	
		For >40 To 80, Add	*0.41*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.56*	

09 65 13 23 Resilient Stair Treads And Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread.
All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.03	1.97
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.16	2.12
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	19.56	2.27
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0006		Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*		
09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	14.19	1.97
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	15.20	2.12
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	18.32	2.28
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0010		Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	8.27	1.18
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	16.99	1.82
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	20.10	1.97
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	21.81	2.22
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	12.25	1.80
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	13.51	1.97
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	15.99	2.13
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	6.96	1.18
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.55	0.98
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.30	0.98
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.23	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	1.83	0.88
		For >240 To 960, Deduct	*-0.12*	
		For >960, Deduct	*-0.18*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.70	0.88
		For >240 To 960, Deduct	*-0.11*	
		For >960, Deduct	*-0.16*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.55	0.88
		For >240 To 960, Deduct	*-0.09*	
		For >960, Deduct	*-0.14*	
09 65 13 36-0005		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.07	1.23
		For Up To 20, Add	*1.25*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.21*	
		For >960, Deduct	*-0.31*	
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.07	1.23
		For Up To 20, Add	*1.25*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.21*	
		For >960, Deduct	*-0.31*	
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.56	1.23
		For Up To 20, Add	*1.32*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.39*	
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	5.29	1.23
		For Up To 20, Add	*1.58*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	5.30	1.23
		For Up To 20, Add	*1.58*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.81	1.23
		For Up To 20, Add	*1.36*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.28*	
		For >960, Deduct	*-0.42*	
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	5.18	1.23
		For Up To 20, Add	*1.57*	
		For >20 To 40, Add	*0.91*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.63*	
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	5.33	1.23
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	4.63	1.23
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.86*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.36*	
		For >960, Deduct	*-0.55*	
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	4.98	1.23
		For Up To 20, Add	*1.54*	
		For >20 To 40, Add	*0.89*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.40*	
		For >960, Deduct	*-0.60*	
09 65 13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	5.33	1.23
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	4.57	1.23
		For Up To 20, Add	*1.47*	
		For >20 To 40, Add	*0.85*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.36*	
		For >960, Deduct	*-0.54*	
09 65 13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	4.00	1.23
		For Up To 20, Add	*1.39*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.30*	
		For >960, Deduct	*-0.45*	
09 65 13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	5.45	1.23
		For Up To 20, Add	*1.61*	
		For >20 To 40, Add	*0.94*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	6.76	1.23
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.87*	
09 65 13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	3.91	1.23
		For Up To 20, Add	*1.37*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.44*	
09 65 13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	3.96	1.23
		For Up To 20, Add	*1.38*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.30*	
		For >960, Deduct	*-0.45*	
09 65 13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	4.37	1.23
		For Up To 20, Add	*1.44*	
		For >20 To 40, Add	*0.83*	
		For >40 To 80, Add	*0.32*	
		For >240 To 960, Deduct	*-0.34*	
		For >960, Deduct	*-0.51*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®)	6.82	0.74
		For Up To 40, Add	*3.33*	
		For >40 To 100, Add	*1.66*	
		For >1,000, Deduct	*-0.53*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™)	5.69	0.74
		For Up To 40, Add	*3.10*	
		For >40 To 100, Add	*1.55*	
		For >1,000, Deduct	*-0.42*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®)	3.92	0.74
		For Up To 40, Add	*2.75*	
		For >40 To 100, Add	*1.37*	
		For >1,000, Deduct	*-0.24*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™)	4.91	0.74
		For Up To 40, Add	*2.95*	
		For >40 To 100, Add	*1.47*	
		For >1,000, Deduct	*-0.34*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®)	6.37	0.74
		For Up To 40, Add	*3.24*	
		For >40 To 100, Add	*1.62*	
		For >1,000, Deduct	*-0.49*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®)	8.57	0.74
		For Up To 40, Add	*3.68*	
		For >40 To 100, Add	*1.84*	
		For >1,000, Deduct	*-0.71*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	6.72
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	6.96

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	16.42

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	3.12
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	2.91
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	4.13
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.53

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19		**Resilient Tile Flooring** *(09 65)*			
		Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.			
09 65 19 19		**Vinyl Composition Tile Flooring** *(09 65 19)*			
09 65 19 19-0001		Vinyl Composition Tile (VCT) *(09 65 19 19)*			
		Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.			
09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)		2.88	1.48
		For >1,000 To 3,000, Deduct	*-0.07*		
		For >3,000 To 6,000, Deduct	*-0.18*		
		For >6,000, Deduct	*-0.34*		
		For 3/32" Thick, Deduct	*-0.11*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)		2.88	1.48
		For >1,000 To 3,000, Deduct	*-0.07*		
		For >3,000 To 6,000, Deduct	*-0.18*		
		For >6,000, Deduct	*-0.34*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)		2.88	1.48
		For >1,000 To 3,000, Deduct	*-0.07*		
		For >3,000 To 6,000, Deduct	*-0.18*		
		For >6,000, Deduct	*-0.34*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)		3.88	1.48
		For >1,000 To 3,000, Deduct	*-0.09*		
		For >3,000 To 6,000, Deduct	*-0.22*		
		For >6,000, Deduct	*-0.40*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)		3.89	1.48
		For >1,000 To 3,000, Deduct	*-0.09*		
		For >3,000 To 6,000, Deduct	*-0.22*		
		For >6,000, Deduct	*-0.40*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)		4.08	1.48
		For >1,000 To 3,000, Deduct	*-0.09*		
		For >3,000 To 6,000, Deduct	*-0.23*		
		For >6,000, Deduct	*-0.41*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)		4.11	1.48
		For >1,000 To 3,000, Deduct	*-0.09*		
		For >3,000 To 6,000, Deduct	*-0.23*		
		For >6,000, Deduct	*-0.41*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)		4.23	1.48
		For >1,000 To 3,000, Deduct	*-0.09*		
		For >3,000 To 6,000, Deduct	*-0.23*		
		For >6,000, Deduct	*-0.42*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)		5.33	1.48
		For >1,000 To 3,000, Deduct	*-0.12*		
		For >3,000 To 6,000, Deduct	*-0.28*		
		For >6,000, Deduct	*-0.48*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)		5.76	1.48
		For >1,000 To 3,000, Deduct	*-0.12*		
		For >3,000 To 6,000, Deduct	*-0.29*		
		For >6,000, Deduct	*-0.51*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 19-0012	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)		9.77	1.48
		For >1,000 To 3,000, Deduct	*-0.20*		
		For >3,000 To 6,000, Deduct	*-0.45*		
		For >6,000, Deduct	*-0.75*		
		For Extra Stock, Material Only, Deduct	*-1.74*		
09 65 19 23		**Vinyl Tile Flooring** *(09 65 19)*			
09 65 19 23-0001		Vinyl Tile *(09 65 19 23)*			
		Note: Any size.			
09 65 19 23-0002		Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*			
		Note: The following solid vinyl tiles are certified to ASTM F 1700.			
09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)		6.60	1.48
		For >1,000 To 3,000, Deduct	*-0.14*		
		For >3,000 To 6,000, Deduct	*-0.35*		
		For >6,000, Deduct	*-0.62*		
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)		6.75	1.48
		For >1,000 To 3,000, Deduct	*-0.15*		
		For >3,000 To 6,000, Deduct	*-0.36*		
		For >6,000, Deduct	*-0.63*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	6.85	1.48
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.64*	
09 65 19 23-0006		Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*		
09 65 19 23-0007	SF	2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	8.86	1.48
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.76*	
09 65 19 33		**Rubber Tile Flooring** *(09 65 19)*		
09 65 19 33-0001		Rubber Tile *(09 65 19 33)*		
09 65 19 33-0002		Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*		
09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	13.44	0.88
		For Up To 100, Add	*0.76*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	16.21	0.98
		For Up To 100, Add	*0.91*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	18.08	1.18
		For Up To 100, Add	*1.02*	
09 65 19 43		**Polyester Composition Tile Flooring** *(09 65 19)*		
09 65 19 43-0001		Polyester Composition Floor Tile *(09 65 19 43)* Note: Any size.		
09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	3.95	1.48
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.40*	
		For Extra Stock, Material Only, Deduct	*-1.74*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	4.40	1.48
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.43*	
		For Extra Stock, Material Only, Deduct	*-1.74*	
09 65 23		**Resilient Plank Flooring** *(09 65)* Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001		Vinyl Plank Flooring *(09 65 23)*		
09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.27	0.74
		For Up To 40, Add	*3.02*	
		For >40 To 100, Add	*1.51*	
		For >1,000, Deduct	*-0.38*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.49	0.74
		For Up To 40, Add	*3.26*	
		For >40 To 100, Add	*1.63*	
		For >1,000, Deduct	*-0.50*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.24	0.74
		For Up To 40, Add	*3.41*	
		For >40 To 100, Add	*1.71*	
		For >1,000, Deduct	*-0.57*	
09 65 43		**Linoleum Flooring** *(09 65)* Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001		Linoleum Flooring *(09 65 43)*		
09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	5.05	1.48
09 65 43 00-0003	SF	2.5mm, Linoleum Sheet (Forbo Marmoleum)	3.61	0.74
		For 3.2mm Thickness, Add	*0.42*	
		For 2mm Thickness, Deduct	*-0.20*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	6.73	
09 65 66		**Resilient Athletic Flooring** *(09 65)*		
09 65 66 00-0001		Sheet Goods For Gym *(09 65 66)*		
09 65 66 00-0002	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	7.85	2.95
09 65 66 00-0003	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	8.26	3.05
09 65 66 00-0004	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	8.58	3.15
09 65 66 00-0005	SF	1/8" Rubber Sheet Good For Gym Floor Base	4.91	2.41

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0006	SF	3/16" Rubber Sheet Good For Gym Floor Base	5.55	2.76
09 65 66 00-0007	SF	1/4" Rubber Sheet Good For Gym Floor Base	6.40	2.95
09 65 66 00-0008	SF	3/8" Rubber Sheet Good For Gym Floor Base	7.01	3.15
09 65 66 00-0009	SF	1/2" Rubber Sheet Good For Gym Floor Base	7.43	3.35

09 65 66 00-0010 Interlocking Rubber Flooring *(09 65 66)*

09 65 66 00-0011	SF	3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155) Note: Black with hidden or exposed locks.	23.13	0.69
		For Colors, Add	*2.77*	
09 65 66 00-0012	SF	9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100) Note: Black with hidden or exposed locks.	35.45	0.69
		For Colors, Add	*4.31*	
09 65 66 00-0013	SF	7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100) Note: Black with hidden or exposed locks.	20.66	0.69
		For Colors, Add	*2.46*	
09 65 66 00-0014	SF	9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200) Note: Black with hidden or exposed locks.	24.70	0.69
		For Colors, Add	*2.97*	
09 65 66 00-0015	SF	7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150) Note: Black with hidden or exposed locks.	20.66	0.69
		For Colors, Add	*2.46*	
09 65 66 00-0016	SF	3/8" Interlocking Rubber Tile Flooring	4.20	0.69
09 65 66 00-0017	SF	7/16" Interlocking Rubber Tile Flooring	4.66	0.78
09 65 66 00-0018	SF	1/2" Interlocking Rubber Tile Flooring	4.88	0.86
09 65 66 00-0019	SF	5/8" Interlocking Rubber Tile Flooring	5.20	1.03
09 65 66 00-0020	SF	3/4" Interlocking Rubber Tile Flooring	7.64	1.38
09 65 66 00-0021	SF	1" Interlocking Rubber Tile Flooring	9.92	1.68

09 65 66 00-0022 Polyurethane Floor Systems *(09 65 66)*

See CSI section 09 93 23 53-0022 for game lines.

09 65 66 00-0023	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	16.56	1.97

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 00-0001 Floors Bonded To Concrete *(09 66 13)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 00-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	22.99	2.43
		For Venetian Type Terrazzo, Add	*6.51*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.51*	
		For Colors, Add	*3.25*	
		For Up To 100, Add	*5.29*	
		For >100 To 250, Add	*2.65*	
09 66 13 00-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	23.14	2.43
		For Venetian Type Terrazzo, Add	*6.58*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.58*	
		For Colors, Add	*3.29*	
		For Up To 100, Add	*5.31*	
		For >100 To 250, Add	*2.65*	

09 66 13 00-0004 Floors Not Bonded To Concrete *(09 66 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 00-0005	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	28.75	2.43
		For Venetian Type Terrazzo, Add	*7.88*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.88*	
		For Colors, Add	*3.94*	
		For Up To 100, Add	*6.77*	
		For >100 To 250, Add	*3.39*	
09 66 13 00-0006	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	28.91	2.43
		For Venetian Type Terrazzo, Add	*7.96*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.96*	
		For Colors, Add	*3.98*	
		For Up To 100, Add	*6.79*	
		For >100 To 250, Add	*3.39*	

09 66 13 00-0007 Monolithic Terrazzo *(09 66 13)*

09 66 13 00-0008	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt)	16.20	2.43
		For Venetian Type Terrazzo, Add	*5.74*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.74*	
		For Colors, Add	*2.87*	
		For Up To 100, Add	*3.04*	
		For >100 To 250, Add	*1.52*	

09 66 13 00-0009 Terrazzo Wainscot *(09 66 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0010	SF	Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick	30.04	3.25
		For Venetian Type Terrazzo, Add	*4.21*	
09 66 13 00-0011		**Terrazzo Base** *(09 66 13)*		
09 66 13 00-0012	SF	Terrazzo Base, Cast In Place, 6" Cove Type	32.97	2.63
		For Venetian Type Terrazzo, Add	*9.18*	
09 66 13 00-0013		**Terrazzo Curb** *(09 66 13)*		
09 66 13 00-0014	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	82.90	17.52
		For Venetian Type Terrazzo, Add	*12.25*	
09 66 13 00-0015		**Stairs Cast In Place** *(09 66 13)*		
		Note: Topping applied to concrete or metal.		
09 66 13 00-0016	LF	Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal	30.47	4.86
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 00-0017	LF	Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal	75.42	16.21
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 00-0018	SF	Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal	30.93	4.86
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 00-0019		**Divider Strips** *(09 66 13)*		
09 66 13 00-0020	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	3.89	0.81
09 66 13 00-0021	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	3.59	0.81
09 66 13 00-0022	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	5.93	0.81
09 66 13 00-0023	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	8.51	0.81
09 66 13 00-0024	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	3.81	0.81
09 66 13 00-0025	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	5.43	0.81
09 66 13 00-0026	LF	Vinyl Plastic, Divider Strip For Floor	3.73	0.81
09 66 16		**Terrazzo Floor Tile** *(09 66)*		
09 66 16 00-0001		**Flooring Tiles** *(09 66 16)*		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 00-0002		**Terrazzo Tiles With Non Slip Surface** *(09 66 16 00-0001)*		
09 66 16 00-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	26.91	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	27.53	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	31.90	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	34.19	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	35.84	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0008		**Terrazzo Tile Thin Set** *(09 66 16 00-0001)*		
09 66 16 00-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	26.67	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	28.46	2.45
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0011		**Thin Set Terrazzo Wainscot** *(09 66 16 00-0001)*		
09 66 16 00-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	41.68	5.26
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	47.51	5.26
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0014		Thin Set Terrazzo Base, Gray Cement *(09 66 16 00-0001)*		
09 66 16 00-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	13.96	2.63
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	15.62	2.63
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	16.28	2.63
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	17.12	2.63
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0019		Terrazzo Curbs *(09 66 16 00-0001)*		
09 66 16 00-0020	LF	8" x 8" Curb, Terrazzo Tile	27.83	3.50
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0021	LF	6" x 6" Curb, Terrazzo Tile	27.00	3.50
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 00-0001)*		
09 66 16 00-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	68.37	3.50
09 66 16 00-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	58.38	3.50
09 66 16 00-0025	LF	2" Precast Terrazzo Straight Stair Tread	51.72	3.50
09 66 16 00-0026	LF	2" Precast Terrazzo Curved Stair Tread	60.59	3.50
09 66 16 00-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 00-0001)*		
09 66 16 00-0028	LF	1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	30.93	2.63
09 66 16 00-0029	LF	1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	35.92	2.63
09 66 16 00-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 00-0001)*		
09 66 16 00-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	45.61	2.63
09 66 16 00-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	48.94	2.63
09 66 16 00-0033		Tread And Riser *(09 66 16)*		
09 66 16 00-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 00-0033)*		
09 66 16 00-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	76.30	7.01
09 66 16 00-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	92.12	7.01
09 66 16 00-0037		Structural Non-Slip Landings *(09 66 16 00-0033)*		
09 66 16 00-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip	54.98	3.50
09 66 16 00-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non Slip	67.72	3.50
09 66 16 00-0040		Combined Tread And Riser *(09 66 16 00-0033)*		
09 66 16 00-0041		Straight Sections *(09 66 16 00-0040)*		
09 66 16 00-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	120.17	7.01
09 66 16 00-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	143.47	7.01
09 66 16 00-0044		Curved Sections *(09 66 16 00-0040)*		
09 66 16 00-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	150.71	7.01
09 66 16 00-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	190.66	7.01
09 66 23		**Resinous Matrix Terrazzo Flooring *(09 66)***		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring *(09 66 23)***		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	22.08	2.43
09 66 33		**Conductive Terrazzo Flooring *(09 66)***		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo *(09 66 33)***		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	23.74	4.38
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	43.31	4.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	18.13	4.38
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	31.28	4.38
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	20.24	4.38
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	38.98	4.38
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	29.46	4.38
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	33.40	4.38

09 67 Fluid-Applied Flooring *(09 60)*

09 67 16 Epoxy-Marble Chip Flooring *(09 67)*

09 67 16 00-0001 Epoxy Marble Chip Flooring *(09 67 16)*

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	12.09	2.43
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	12.76	2.43
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	

09 67 29 Epoxy Flooring *(09 67)*

09 67 29 00-0001 Epoxy Flooring *(09 67 29)*

Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.

09 67 29 00-0002	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI)	10.04	5.51
		For Skid Resistant Abrasive Sand Finish, Add	*0.04*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.04*	
		For Up To 500, Add	*1.86*	
		For >500 To 1,000, Add	*1.18*	
		For >1,000 To 2,000, Add	*0.59*	
09 67 29 00-0003	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	14.32	5.51
		For Skid Resistant Abrasive Sand Finish, Add	*0.08*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.08*	
		For Up To 500, Add	*2.93*	
		For >500 To 1,000, Add	*1.82*	
		For >1,000 To 2,000, Add	*0.91*	
09 67 29 00-0004	SF	Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI)	11.35	6.16
		For Skid Resistant Abrasive Sand Finish, Add	*0.04*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.04*	
		For Up To 500, Add	*2.10*	
		For >500 To 1,000, Add	*1.33*	
		For >1,000 To 2,000, Add	*0.67*	
09 67 29 00-0005	SF	Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	16.26	6.16
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
		For Up To 500, Add	*3.32*	
		For >500 To 1,000, Add	*2.07*	
		For >1,000 To 2,000, Add	*1.03*	
09 67 29 00-0006	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI)	12.68	6.89
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.36*	
		For >500 To 1,000, Add	*1.50*	
		For >1,000 To 2,000, Add	*0.75*	
09 67 29 00-0007	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	17.89	6.89
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
		For Up To 500, Add	*3.66*	
		For >500 To 1,000, Add	*2.28*	
		For >1,000 To 2,000, Add	*1.14*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0003	SY	18 Ounce, Non Patterned, Nylon Carpet Tile	35.63	5.92
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.63*	
		For >600 To 900, Deduct	*-1.27*	
		For >900 To 1,500, Deduct	*-1.91*	
		For >1,500 To 2,200, Deduct	*-2.84*	
		For >2,200 To 3,500, Deduct	*-3.73*	
		For >3,500, Deduct	*-4.62*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0004	SY	20 Ounce, Non Patterned, Nylon Carpet Tile	36.92	5.92
		For >200 To 400, Deduct	*-0.45*	
		For >400 To 600, Deduct	*-0.67*	
		For >600 To 900, Deduct	*-1.34*	
		For >900 To 1,500, Deduct	*-2.00*	
		For >1,500 To 2,200, Deduct	*-2.97*	
		For >2,200 To 3,500, Deduct	*-3.89*	
		For >3,500, Deduct	*-4.81*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0005	SY	22 Ounce, Non Patterned, Nylon Carpet Tile	40.98	5.92
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.79*	
		For >600 To 900, Deduct	*-1.54*	
		For >900 To 1,500, Deduct	*-2.29*	
		For >1,500 To 2,200, Deduct	*-3.37*	
		For >2,200 To 3,500, Deduct	*-4.40*	
		For >3,500, Deduct	*-5.42*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile	44.95	5.92
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.74*	
		For >900 To 1,500, Deduct	*-2.57*	
		For >1,500 To 2,200, Deduct	*-3.77*	
		For >2,200 To 3,500, Deduct	*-4.89*	
		For >3,500, Deduct	*-6.02*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile	47.27	5.92
		For >200 To 400, Deduct	*-0.66*	
		For >400 To 600, Deduct	*-0.98*	
		For >600 To 900, Deduct	*-1.86*	
		For >900 To 1,500, Deduct	*-2.73*	
		For >1,500 To 2,200, Deduct	*-4.00*	
		For >2,200 To 3,500, Deduct	*-5.18*	
		For >3,500, Deduct	*-6.37*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile	49.65	5.92
		For >200 To 400, Deduct	*-0.70*	
		For >400 To 600, Deduct	*-1.05*	
		For >600 To 900, Deduct	*-1.98*	
		For >900 To 1,500, Deduct	*-2.90*	
		For >1,500 To 2,200, Deduct	*-4.24*	
		For >2,200 To 3,500, Deduct	*-5.48*	
		For >3,500, Deduct	*-6.72*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile	50.35	5.92
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.01*	
		For >900 To 1,500, Deduct	*-2.94*	
		For >1,500 To 2,200, Deduct	*-4.31*	
		For >2,200 To 3,500, Deduct	*-5.57*	
		For >3,500, Deduct	*-6.83*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile	50.79	5.92
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-2.98*	
		For >1,500 To 2,200, Deduct	*-4.35*	
		For >2,200 To 3,500, Deduct	*-5.62*	
		For >3,500, Deduct	*-6.89*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile	51.16	5.92
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.05*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.39*	
		For >2,200 To 3,500, Deduct	*-5.67*	
		For >3,500, Deduct	*-6.95*	
		For Cushion Backed Tile, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile	52.43	5.92
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.11*	
		For >900 To 1,500, Deduct	*-3.09*	
		For >1,500 To 2,200, Deduct	*-4.52*	
		For >2,200 To 3,500, Deduct	*-5.83*	
		For >3,500, Deduct	*-7.14*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile	54.94	5.92
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.24*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.77*	
		For >2,200 To 3,500, Deduct	*-6.14*	
		For >3,500, Deduct	*-7.52*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile	57.64	5.92
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.37*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.04*	
		For >2,200 To 3,500, Deduct	*-6.48*	
		For >3,500, Deduct	*-7.92*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non Patterned, Nylon Carpet Tile	62.82	5.92
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.63*	
		For >900 To 1,500, Deduct	*-3.82*	
		For >1,500 To 2,200, Deduct	*-5.56*	
		For >2,200 To 3,500, Deduct	*-7.13*	
		For >3,500, Deduct	*-8.70*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non Patterned Carpet Tiles	14.24	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	36.70	5.92
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.62*	
		For >600 To 900, Deduct	*-1.28*	
		For >900 To 1,500, Deduct	*-1.93*	
		For >1,500 To 2,200, Deduct	*-2.87*	
		For >2,200 To 3,500, Deduct	*-3.79*	
		For >3,500, Deduct	*-4.71*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	37.39	5.92
		For >200 To 400, Deduct	*-0.43*	
		For >400 To 600, Deduct	*-0.64*	
		For >600 To 900, Deduct	*-1.31*	
		For >900 To 1,500, Deduct	*-1.98*	
		For >1,500 To 2,200, Deduct	*-2.94*	
		For >2,200 To 3,500, Deduct	*-3.88*	
		For >3,500, Deduct	*-4.81*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	38.69	5.92
		For >200 To 400, Deduct	*-0.46*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.38*	
		For >900 To 1,500, Deduct	*-2.07*	
		For >1,500 To 2,200, Deduct	*-3.07*	
		For >2,200 To 3,500, Deduct	*-4.04*	
		For >3,500, Deduct	*-5.01*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	42.82	5.92
		For >200 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 900, Deduct	*-1.58*	
		For >900 To 1,500, Deduct	*-2.36*	
		For >1,500 To 2,200, Deduct	*-3.49*	
		For >2,200 To 3,500, Deduct	*-4.56*	
		For >3,500, Deduct	*-5.63*	
		For Cushion Backed Tile, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	46.85	5.92
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.93*	
		For >600 To 900, Deduct	*-1.78*	
		For >900 To 1,500, Deduct	*-2.64*	
		For >1,500 To 2,200, Deduct	*-3.89*	
		For >2,200 To 3,500, Deduct	*-5.06*	
		For >3,500, Deduct	*-6.23*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	49.20	5.92
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.00*	
		For >600 To 900, Deduct	*-1.90*	
		For >900 To 1,500, Deduct	*-2.81*	
		For >1,500 To 2,200, Deduct	*-4.12*	
		For >2,200 To 3,500, Deduct	*-5.35*	
		For >3,500, Deduct	*-6.58*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	51.62	5.92
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.02*	
		For >900 To 1,500, Deduct	*-2.98*	
		For >1,500 To 2,200, Deduct	*-4.37*	
		For >2,200 To 3,500, Deduct	*-5.66*	
		For >3,500, Deduct	*-6.95*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	52.33	5.92
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.06*	
		For >900 To 1,500, Deduct	*-3.03*	
		For >1,500 To 2,200, Deduct	*-4.44*	
		For >2,200 To 3,500, Deduct	*-5.74*	
		For >3,500, Deduct	*-7.05*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	52.78	5.92
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-2.08*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.48*	
		For >2,200 To 3,500, Deduct	*-5.80*	
		For >3,500, Deduct	*-7.12*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	53.15	5.92
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.10*	
		For >900 To 1,500, Deduct	*-3.08*	
		For >1,500 To 2,200, Deduct	*-4.52*	
		For >2,200 To 3,500, Deduct	*-5.85*	
		For >3,500, Deduct	*-7.18*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	54.44	5.92
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.16*	
		For >900 To 1,500, Deduct	*-3.17*	
		For >1,500 To 2,200, Deduct	*-4.65*	
		For >2,200 To 3,500, Deduct	*-6.01*	
		For >3,500, Deduct	*-7.37*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	56.99	5.92
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.29*	
		For >900 To 1,500, Deduct	*-3.35*	
		For >1,500 To 2,200, Deduct	*-4.90*	
		For >2,200 To 3,500, Deduct	*-6.33*	
		For >3,500, Deduct	*-7.75*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	59.73	5.92
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.43*	
		For >900 To 1,500, Deduct	*-3.54*	
		For >1,500 To 2,200, Deduct	*-5.18*	
		For >2,200 To 3,500, Deduct	*-6.67*	
		For >3,500, Deduct	*-8.16*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	64.98	5.92
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.69*	
		For >900 To 1,500, Deduct	*-3.91*	
		For >1,500 To 2,200, Deduct	*-5.70*	
		For >2,200 To 3,500, Deduct	*-7.33*	
		For >3,500, Deduct	*-8.95*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	16.34	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	55.49	5.92
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.19*	
		For >600 To 900, Deduct	*-2.22*	
		For >900 To 1,500, Deduct	*-3.25*	
		For >1,500 To 2,200, Deduct	*-4.75*	
		For >2,200 To 3,500, Deduct	*-6.14*	
		For >3,500, Deduct	*-7.53*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Pads *(09 68 16 00-0001)*

09 68 16 00-0003	SY	Foam Rubber Carpet Padding	6.44	2.49
09 68 16 00-0004	SY	Sponge Rubber Carpet Cushion	6.29	2.49
09 68 16 00-0005	SY	Urethane Carpet Cushion 1/4" Thick	6.43	2.49
09 68 16 00-0006	SY	Urethane Carpet Cushion 3/8" Thick	7.05	2.49
09 68 16 00-0007	SY	7/16" Thick, Rebonded, 6 LB/CF	6.55	2.49
09 68 16 00-0008	SY	3/8" Thick, Rebonded, 7 LB/CF	6.83	2.49
09 68 16 00-0009	SY	1/2" Thick, Rebonded, 8 LB/CF	7.23	2.49

09 68 16 00-0010 Residential Broadloom Carpet *(09 68 16)*

Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.

09 68 16 00-0011	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	26.59	6.64
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.96*	
		For Up To 15, Add	*3.41*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.29*	
		For >600 To 900, Deduct	*-0.73*	
		For >900, Deduct	*-1.18*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0012	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	28.83	6.64
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.96*	
		For Up To 15, Add	*3.41*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.24*	
		For >400 To 600, Deduct	*-0.35*	
		For >600 To 900, Deduct	*-0.84*	
		For >900, Deduct	*-1.34*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0013	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	31.92	6.64
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.96*	
		For Up To 15, Add	*3.41*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.30*	
		For >400 To 600, Deduct	*-0.45*	
		For >600 To 900, Deduct	*-1.00*	
		For >900, Deduct	*-1.55*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0014	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	35.15	6.64
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.96*	
		For Up To 15, Add	*3.41*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-1.16*	
		For >900, Deduct	*-1.78*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0015	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	35.71	6.64
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.96*	
		For Up To 15, Add	*3.41*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.56*	
		For >600 To 900, Deduct	*-1.19*	
		For >900, Deduct	*-1.82*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0016	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	37.15	7.31
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.13*	
		For Up To 15, Add	*3.64*	
		For >15 To 33, Add	*1.82*	
		For >200 To 400, Deduct	*-0.38*	
		For >400 To 600, Deduct	*-0.57*	
		For >600 To 900, Deduct	*-1.22*	
		For >900, Deduct	*-1.87*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0017	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	38.11	7.31
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.13*	
		For Up To 15, Add	*3.64*	
		For >15 To 33, Add	*1.82*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.60*	
		For >600 To 900, Deduct	*-1.27*	
		For >900, Deduct	*-1.94*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0018	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	40.50	7.31
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.13*	
		For Up To 15, Add	*3.64*	
		For >15 To 33, Add	*1.82*	
		For >200 To 400, Deduct	*-0.45*	
		For >400 To 600, Deduct	*-0.67*	
		For >600 To 900, Deduct	*-1.39*	
		For >900, Deduct	*-2.11*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0019	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	40.78	7.31
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.13*	
		For Up To 15, Add	*3.64*	
		For >15 To 33, Add	*1.82*	
		For >200 To 400, Deduct	*-0.45*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.40*	
		For >900, Deduct	*-2.13*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0020	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	41.90	7.31
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.13*	
		For Up To 15, Add	*3.64*	
		For >15 To 33, Add	*1.82*	
		For >200 To 400, Deduct	*-0.47*	
		For >400 To 600, Deduct	*-0.71*	
		For >600 To 900, Deduct	*-1.46*	
		For >900, Deduct	*-2.21*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0021 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0022 Non-Patterned Broadloom Carpet *(09 68 16 00-0021)*

09 68 16 00-0023	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	32.28	24.26
		For Up To 15, Add	*3.23*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-1.05*	
		For >900, Deduct	*-1.61*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0024	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	32.28	24.26
		For Up To 15, Add	*3.23*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-1.05*	
		For >900, Deduct	*-1.61*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0025	SY	26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	32.28	24.26
		For Up To 15, Add	*3.23*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-1.05*	
		For >900, Deduct	*-1.61*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0026	SY	28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	34.98	26.29
		For Up To 15, Add	*3.50*	
		For >15 To 33, Add	*1.75*	
		For >200 To 400, Deduct	*-0.35*	
		For >400 To 600, Deduct	*-0.52*	
		For >600 To 900, Deduct	*-1.14*	
		For >900, Deduct	*-1.75*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0027	SY	30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	35.48	26.29
		For Up To 15, Add	*3.50*	
		For >15 To 33, Add	*1.75*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-1.16*	
		For >900, Deduct	*-1.78*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0028	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	35.56	26.29
		For Up To 15, Add	*3.50*	
		For >15 To 33, Add	*1.75*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-1.16*	
		For >900, Deduct	*-1.79*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0029	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	38.88	28.31
		For Up To 15, Add	*3.77*	
		For >15 To 33, Add	*1.89*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.60*	
		For >600 To 900, Deduct	*-1.28*	
		For >900, Deduct	*-1.97*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0030	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	39.23	28.31
		For Up To 15, Add	*3.77*	
		For >15 To 33, Add	*1.89*	
		For >200 To 400, Deduct	*-0.41*	
		For >400 To 600, Deduct	*-0.61*	
		For >600 To 900, Deduct	*-1.30*	
		For >900, Deduct	*-1.99*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0031	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	39.67	28.31
		For Up To 15, Add	*3.77*	
		For >15 To 33, Add	*1.89*	
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.62*	
		For >600 To 900, Deduct	*-1.32*	
		For >900, Deduct	*-2.02*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0032 Patterned Broadloom Carpet *(09 68 16 00-0021)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0033	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	34.15	24.26
		For Up To 15, Add	*3.56*	
		For >15 To 33, Add	*1.78*	
		For >200 To 400, Deduct	*-0.33*	
		For >400 To 600, Deduct	*-0.49*	
		For >600 To 900, Deduct	*-1.08*	
		For >900, Deduct	*-1.68*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0034	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	34.15	24.26
		For Up To 15, Add	*3.56*	
		For >15 To 33, Add	*1.78*	
		For >200 To 400, Deduct	*-0.33*	
		For >400 To 600, Deduct	*-0.49*	
		For >600 To 900, Deduct	*-1.08*	
		For >900, Deduct	*-1.68*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0035	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	34.15	24.26
		For Up To 15, Add	*3.56*	
		For >15 To 33, Add	*1.78*	
		For >200 To 400, Deduct	*-0.33*	
		For >400 To 600, Deduct	*-0.49*	
		For >600 To 900, Deduct	*-1.08*	
		For >900, Deduct	*-1.68*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0036	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	37.01	26.29
		For Up To 15, Add	*3.86*	
		For >15 To 33, Add	*1.93*	
		For >200 To 400, Deduct	*-0.35*	
		For >400 To 600, Deduct	*-0.53*	
		For >600 To 900, Deduct	*-1.18*	
		For >900, Deduct	*-1.82*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0037	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	37.51	26.29
		For Up To 15, Add	*3.86*	
		For >15 To 33, Add	*1.93*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.55*	
		For >600 To 900, Deduct	*-1.20*	
		For >900, Deduct	*-1.85*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0038	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	37.60	26.29
		For Up To 15, Add	*3.86*	
		For >15 To 33, Add	*1.93*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.55*	
		For >600 To 900, Deduct	*-1.21*	
		For >900, Deduct	*-1.86*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0039	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	41.07	28.31
		For Up To 15, Add	*4.15*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.41*	
		For >400 To 600, Deduct	*-0.61*	
		For >600 To 900, Deduct	*-1.33*	
		For >900, Deduct	*-2.04*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	41.43	28.31
		For Up To 15, Add	*4.15*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.41*	
		For >400 To 600, Deduct	*-0.62*	
		For >600 To 900, Deduct	*-1.34*	
		For >900, Deduct	*-2.07*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	41.87	28.31
		For Up To 15, Add	*4.15*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.63*	
		For >600 To 900, Deduct	*-1.37*	
		For >900, Deduct	*-2.10*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042		**Indoor/Outdoor Carpet** *(09 68 16)*		
		Note: Includes waterproof glue.		
09 68 16 00-0043	SY	Nylon Indoor/Outdoor Carpet	32.17	4.99
09 68 16 00-0044	SY	Ozite Indoor/Outdoor Carpet	26.79	4.99
09 68 16 00-0045		**Carpet Accessories** *(09 68 16)*		
09 68 16 00-0046	LF	Metal Carpet Saddle Strip, Up To 4" Wide	4.31	0.68
09 68 16 00-0047		**Removal And Reinstallation Of Carpet And Pad** *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048	SY	Removal And Reinstallation Of Carpet And Pad	34.11	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0049		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0050		Relocate Partitions, Modular Work Stations *(09 68 16 00-0049)*		
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051	EA	Relocate Modular Work Station	237.66	
09 68 16 00-0052		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0053	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	14.30	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.82*	
		For >15 To 33, Add	*1.41*	
09 68 16 00-0054	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	16.64	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.28*	
		For >15 To 33, Add	*1.64*	
09 68 16 00-0055	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	19.92	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.94*	
		For >15 To 33, Add	*1.97*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		Panels, No Covering *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	10.29	0.68
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	19.25	0.68
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	17.94	0.74
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	17.94	0.74
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	17.94	0.74
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	17.94	0.74
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	16.97	0.74
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	16.97	0.74
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	19.15	0.74
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	19.15	0.74
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808	19.15	0.74
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	19.15	0.74
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	18.19	0.74
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	18.19	0.74
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	23.01	0.74
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	23.01	0.74
09 69 13 00-0018		Pedestals *(09 69 13)*		
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly	23.50	3.39
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly	24.71	3.39
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly	25.32	3.39
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly	27.52	3.39
09 69 13 00-0023		Stringers *(09 69 13)*		
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors	12.71	4.07
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors	21.72	6.11
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors	34.54	10.18
09 69 13 00-0027		Understructure *(09 69 13)*		
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	5.03	1.02

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001		Accessories *(09 69 53)*		
09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	38.12	4.76
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors	16.45	4.76
09 69 53 00-0004	EA	Machine Cutouts	126.56	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia	27.85	2.24
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	30.55	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	30.55	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	123.33	8.49
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	88.69	8.49
		Note: Includes cut hole.		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	123.33	8.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	61.53	1.35
09 69 53 00-0012		**Final Cleaning For Computer Room Raised Floor System** *(09 69 53)* Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	2.31	
09 69 53 00-0014	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	2.38	
09 69 53 00-0015	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	2.35	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001		**Cork Wall Covering** *(09 72 13)*		
09 72 13 00-0002	SF	1/8" Cork Wall Covering	4.41	0.82
09 72 13 00-0003	SF	1/4" Cork Wall Covering	5.22	0.82
09 72 13 00-0004	SF	1/2" Cork Wall Covering	5.87	0.82
09 72 13 00-0005	SF	3/4" Cork Wall Covering	7.76	0.82

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 00-0001		**Vinyl Wall Coverings** *(09 72 16)* Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 00-0002	SF	Vinyl Wall Covering, 7-10 Oz/SY	2.27	0.82
		For Owner Furnished Material, Deduct	*-0.99*	
09 72 16 00-0003	SF	Vinyl Wall Covering, 11-14 Oz/SY	2.81	0.82
		For Owner Furnished Material, Deduct	*-1.44*	
09 72 16 00-0004	SF	Vinyl Wall Covering, 20-25 Oz/SY	3.79	0.82
		For Owner Furnished Material, Deduct	*-2.08*	
09 72 16 00-0005	SF	Vinyl Wall Covering, 26-32 Oz/SY	4.32	0.82
		For Owner Furnished Material, Deduct	*-2.53*	
09 72 16 00-0006	SF	Vinyl Wall Covering, 33-38 Oz/SY	3.74	0.82
		For Owner Furnished Material, Deduct	*-1.87*	

09 72 19 Textile Wall Coverings *(09 72)*

09 72 19 00-0001		**Wall Fabrics** *(09 72 19)*		
09 72 19 00-0002	SF	Wall Covering, Natural Fabric, Grass Cloth	4.20	0.82
09 72 19 00-0003	SF	Wall Covering, Grass Cloth	4.54	0.82
09 72 19 00-0004	SF	Wall Covering, Burlap	3.65	0.82
09 72 19 00-0005	SF	Flexible Gypsum Coated Wall Fabric, Fire Resistant	2.91	0.82
09 72 19 00-0006	SF	Acoustical Wall Cover	5.13	0.82
09 72 19 00-0007		**Natural Fiber Resilient Wallcovering** *(09 72 19)*		
09 72 19 00-0008	SY	Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths)	56.85	4.76
		For Fire Rated Adhesive, UBC 42-2, Add	*0.11*	

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001		**Wallpaper Coverings** *(09 72 23)* Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.00	1.09
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	3.24	1.40
09 72 23 00-0004	SF	Ceiling Paper	3.15	2.05

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001		**Carpet Wall Covering** *(09 73)*		
09 73 00 00-0002	SY	Nylon 28 Oz Carpet Wall Covering	31.45	10.18
09 73 00 00-0003	SY	Nylon 32 Oz Carpet Wall Covering	32.12	10.18
09 73 00 00-0004	SY	Nylon 34 Oz Carpet Wall Covering	34.81	11.21
09 73 00 00-0005	SY	Nylon 35 Oz Carpet Wall Covering	36.85	11.88
09 73 00 00-0006	SY	Nylon 36 Oz Carpet Wall Covering	38.93	12.56
09 73 00 00-0007	SY	Nylon 38 Oz Carpet Wall Covering	39.74	12.56
09 73 00 00-0008	SY	Nylon 40 Oz Carpet Wall Covering	41.31	12.90
09 73 00 00-0009	SY	Nylon 42 Oz Carpet Wall Covering	43.02	13.24

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 74 16 00-0001		**Walnut** *(09 74 16)*		
09 74 16 00-0002	SF	Walnut 1/32 In Thick Flexible Wood Veneer	8.22	3.30
09 74 16 00-0003		**Exotic Wood** *(09 74 16)*		
09 74 16 00-0004	SF	Exotic Wood 1/32 Thick, Flexible Wood Veneer	10.06	3.30

09 77 Special Wall Surfacing *(09 70)*

09 77 11 Special Wall Panels *(09 77)*

09 77 11 00-0001		**Corian Wall Panels** *(09 77 11)*		
09 77 11 00-0002		**Wall Panels** *(09 77 11 00-0001)*		
09 77 11 00-0003	SF	1/4" Corian Wall Panels, Sea Grass	27.26	4.64
		For >500, Deduct	*1.80*	
09 77 11 00-0004	SF	1/4" Corian Wall Panels, Aqua	32.21	4.64
		For >500, Deduct	*2.30*	
09 77 11 00-0005	SF	1/4" Corian Wall Panels, Everest	34.25	4.64
		For >500, Deduct	*2.50*	
09 77 11 00-0006		**Corian Corner Guards For Wall Panels** *(09 77 11 00-0001)*		
09 77 11 00-0007	SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	70.50	3.71
09 77 11 00-0008	SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	75.97	3.71
09 77 11 00-0009	SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	68.87	3.71

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001		**Sound Attenuation Fire Blankets (SAFB)** *(09 81 16)*		
09 81 16 00-0002		**2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB)** *(09 81 16 00-0001)*		
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.48	0.28
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.56	0.28
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.69	0.28
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.79	0.28
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.91	0.28
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.03	0.28
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.19	0.28
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.37	0.28
09 81 16 00-0011		**4 PCF Density, Sound Attenuation Fire Blankets (SAFB)** *(09 81 16 00-0001)*		
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.45	0.28
09 81 16 00-0013		**Sound Attenuation Batts** *(09 81 16)* Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	0.92	0.37
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	0.97	0.37
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.00	0.37
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	1.09	0.37
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.12	0.37
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	1.11	0.37
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.14	0.37

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001		**Sound Absorbing Panels And Attenuation Blankets** *(09 84 13)* Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	9.20	1.85
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	13.47	1.85
09 84 13 00-0004		**Sound Absorbing Acoustical Wall Panel System** *(09 84 13)* See CSI section 06 11 16 00-0194 for wood furring.		
09 84 13 00-0005		**Fiberglass, Sound Absorbing Wall Panel System** *(09 84 13 00-0004)* Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.		
09 84 13 00-0006	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	12.16	2.08
09 84 13 00-0007	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	14.51	2.08

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0008		**Sound Absorbing Panel, Eggcrate Style** *(09 84 13)* Note: Ceiling or wall hung back.		
09 84 13 00-0009	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	9.70	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0010	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	13.03	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0011	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	17.30	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0012	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	12.95	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0013	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	23.04	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0014	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	29.46	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 85 Acoustic Sound Deadening *(09 80)*

09 85 00 00-0001 Sound Deadening Fiberboard *(09 85)*

09 85 00 00-0002	SF	1/2" Sound Deadening Fiberboard	1.45	0.46
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.42*	
		For Horizontal Installation Up To 10' High, Add	*0.29*	
		For Horizontal Installation >10' High, Add	*0.42*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.27*	

09 90 Painting And Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0005	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush Work	1.73	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0007	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0008	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0009	SF	Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0010	SF	Paint Exterior Brick Walls, 1 Coat Paint, Sprayed	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0011	SF	Paint Exterior Brick Walls, 2 Coats Paint, Sprayed	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0012 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0013	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0015	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20', Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0016	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0017	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0018	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work	1.10	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0019	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0020	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed	0.39	
		For Oil Based Paint, Add	*0.02*	
		For Epoxy Paint, Add	*0.05*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0022		Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*		
09 91 13 00-0023		Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0022)*		
09 91 13 00-0024	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.98	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0025	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	1.13	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0026	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.97	
		For Work >20', Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0027	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.79	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0028	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.88	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0029	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.55	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0030	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.56	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.63	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0032	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	1.19	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0022)*

09 91 13 00-0034	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0035	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0036	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	1.96	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0037	SF	Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0038	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0040	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.54	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0041	SF	Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0042	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0043	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0044	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0045	SF	Paint Exterior Concrete Block Walls, Texture Coat, Sprayed	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0048	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work	0.81	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0049	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.21*	
		For Work >20', Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0050	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0051	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0052	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0053	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0055	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

09 91 13 00-0056 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0057 Paint Exterior Galvanized Walls *(09 91 13 00-0056)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0058	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work	0.81	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0059	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	0.91	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0060	SF	Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.62	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0061	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work	0.60	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0062	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work	0.70	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.28	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0064	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed	0.38	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 13 00-0065	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed	0.55	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0066	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed	0.88	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 13 00-0067 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0056)*

Note: Alkyd enamel paint.

09 91 13 00-0068	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work	0.81	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0069	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.91	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0070	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.62	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0071	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work	0.62	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0072	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.73	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0073	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.34	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0074	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.44	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0075	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.55	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0076	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	0.88	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0056)*

09 91 13 00-0078	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack	10.41	
		For Work >20', Add	*2.47*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*7.48*	
		For >100 To 250, Add	*3.51*	
		For >250 To 500, Add	*1.51*	
		For >2,500 To 5,000, Deduct	*-0.52*	
		For >5,000 To 10,000, Deduct	*-1.04*	
		For >10,000 To 20,000, Deduct	*-1.56*	
		For >20,000, Deduct	*-2.08*	
09 91 13 00-0079	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack	11.58	
		For Work >20', Add	*2.74*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*8.31*	
		For >100 To 250, Add	*3.90*	
		For >250 To 500, Add	*1.68*	
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000 To 10,000, Deduct	*-1.16*	
		For >10,000 To 20,000, Deduct	*-1.74*	
		For >20,000, Deduct	*-2.32*	
09 91 13 00-0080	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack	21.70	
		For Work >20', Add	*5.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*15.62*	
		For >100 To 250, Add	*7.32*	
		For >250 To 500, Add	*3.15*	
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000 To 10,000, Deduct	*-2.17*	
		For >10,000 To 20,000, Deduct	*-3.26*	
		For >20,000, Deduct	*-4.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0081 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0056)*

09 91 13 00-0082	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.49	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0083	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.72	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0084	SF	Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.13	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 13 00-0085 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0086	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work	1.24	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0087	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0088	SF	Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.53	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0089	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work	0.93	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0091	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.93	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0092	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0093	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0094	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 13 00-0095 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0096 Paint Exterior Smooth Wood Siding *(09 91 13 00-0095)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0097	SF	Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0098	SF	Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0099	SF	Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0100	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0101	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0102	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0103	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0104	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0105	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

09 91 13 00-0106 Paint Exterior Rough Wood Siding *(09 91 13 00-0095)*

Note: Includes shingles, shakes or rough sawn siding.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0107	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work	1.41	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	2.60	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work	2.36	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.66	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 13 00-0116 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0124	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0125	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed	1.17	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	

09 91 13 00-0126 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0127 Paint Exterior Concrete Ceilings *(09 91 13 00-0126)*

09 91 13 00-0128	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0129	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0130	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.13*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0132	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0133	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0134	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0135	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0136	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 13 00-0137 Drywall/Plaster *(09 91 13 00-0126)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0139	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0140	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.60	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.23*	
		For Epoxy Paint, Add	*0.13*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0141	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0142	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0143	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0145	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0146	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 13 00-0147 Paint Exterior Wood Ceilings *(09 91 13 00-0126)*

09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0147)*

09 91 13 00-0149	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0150	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0151	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.89	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0152	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0154	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0155	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0156	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0157	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0158		Paint Exterior Rough Wood Ceilings *(09 91 13 00-0147)*		
09 91 13 00-0159	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work	1.48	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0160	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.56	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.70	
		For Oil Based Paint, Add	*0.15*	
		For Work >20', Add	*0.61*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0162	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0163	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0164	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	2.46	
		For Oil Based Paint, Add	*0.15*	
		For Work >20', Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0165	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed	1.78	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0168 Paint Exterior Metal Ceilings *(09 91 13 00-0126)*

09 91 13 00-0169 Paint Exterior Galvanized Ceilings *(09 91 13 00-0168)*
Note: Linseed oil or acrylic latex paint.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.91	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.01	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0172	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.83	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0173	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.70	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0174	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.80	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0175	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.38	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0176	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.55	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0177	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.65	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0178	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0179 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0168)*

Note: Alkyd enamel paint.

09 91 13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.91	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.01	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.83	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.73	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0184	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.83	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0185	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.44	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0186	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.55	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.55	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0188	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0168)*

09 91 13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.61	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	0.72	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.27	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 13 00-0193 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0194 Paint Exterior Concrete Floors *(09 91 13 00-0193)*

09 91 13 00-0195	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0196	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0198	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0199	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0200	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0201	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.34	
		For Oil Based Paint, Add	*0.02*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 13 00-0202	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0203	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0204	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work	1.38	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0205	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work	3.07	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0206	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work	3.77	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.57*	
		For >20,000, Deduct	*-0.75*	

09 91 13 00-0207 Paint Exterior Wood Floors *(09 91 13 00-0193)*

09 91 13 00-0208	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0209	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0210	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0211	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0212	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0213	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0214	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0215	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0216	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0217	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.49	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0218	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	3.88	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.58*	
		For >20,000, Deduct	*-0.78*	

09 91 13 00-0219 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0220 Paint Exterior Door Frames *(09 91 13 00-0219)*

09 91 13 00-0221	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.05	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.27*	
09 91 13 00-0222	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.37	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.35*	
09 91 13 00-0223	LF	Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.32	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.60*	
09 91 13 00-0224	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.02	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.26*	
09 91 13 00-0225	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.34	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.34*	
09 91 13 00-0226	LF	Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.27	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.58*	

09 91 13 00-0227 Paint Exterior Metal Doors *(09 91 13 00-0219)*

09 91 13 00-0228	EA	Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	36.09	
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For Electrostatic Painting, Add	*4.58*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.61*	
		For >25, Deduct	*-5.41*	
09 91 13 00-0229	EA	Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	36.09	
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For Electrostatic Painting, Add	*4.58*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.61*	
		For >25, Deduct	*-5.41*	
09 91 13 00-0230	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	62.88	
		For Half Louvered Door, Add	*7.50*	
		For Full Louvered Door, Add	*12.50*	
		For Electrostatic Painting, Add	*8.22*	
		For >5 To 10, Deduct	*-3.14*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.43*	
09 91 13 00-0231	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	64.73	
		For Half Louvered Door, Add	*7.96*	
		For Full Louvered Door, Add	*13.27*	
		For Electrostatic Painting, Add	*8.22*	
		For >5 To 10, Deduct	*-3.24*	
		For >10 To 25, Deduct	*-6.47*	
		For >25, Deduct	*-9.71*	
09 91 13 00-0232	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	64.73	
		For Half Louvered Door, Add	*7.96*	
		For Full Louvered Door, Add	*13.27*	
		For Electrostatic Painting, Add	*8.22*	
		For >5 To 10, Deduct	*-3.24*	
		For >10 To 25, Deduct	*-6.47*	
		For >25, Deduct	*-9.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0233	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	113.10	
		For Half Louvered Door, Add	*13.47*	
		For Full Louvered Door, Add	*22.45*	
		For Electrostatic Painting, Add	*14.81*	
		For >5 To 10, Deduct	*-5.66*	
		For >10 To 25, Deduct	*-11.31*	
		For >25, Deduct	*-16.97*	
09 91 13 00-0234	EA	Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed	28.38	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For Electrostatic Painting, Add	*3.91*	
		For >5 To 10, Deduct	*-1.42*	
		For >10 To 25, Deduct	*-2.84*	
		For >25, Deduct	*-4.26*	
09 91 13 00-0235	EA	Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed	28.38	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For Electrostatic Painting, Add	*3.91*	
		For >5 To 10, Deduct	*-1.42*	
		For >10 To 25, Deduct	*-2.84*	
		For >25, Deduct	*-4.26*	
09 91 13 00-0236	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed	50.05	
		For Half Louvered Door, Add	*5.38*	
		For Full Louvered Door, Add	*8.97*	
		For Electrostatic Painting, Add	*7.13*	
		For >5 To 10, Deduct	*-2.50*	
		For >10 To 25, Deduct	*-5.01*	
		For >25, Deduct	*-7.51*	
09 91 13 00-0237	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed	50.91	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For Electrostatic Painting, Add	*7.02*	
		For >5 To 10, Deduct	*-2.55*	
		For >10 To 25, Deduct	*-5.09*	
		For >25, Deduct	*-7.64*	
09 91 13 00-0238	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed	50.91	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For Electrostatic Painting, Add	*7.02*	
		For >5 To 10, Deduct	*-2.55*	
		For >10 To 25, Deduct	*-5.09*	
		For >25, Deduct	*-7.64*	
09 91 13 00-0239	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed	90.09	
		For Half Louvered Door, Add	*9.67*	
		For Full Louvered Door, Add	*16.11*	
		For Electrostatic Painting, Add	*12.86*	
		For >5 To 10, Deduct	*-4.50*	
		For >10 To 25, Deduct	*-9.01*	
		For >25, Deduct	*-13.51*	
09 91 13 00-0240	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	2.13	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0241	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	2.17	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0242	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	4.53	
		For Electrostatic Painting, Add	*0.49*	
09 91 13 00-0243	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	2.10	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0244	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.14	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0245	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	4.17	
		For Electrostatic Painting, Add	*0.46*	

09 91 13 00-0246 Paint Exterior Wood Doors *(09 91 13 00-0219)*

09 91 13 00-0247	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	39.28	
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For >5 To 10, Deduct	*-1.96*	
		For >10 To 25, Deduct	*-3.93*	
		For >25, Deduct	*-5.89*	
09 91 13 00-0248	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	39.28	
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For >5 To 10, Deduct	*-1.96*	
		For >10 To 25, Deduct	*-3.93*	
		For >25, Deduct	*-5.89*	
09 91 13 00-0249	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	69.24	
		For Half Louvered Door, Add	*7.50*	
		For Full Louvered Door, Add	*12.50*	
		For >5 To 10, Deduct	*-3.46*	
		For >10 To 25, Deduct	*-6.92*	
		For >25, Deduct	*-10.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0250	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	70.47	
		For Half Louvered Door, Add	*7.96*	
		For Full Louvered Door, Add	*13.27*	
		For >5 To 10, Deduct	*-3.52*	
		For >10 To 25, Deduct	*-7.05*	
		For >25, Deduct	*-10.57*	
09 91 13 00-0251	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	70.47	
		For Half Louvered Door, Add	*7.96*	
		For Full Louvered Door, Add	*13.27*	
		For >5 To 10, Deduct	*-3.52*	
		For >10 To 25, Deduct	*-7.05*	
		For >25, Deduct	*-10.57*	
09 91 13 00-0252	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	124.59	
		For Half Louvered Door, Add	*13.47*	
		For Full Louvered Door, Add	*22.45*	
		For >5 To 10, Deduct	*-6.23*	
		For >10 To 25, Deduct	*-12.46*	
		For >25, Deduct	*-18.69*	
09 91 13 00-0253	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed	31.89	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For >5 To 10, Deduct	*-1.59*	
		For >10 To 25, Deduct	*-3.19*	
		For >25, Deduct	*-4.78*	
09 91 13 00-0254	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed	31.89	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For >5 To 10, Deduct	*-1.59*	
		For >10 To 25, Deduct	*-3.19*	
		For >25, Deduct	*-4.78*	
09 91 13 00-0255	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed	57.06	
		For Half Louvered Door, Add	*5.38*	
		For Full Louvered Door, Add	*8.97*	
		For >5 To 10, Deduct	*-2.85*	
		For >10 To 25, Deduct	*-5.71*	
		For >25, Deduct	*-8.56*	
09 91 13 00-0256	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed	57.22	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.58*	
09 91 13 00-0257	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed	57.22	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.58*	
09 91 13 00-0258	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed	102.73	
		For Half Louvered Door, Add	*9.67*	
		For Full Louvered Door, Add	*16.11*	
		For >5 To 10, Deduct	*-5.14*	
		For >10 To 25, Deduct	*-10.27*	
		For >25, Deduct	*-15.41*	
09 91 13 00-0259	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	2.20	
09 91 13 00-0260	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	2.25	
09 91 13 00-0261	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	4.67	
09 91 13 00-0262	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	2.15	
09 91 13 00-0263	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.22	
09 91 13 00-0264	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	4.31	

09 91 13 00-0265 Paint Exterior Metal Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0266	EA	Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim	70.66	
		For Electrostatic Painting, Add	*7.71*	
		For >5 To 10, Deduct	*-3.53*	
		For >10 To 25, Deduct	*-7.07*	
		For >25, Deduct	*-10.60*	
09 91 13 00-0267	EA	>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim	83.20	
		For Electrostatic Painting, Add	*9.32*	
		For >5 To 10, Deduct	*-4.16*	
		For >10 To 25, Deduct	*-8.32*	
		For >25, Deduct	*-12.48*	
09 91 13 00-0268	EA	>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim	111.52	
		For Electrostatic Painting, Add	*12.57*	
		For >5 To 10, Deduct	*-5.58*	
		For >10 To 25, Deduct	*-11.15*	
		For >25, Deduct	*-16.73*	
09 91 13 00-0269	EA	>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim	125.52	
		For Electrostatic Painting, Add	*14.16*	
		For >5 To 10, Deduct	*-6.28*	
		For >10 To 25, Deduct	*-12.55*	
		For >25, Deduct	*-18.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0270	EA	>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim	139.34	
		For Electrostatic Painting, Add	*15.70*	
		For >5 To 10, Deduct	*-6.97*	
		For >10 To 25, Deduct	*-13.93*	
		For >25, Deduct	*-20.90*	
09 91 13 00-0271	SF	>34 SF Window Size, Paint Exterior Metal Window Including Trim	4.42	
		For Electrostatic Painting, Add	*0.50*	

09 91 13 00-0272 Paint Exterior Wood Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over primer.

09 91 13 00-0273	EA	Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim	72.78	
		For >5 To 10, Deduct	*-3.64*	
		For >10 To 25, Deduct	*-7.28*	
		For >25, Deduct	*-10.92*	
09 91 13 00-0274	EA	>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim	86.48	
		For >5 To 10, Deduct	*-4.32*	
		For >10 To 25, Deduct	*-8.65*	
		For >25, Deduct	*-12.97*	
09 91 13 00-0275	EA	>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim	116.17	
		For >5 To 10, Deduct	*-5.81*	
		For >10 To 25, Deduct	*-11.62*	
		For >25, Deduct	*-17.43*	
09 91 13 00-0276	EA	>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim	130.79	
		For >5 To 10, Deduct	*-6.54*	
		For >10 To 25, Deduct	*-13.08*	
		For >25, Deduct	*-19.62*	
09 91 13 00-0277	EA	>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim	145.13	
		For >5 To 10, Deduct	*-7.26*	
		For >10 To 25, Deduct	*-14.51*	
		For >25, Deduct	*-21.77*	
09 91 13 00-0278	SF	>34 SF Window Size, Paint Exterior Wood Window Including Trim	4.87	

09 91 13 00-0279 Paint Exterior Security Screens *(09 91 13 00-0219)*

09 91 13 00-0280	SF	Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work	1.13	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0281	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work	1.22	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0282	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work	1.99	
		For Electrostatic Painting, Add	*0.22*	

09 91 13 00-0283 Paint Exterior Window Guards *(09 91 13 00-0219)*

09 91 13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.13	
09 91 13 00-0285	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.22	
09 91 13 00-0286	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.99	

09 91 13 00-0287 Paint Exterior Window Trim *(09 91 13 00-0219)*

09 91 13 00-0288	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.08	
09 91 13 00-0289	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.08	
09 91 13 00-0290	LF	Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.27	
09 91 13 00-0291	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.06	
09 91 13 00-0292	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.06	
09 91 13 00-0293	LF	Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.23	

09 91 13 00-0294 Paint Roofing And Trim *(09 91 13)*

09 91 13 00-0295 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0294)*

09 91 13 00-0296	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work	1.46	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0297	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work	2.69	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	

09 91 13 00-0298 Paint Metal Roofing *(09 91 13 00-0294)*

09 91 13 00-0299	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work	0.53	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0300	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work	0.95	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	

09 91 13 00-0301 Paint Fascia Board *(09 91 13 00-0294)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0302	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.59	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0303	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.59	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0304	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	1.05	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	

09 91 13 00-0305 Paint Soffit *(09 91 13 00-0294)*

09 91 13 00-0306	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.68	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0307	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.68	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0308	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	1.17	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	

09 91 13 00-0309 Paint Site Work *(09 91 13)*

Note: Tasks can be used for exterior or interior applications.

09 91 13 00-0310 Paint Structural Steel *(09 91 13 00-0309)*

09 91 13 00-0311 Paint Structural Steel, Brush Work *(09 91 13 00-0310)*

09 91 13 00-0312	SF	Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.78	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0313	SF	Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work	0.68	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.05*	

09 91 13 00-0314 Paint Structural Steel, Spray Work *(09 91 13 00-0310)*

09 91 13 00-0315	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.51	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.04*	
09 91 13 00-0316	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.40	
		For Electrostatic Painting, Add	*0.05*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For Epoxy Paint, Add	*0.04*	

09 91 13 00-0317 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0310)*

09 91 13 00-0318	SF	Paint Exposed Metal Decking, 1 Coat Primer, Sprayed	0.59	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.05*	
09 91 13 00-0319	SF	Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.59	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.05*	
09 91 13 00-0320	SF	Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	0.97	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0321	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work	0.90	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0322	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work	0.91	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0323	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work	1.68	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0324	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed	0.70	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0325	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed	0.70	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0326	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed	1.14	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.11*	

09 91 13 00-0327 Paint Steel Pipes *(09 91 13 00-0309)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0328	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.36	
		For Electrostatic Painting, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0329	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer	1.53	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0330	LF	Paint Steel Pipes 4" Diameter, 1 Coat Primer	1.72	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0331	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	2.15	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0332	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.74	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0333	LF	Paint Conduit, Steel Pipe 1/2"To 1-1/2" Diameter, 1 Coat Paint	1.36	
		For Electrostatic Painting, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0334	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.53	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0335	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.72	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0336	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint	2.15	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0337	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint	2.74	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0338	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.68	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0339	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	3.05	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0340	LF	Paint Steel Pipes 4" Diameter, 2 Coats	3.29	
		For Electrostatic Painting, Add	*0.37*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0341	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	4.16	
		For Electrostatic Painting, Add	*0.46*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0342	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	5.10	
		For Electrostatic Painting, Add	*0.57*	
		For Epoxy Paint, Add	*0.37*	

09 91 13 00-0343 Paint Fencing *(09 91 13 00-0309)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0344	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller	0.67	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0345	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.24	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0346	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.51	
		For Epoxy Paint, Add	*0.05*	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0347	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed	0.94	
		For Epoxy Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0348	SF	Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.58	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0349	SF	Paint Wrought Iron Fence, 1 Coat, Brush/Roller	0.56	
		For Epoxy Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0350	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.37	
		For Epoxy Paint, Add	*0.03*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0351	SF	Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.88	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0352	SF	Paint Picket Fence, 1 Coat, Brush/Roller	0.88	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0353	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.62	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0354	SF	Paint Wood Fences 1 Coat, Brush/Roller	0.61	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0355	SF	Paint Wood Fences 2 Coats, Brush/Roller	1.09	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0356	SF	Paint Wood Fences 1 Coat, Sprayed	0.43	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0357	SF	Paint Wood Fences 2 Coats, Sprayed	0.80	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	

09 91 13 00-0358 Paint Metal Louvers *(09 91 13 00-0309)*

09 91 13 00-0359	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.16	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0360	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.16	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0361	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.36	
		For Electrostatic Painting, Add	*0.26*	

09 91 13 00-0362 Paint Ladders *(09 91 13 00-0309)*

09 91 13 00-0363	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.35	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0364	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.75	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0365	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	7.43	
		For Epoxy Paint, Add	*0.39*	

09 91 13 00-0366 Paint Handrails *(09 91 13 00-0309)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0367	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.29	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0368	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.44	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0369	LF	Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.41	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0370	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.94	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0371	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.17	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0372	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.84	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0373	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.13	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0374	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.38	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0375	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.12	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0376	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.30	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0377	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.45	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0378	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.61	
		For Epoxy Paint, Add	*0.20*	

09 91 13 00-0379 Paint Grating *(09 91 13 00-0309)*

09 91 13 00-0380	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.41	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0381	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.42	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0382	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.58	
		For Epoxy Paint, Add	*0.22*	

09 91 13 00-0383 Other Site Work Painting *(09 91 13 00-0309)*

09 91 13 00-0384 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0383)*

09 91 13 00-0385	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work	2.65	
09 91 13 00-0386	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	2.65	
09 91 13 00-0387	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	4.72	
09 91 13 00-0388	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed	1.47	
09 91 13 00-0389	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	1.48	
09 91 13 00-0390	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed	2.73	

09 91 13 00-0391 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0383)*

09 91 13 00-0392	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work	3.30	
09 91 13 00-0393	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	3.30	
09 91 13 00-0394	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	5.85	
09 91 13 00-0395	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed	1.80	
09 91 13 00-0396	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	1.81	
09 91 13 00-0397	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed	3.34	

09 91 13 00-0398 Paint Flagpoles *(09 91 13 00-0383)*

09 91 13 00-0399	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint	157.94	
09 91 13 00-0400	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	211.52	
09 91 13 00-0401	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	265.13	
09 91 13 00-0402	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	318.74	
09 91 13 00-0403	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	415.03	
09 91 13 00-0404	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	467.28	
09 91 13 00-0405	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	519.54	

09 91 13 00-0406 Paint Lattice Or Trellis *(09 91 13 00-0383)*

09 91 13 00-0407	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.15	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0408	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	2.14	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	

09 91 13 00-0409 Equipment And Tanks *(09 91 13 00-0309)*

09 91 13 00-0410 Valves, Primer And Finish Coats *(09 91 13 00-0409)*

09 91 13 00-0411	EA	Prime And Paint 4" And Smaller Valve	22.60	
09 91 13 00-0412	EA	Prime And Paint 6" To 10" Valve	27.36	
09 91 13 00-0413	EA	Prime And Paint 12" To 18" Valve	36.28	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0414	EA	Prime And Paint 20" To 24" Valve	49.35	
09 91 13 00-0415	EA	Prime And Paint >24" To 36" Valve	67.18	
09 91 13 00-0416	EA	Prime And Paint >36" To 48" Valve	90.39	

09 91 13 00-0417 Pumps And Motors. Primer And Finish Coats *(09 91 13 00-0409)*

09 91 13 00-0418	EA	Prime And Paint Pump Under 1 HP	68.40	
09 91 13 00-0419	EA	Prime And Paint Pump, 1 HP To 5 HP	88.06	
09 91 13 00-0420	EA	Prime And Paint Pump, >5 HP To 10 HP	103.56	
09 91 13 00-0421	EA	Prime And Paint Pump, >10 HP To 20 HP	114.31	
09 91 13 00-0422	EA	Prime And Paint Pump, >20 HP To 30 HP	133.36	
09 91 13 00-0423	EA	Prime And Paint Pump, >30 HP To 50 HP	152.42	
09 91 13 00-0424	EA	Prime And Paint Pump, >50 HP To 75 HP	167.33	
09 91 13 00-0425	EA	Prime And Paint Pump, >75 HP	190.54	

09 91 13 00-0426 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0427 Paint Exterior Concrete Stairs *(09 91 13 00-0426)*

09 91 13 00-0428	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	14.69	
09 91 13 00-0429	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	14.69	
09 91 13 00-0430	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	18.01	
09 91 13 00-0431	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	27.57	
09 91 13 00-0432	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	29.37	

09 91 13 00-0433 Paint Exterior Metal Stairs *(09 91 13 00-0426)*

09 91 13 00-0434	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.39	
		For Oil Based Paint, Add		*0.38*
09 91 13 00-0435	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.39	
		For Oil Based Paint, Add		*0.38*
09 91 13 00-0436	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.81	
		For Oil Based Paint, Add		*0.76*

09 91 13 00-0437 Paint Exterior Wood Stairs *(09 91 13 00-0426)*

09 91 13 00-0438	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.51	
09 91 13 00-0439	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.51	
09 91 13 00-0440	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	10.83	
09 91 13 00-0441	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	20.39	
09 91 13 00-0442	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	15.03	

09 91 13 00-0443 Paint Exterior Stair Nosing *(09 91 13 00-0426)*

09 91 13 00-0444	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.45	

09 91 13 00-0445 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0446 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0445)*

09 91 13 00-0447	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	0.99	
09 91 13 00-0448	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	0.99	
09 91 13 00-0449	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.78	
09 91 13 00-0450	SF	Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.78	
09 91 13 00-0451	SF	Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.88	
09 91 13 00-0452	SF	Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.57	
09 91 13 00-0453	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.45	
09 91 13 00-0454	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	2.02	

09 91 13 00-0455 Paint Exterior Wood Trim *(09 91 13 00-0445)*

09 91 13 00-0456	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.39	
		For Oil Based Paint, Add		*0.08*
09 91 13 00-0457	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.51	
		For Oil Based Paint, Add		*0.09*
09 91 13 00-0458	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.73	
		For Oil Based Paint, Add		*0.16*
09 91 13 00-0459	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.09	
		For Oil Based Paint, Add		*0.06*
09 91 13 00-0460	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.21	
		For Oil Based Paint, Add		*0.07*
09 91 13 00-0461	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.25	
		For Oil Based Paint, Add		*0.13*

09 91 13 00-0462 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0463	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.04	
		For Epoxy Paint, Add		*0.08*
		For Electrostatic Painting, Add		*0.12*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0464	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.00	
		For Epoxy Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.11*	
09 91 13 00-0465	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	2.03	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.22*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

09 91 23 00-0003	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0004	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush Work	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0005	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush Work	1.88	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0006	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0007	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0008	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0009	SF	Paint Interior Brick Walls, 1 Coat Filler, Sprayed	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0010	SF	Paint Interior Brick Walls, 1 Coat Paint, Sprayed	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0011	SF	Paint Interior Brick Walls, 2 Coats Paint, Sprayed	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0012	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work	0.95	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0013	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.77	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0014	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray	0.61	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0015 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0016	SF	Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0017	SF	Paint Interior Concrete Walls, 1 Coat Paint, Brush Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0018	SF	Paint Interior Concrete Walls, 2 Coats Paint, Brush Work	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0019	SF	Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0020	SF	Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0021	SF	Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0022	SF	Paint Interior Concrete Walls, 1 Coat Filler, Sprayed	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0023	SF	Paint Interior Concrete Walls, 1 Coat Paint, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0024	SF	Paint Interior Concrete Walls, 2 Coats Paint, Sprayed	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0025	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work	0.80	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0026	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.64	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0027	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed	0.49	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	

09 91 23 00-0028 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0028)*

09 91 23 00-0030	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	1.07	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0031	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	1.24	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0032	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	2.21	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0033	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.86	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0034	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.96	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0035	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.80	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0036	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.63	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0037	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.77	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0038	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	1.39	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0028)*

09 91 23 00-0040	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0041	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0042	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work	2.14	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0043	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush Work	1.31	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0044	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0045	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0046	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.77	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0047	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0048	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0049	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0050	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0051	SF	Paint Interior Concrete Block Walls, Texture Coat, Sprayed	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0028)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0053	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush	1.04	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0054	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.87	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0055	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed	0.68	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

09 91 23 00-0056 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0057 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0056)*

09 91 23 00-0058	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0059	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0060	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.23*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0061	SF	Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush	2.27	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.32*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0064	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0065	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0066	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0067	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0068		Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0056)*		
09 91 23 00-0069	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.38	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0070	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed	1.49	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0071	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed	1.59	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0072		Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0056)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0073	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed	0.59	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0074	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed	0.71	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0075	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed	1.10	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0076	SF	Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder)	1.32	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

09 91 23 00-0077 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0078 Paint Interior Galvanized Walls *(09 91 23 00-0077)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0079	SF	Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work	0.89	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0080	SF	Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0081	SF	Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.78	
		For Electrostatic Painting, Add	*0.21*	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0082	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work	0.65	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0083	SF	Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work	0.76	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0084	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.40	
		For Electrostatic Painting, Add	*0.16*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0085	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed	0.42	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0086	SF	Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed	0.60	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0087	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed	0.95	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0077)*

Note: Alkyd enamel paint.

09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work	0.89	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0091	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.78	
		For Electrostatic Painting, Add	*0.21*	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0092	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work	0.68	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0093	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.79	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0094	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.46	
		For Electrostatic Painting, Add	*0.18*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0095	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.48	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0096	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.60	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0097	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	0.95	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls *(09 91 23 00-0077)*

09 91 23 00-0099	SF	Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.54	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0100	SF	Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.78	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.22	
		For Electrostatic Painting, Add	*0.16*	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 23 00-0102 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work	1.36	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work	1.50	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.64	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0106	SF	Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0107	SF	Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.15	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0108	SF	Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work	2.11	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0109	SF	Paint Interior Stucco Walls, 1 Coat Primer, Sprayed	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0110	SF	Paint Interior Stucco Walls, 1 Coat Paint, Sprayed	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0111	SF	Paint Interior Stucco Walls, 2 Coats Paint, Sprayed	1.56	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

09 91 23 00-0112 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0113 Interior Wood Walls *(09 91 23 00-0112)*

09 91 23 00-0114	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0115	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work	1.85	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0116	SF	Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work	2.63	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0117	SF	Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0118	SF	Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0119	SF	Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0120	SF	Paint Interior Wood Walls, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0121	SF	Paint Interior Wood Walls, 1 Coat Paint, Sprayed	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0122	SF	Paint Interior Wood Walls, 2 Coats Paint, Sprayed	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 23 00-0123 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0124 Paint Interior Acoustical Ceilings *(09 91 23 00-0123)*

Note: Includes grid.

09 91 23 00-0125	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0126	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work	0.99	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0127	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.75	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0128	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.77	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0129	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0130	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0131	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0132	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0133	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0134 Paint Interior Concrete Ceilings *(09 91 23 00-0123)*

09 91 23 00-0135	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0136	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work	0.99	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0137	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work	1.75	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0138	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0139	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0140	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.41	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0141	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0142	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0143	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work	0.91	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0145	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller	0.69	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0146	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed	0.60	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0123)*

09 91 23 00-0148	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0149	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.99	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.14*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0150	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.75	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.25*	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0151	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.77	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0152	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0153	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0154	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0155	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0156	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0157 Paint Interior Metal Ceilings *(09 91 23 00-0123)*

09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0157)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0159	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0160	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.11	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0161	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work	2.01	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0162	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.76	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0163	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.88	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0164	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.60	
		For Electrostatic Painting, Add	*0.18*	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0165	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.60	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0166	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.72	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0167	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.07	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0157)*

Note: Alkyd enamel paint.

09 91 23 00-0169	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0170	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.11	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0171	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	2.01	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0172	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.79	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0173	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.91	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0174	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.69	
		For Electrostatic Painting, Add	*0.20*	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0175	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.60	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0176	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.72	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.07	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 23 00-0178 Paint Interior Ceiling Tile Grid *(09 91 23 00-0157)*

Note: Grid only.

09 91 23 00-0179	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work	0.22	
		For Electrostatic Painting, Add	*0.02*	
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0180	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work	0.45	
		For Electrostatic Painting, Add	*0.05*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

09 91 23 00-0181 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0157)*

09 91 23 00-0182	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.80	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0183	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	0.96	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0184	SF	Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.43	
		For Electrostatic Painting, Add	*0.19*	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0185 Paint Interior Wood Ceilings *(09 91 23 00-0123)*

09 91 23 00-0186 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0185)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0188	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	1.14	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0189	SF	Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	2.07	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0190	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0191	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0192	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0193	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0194	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0195	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 23 00-0196 Paint Interior Wood Beams *(09 91 23 00-0123)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush Work	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0198	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush Work	1.24	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0199	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush Work	2.27	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0200	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0201	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0202	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0203	SF	Paint Interior Wood Beams, 1 Coat Primer, Sprayed	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0204	SF	Paint Interior Wood Beams, 1 Coat Paint, Sprayed	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0205	SF	Paint Interior Wood Beams, 2 Coats Paint, Sprayed	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 23 00-0206 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0207 Paint Interior Concrete Floors And Decks *(09 91 23 00-0206)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0209	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0210	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.48	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0211	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0212	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0213	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0214	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0215	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0216	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0217	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush	0.69	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0218	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work	0.68	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0219	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed	0.48	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0220	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.55	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0221	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251)	3.95	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	

09 91 23 00-0222 Paint Interior Wood Floors And Decks *(09 91 23 00-0206)*

09 91 23 00-0223	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0224	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0225	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.72	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0226	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0227	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0228	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0229	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0230	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0231	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0232	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.55	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0233	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	3.95	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	

09 91 23 00-0234 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0235 Paint Interior Door Frames *(09 91 23 00-0234)*

09 91 23 00-0236	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.27*	
09 91 23 00-0237	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.37	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.35*	
09 91 23 00-0238	LF	Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.32	
		For Oil Based Paint, Add	*0.12*	
		For Painting One Face Of Frame Only, Deduct	*-0.60*	
09 91 23 00-0239	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.02	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0240	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.34	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	
09 91 23 00-0241	LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.27	
		For Oil Based Paint, Add	*0.12*	
		For Painting One Face Of Frame Only, Deduct	*-0.58*	

09 91 23 00-0242 Paint Interior Metal Doors *(09 91 23 00-0234)*

09 91 23 00-0243	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	39.37	
		For Electrostatic Painting, Add	*4.91*	
		For Half Louvered Door, Add	*4.93*	
		For Full Louvered Door, Add	*8.22*	
		For Oil Based Paint, Add	*2.29*	
		For >5 To 10, Deduct	*-1.97*	
		For >10 To 25, Deduct	*-3.94*	
		For >25, Deduct	*-5.91*	
09 91 23 00-0244	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	39.37	
		For Electrostatic Painting, Add	*4.91*	
		For Half Louvered Door, Add	*4.93*	
		For Full Louvered Door, Add	*8.22*	
		For Oil Based Paint, Add	*2.29*	
		For >5 To 10, Deduct	*-1.97*	
		For >10 To 25, Deduct	*-3.94*	
		For >25, Deduct	*-5.91*	
09 91 23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	68.43	
		For Electrostatic Painting, Add	*8.78*	
		For Half Louvered Door, Add	*8.33*	
		For Full Louvered Door, Add	*13.89*	
		For Oil Based Paint, Add	*4.07*	
		For >5 To 10, Deduct	*-3.42*	
		For >10 To 25, Deduct	*-6.84*	
		For >25, Deduct	*-10.26*	
09 91 23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	70.62	
		For Electrostatic Painting, Add	*8.81*	
		For Half Louvered Door, Add	*8.84*	
		For Full Louvered Door, Add	*14.74*	
		For Oil Based Paint, Add	*4.11*	
		For >5 To 10, Deduct	*-3.53*	
		For >10 To 25, Deduct	*-7.06*	
		For >25, Deduct	*-10.59*	
09 91 23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	70.63	
		For Electrostatic Painting, Add	*8.81*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.74*	
		For Oil Based Paint, Add	*4.11*	
		For >5 To 10, Deduct	*-3.53*	
		For >10 To 25, Deduct	*-7.06*	
		For >25, Deduct	*-10.59*	
09 91 23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	123.07	
		For Electrostatic Painting, Add	*15.81*	
		For Half Louvered Door, Add	*14.96*	
		For Full Louvered Door, Add	*24.94*	
		For Oil Based Paint, Add	*7.32*	
		For >5 To 10, Deduct	*-6.15*	
		For >10 To 25, Deduct	*-12.31*	
		For >25, Deduct	*-18.46*	
09 91 23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed	28.38	
		For Electrostatic Painting, Add	*3.91*	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For Oil Based Paint, Add	*1.78*	
		For >5 To 10, Deduct	*-1.42*	
		For >10 To 25, Deduct	*-2.84*	
		For >25, Deduct	*-4.26*	
09 91 23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed	28.38	
		For Electrostatic Painting, Add	*3.91*	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For Oil Based Paint, Add	*1.78*	
		For >5 To 10, Deduct	*-1.42*	
		For >10 To 25, Deduct	*-2.84*	
		For >25, Deduct	*-4.26*	
09 91 23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed	50.05	
		For Electrostatic Painting, Add	*7.13*	
		For Half Louvered Door, Add	*5.38*	
		For Full Louvered Door, Add	*8.97*	
		For Oil Based Paint, Add	*3.21*	
		For >5 To 10, Deduct	*-2.50*	
		For >10 To 25, Deduct	*-5.01*	
		For >25, Deduct	*-7.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed	50.91	
		For Electrostatic Painting, Add	*7.02*	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For Oil Based Paint, Add	*3.19*	
		For >5 To 10, Deduct	*-2.55*	
		For >10 To 25, Deduct	*-5.09*	
		For >25, Deduct	*-7.64*	
09 91 23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed	50.91	
		For Electrostatic Painting, Add	*7.02*	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For Oil Based Paint, Add	*3.19*	
		For >5 To 10, Deduct	*-2.55*	
		For >10 To 25, Deduct	*-5.09*	
		For >25, Deduct	*-7.64*	
09 91 23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed	90.09	
		For Electrostatic Painting, Add	*12.86*	
		For Half Louvered Door, Add	*9.67*	
		For Full Louvered Door, Add	*16.11*	
		For Oil Based Paint, Add	*5.79*	
		For >5 To 10, Deduct	*-4.50*	
		For >10 To 25, Deduct	*-9.01*	
		For >25, Deduct	*-13.51*	

09 91 23 00-0255 Paint Interior Wood Doors *(09 91 23 00-0234)*

09 91 23 00-0256	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	42.56	
		For Oil Based Paint, Add	*2.61*	
		For Half Louvered Door, Add	*4.93*	
		For Full Louvered Door, Add	*8.22*	
		For >5 To 10, Deduct	*-2.13*	
		For >10 To 25, Deduct	*-4.26*	
		For >25, Deduct	*-6.38*	
09 91 23 00-0257	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	42.56	
		For Oil Based Paint, Add	*2.61*	
		For Half Louvered Door, Add	*4.93*	
		For Full Louvered Door, Add	*8.22*	
		For >5 To 10, Deduct	*-2.13*	
		For >10 To 25, Deduct	*-4.26*	
		For >25, Deduct	*-6.38*	
09 91 23 00-0258	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	74.80	
		For Oil Based Paint, Add	*4.70*	
		For Half Louvered Door, Add	*8.33*	
		For Full Louvered Door, Add	*13.89*	
		For >5 To 10, Deduct	*-3.74*	
		For >10 To 25, Deduct	*-7.48*	
		For >25, Deduct	*-11.22*	
09 91 23 00-0259	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	76.37	
		For Oil Based Paint, Add	*4.69*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.74*	
		For >5 To 10, Deduct	*-3.82*	
		For >10 To 25, Deduct	*-7.64*	
		For >25, Deduct	*-11.46*	
09 91 23 00-0260	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	76.37	
		For Oil Based Paint, Add	*4.69*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.74*	
		For >5 To 10, Deduct	*-3.82*	
		For >10 To 25, Deduct	*-7.64*	
		For >25, Deduct	*-11.46*	
09 91 23 00-0261	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	134.56	
		For Oil Based Paint, Add	*8.47*	
		For Half Louvered Door, Add	*14.96*	
		For Full Louvered Door, Add	*24.94*	
		For >5 To 10, Deduct	*-6.73*	
		For >10 To 25, Deduct	*-13.46*	
		For >25, Deduct	*-20.18*	
09 91 23 00-0262	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed	31.89	
		For Oil Based Paint, Add	*2.13*	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For >5 To 10, Deduct	*-1.59*	
		For >10 To 25, Deduct	*-3.19*	
		For >25, Deduct	*-4.78*	
09 91 23 00-0263	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed	31.89	
		For Oil Based Paint, Add	*2.13*	
		For Half Louvered Door, Add	*3.19*	
		For Full Louvered Door, Add	*5.31*	
		For >5 To 10, Deduct	*-1.59*	
		For >10 To 25, Deduct	*-3.19*	
		For >25, Deduct	*-4.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0264	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed	57.06	
		For Oil Based Paint, Add	*3.91*	
		For Half Louvered Door, Add	*5.38*	
		For Full Louvered Door, Add	*8.97*	
		For >5 To 10, Deduct	*-2.85*	
		For >10 To 25, Deduct	*-5.71*	
		For >25, Deduct	*-8.56*	
09 91 23 00-0265	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed	57.22	
		For Oil Based Paint, Add	*3.82*	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.58*	
09 91 23 00-0266	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed	57.22	
		For Oil Based Paint, Add	*3.82*	
		For Half Louvered Door, Add	*5.71*	
		For Full Louvered Door, Add	*9.52*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.58*	
09 91 23 00-0267	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed	102.73	
		For Oil Based Paint, Add	*7.05*	
		For Half Louvered Door, Add	*9.67*	
		For Full Louvered Door, Add	*16.11*	
		For >5 To 10, Deduct	*-5.14*	
		For >10 To 25, Deduct	*-10.27*	
		For >25, Deduct	*-15.41*	

09 91 23 00-0268 Paint Interior Metal Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0269	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	78.03	
		For Oil Based Paint, Add	*4.12*	
		For Electrostatic Painting, Add	*8.45*	
		For >5 To 10, Deduct	*-3.90*	
		For >10 To 25, Deduct	*-7.80*	
		For >25, Deduct	*-11.70*	
09 91 23 00-0270	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	91.70	
		For Oil Based Paint, Add	*4.92*	
		For Electrostatic Painting, Add	*10.17*	
		For >5 To 10, Deduct	*-4.59*	
		For >10 To 25, Deduct	*-9.17*	
		For >25, Deduct	*-13.76*	
09 91 23 00-0271	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	122.86	
		For Oil Based Paint, Add	*6.62*	
		For Electrostatic Painting, Add	*13.71*	
		For >5 To 10, Deduct	*-6.14*	
		For >10 To 25, Deduct	*-12.29*	
		For >25, Deduct	*-18.43*	
09 91 23 00-0272	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	138.28	
		For Oil Based Paint, Add	*7.45*	
		For Electrostatic Painting, Add	*15.43*	
		For >5 To 10, Deduct	*-6.91*	
		For >10 To 25, Deduct	*-13.83*	
		For >25, Deduct	*-20.74*	
09 91 23 00-0273	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	153.51	
		For Oil Based Paint, Add	*8.26*	
		For Electrostatic Painting, Add	*17.12*	
		For >5 To 10, Deduct	*-7.68*	
		For >10 To 25, Deduct	*-15.35*	
		For >25, Deduct	*-23.03*	
09 91 23 00-0274	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	4.88	
		For Oil Based Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.54*	

09 91 23 00-0275 Wood Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over primer.

09 91 23 00-0276	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	80.15	
		For Oil Based Paint, Add	*4.33*	
		For >5 To 10, Deduct	*-4.01*	
		For >10 To 25, Deduct	*-8.02*	
		For >25, Deduct	*-12.02*	
09 91 23 00-0277	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	94.98	
		For Oil Based Paint, Add	*5.25*	
		For >5 To 10, Deduct	*-4.75*	
		For >10 To 25, Deduct	*-9.50*	
		For >25, Deduct	*-14.25*	
09 91 23 00-0278	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	129.49	
		For Oil Based Paint, Add	*7.18*	
		For >5 To 10, Deduct	*-6.47*	
		For >10 To 25, Deduct	*-12.95*	
		For >25, Deduct	*-19.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0279	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	145.78	
		For Oil Based Paint, Add	*8.09*	
		For >5 To 10, Deduct	*-7.29*	
		For >10 To 25, Deduct	*-14.58*	
		For >25, Deduct	*-21.87*	
09 91 23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	159.30	
		For Oil Based Paint, Add	*8.84*	
		For >5 To 10, Deduct	*-7.97*	
		For >10 To 25, Deduct	*-15.93*	
		For >25, Deduct	*-23.90*	
09 91 23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	5.34	
		For Oil Based Paint, Add	*0.29*	

09 91 23 00-0282 Paint Interior Security Screens *(09 91 23 00-0234)*

09 91 23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.13	
		For Oil Based Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.13*	
09 91 23 00-0284	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.13*	
09 91 23 00-0285	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work	1.99	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.22*	

09 91 23 00-0286 Paint Interior Window Guards *(09 91 23 00-0234)*

09 91 23 00-0287	SF	Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.13	
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0288	SF	Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0289	SF	Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.99	
		For Oil Based Paint, Add	*0.11*	

09 91 23 00-0290 Paint Interior Window Trim *(09 91 23 00-0234)*

09 91 23 00-0291	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.32*	
09 91 23 00-0292	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.32*	
09 91 23 00-0293	LF	Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.40*	
09 91 23 00-0294	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work Note: Brush/roller work.	1.14	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0295	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work Note: Brush/roller work.	1.14	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0296	LF	Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work Note: Brush/roller work.	1.29	
		For Painting One Face Of Frame Only, Deduct	*-0.37*	

09 91 23 00-0297 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0298 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0297)*

09 91 23 00-0299	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work	1.19	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0300	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work	1.62	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0301	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work	2.51	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.38*	

09 91 23 00-0302 Paint Exposed Metal Lockers *(09 91 23 00-0297)*

09 91 23 00-0303	SF	Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work	1.04	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0304	SF	Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work	1.11	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.17*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0305		SF	Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work	2.03	
			For >5,000 To 10,000, Deduct	*-0.10*	
			For >10,000 To 20,000, Deduct	*-0.20*	
			For >20,000, Deduct	*-0.30*	
09 91 23 00-0306			**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0307			**Paint Interior Concrete Stairs** *(09 91 23 00-0306)*		
			Note: Includes the riser and tread.		
09 91 23 00-0308		RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	16.28	
09 91 23 00-0309		RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	16.28	
09 91 23 00-0310		RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.64	
			Note: Excludes riser.		
09 91 23 00-0311		RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	21.20	
			Note: Excludes riser.		
09 91 23 00-0312		RSR	Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	32.55	
09 91 23 00-0313			**Paint Interior Metal Stairs** *(09 91 23 00-0306)*		
			Note: Includes the riser and tread.		
09 91 23 00-0314		RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.53	
09 91 23 00-0315		RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.20	
09 91 23 00-0316		RSR	Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.40	
09 91 23 00-0317			**Paint Interior Wood Stairs** *(09 91 23 00-0306)*		
			Note: Includes the riser and tread.		
09 91 23 00-0318		RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.32	
09 91 23 00-0319		RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.31	
09 91 23 00-0320		RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.65	
			Note: Excludes riser.		
09 91 23 00-0321		RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	17.21	
			Note: Excludes riser.		
09 91 23 00-0322		RSR	Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.62	
09 91 23 00-0323			**Paint Interior Stair Nosing** *(09 91 23 00-0306)*		
09 91 23 00-0324		LF	Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.45	
09 91 23 00-0325			**Paint Interior Trim** *(09 91 23)*		
09 91 23 00-0326			**Paint Interior Metal Trim** *(09 91 23 00-0325)*		
09 91 23 00-0327		SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.09	
09 91 23 00-0328		SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.09	
09 91 23 00-0329		SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.96	
09 91 23 00-0330		SF	Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work	1.09	
09 91 23 00-0331		SF	Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work	1.09	
09 91 23 00-0332		SF	Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.96	
09 91 23 00-0333			**Paint Interior Wood Trim** *(09 91 23 00-0325)*		
09 91 23 00-0334		LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work	0.72	
			For Oil Based Paint, Add	*0.04*	
09 91 23 00-0335		LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work	0.81	
			For Oil Based Paint, Add	*0.04*	
09 91 23 00-0336		LF	Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.69	
			For Oil Based Paint, Add	*0.09*	
09 91 23 00-0337		SF	Paint Interior Wood Trim, 1 Coat Primer, Brush Work	2.20	
			For Oil Based Paint, Add	*0.12*	
09 91 23 00-0338		SF	Paint Interior Wood Trim, 1 Coat Paint, Brush Work	2.44	
			For Oil Based Paint, Add	*0.13*	
09 91 23 00-0339		SF	Paint Interior Wood Trim, 2 Coats Paint, Brush Work	5.23	
			For Oil Based Paint, Add	*0.28*	
09 91 23 00-0340		SF	Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	2.20	
			For Oil Based Paint, Add	*0.12*	
09 91 23 00-0341		SF	Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.44	
			For Oil Based Paint, Add	*0.13*	
09 91 23 00-0342		SF	Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	5.23	
			For Oil Based Paint, Add	*0.28*	
09 91 23 00-0343			**Paint Additives** *(09 91 23)*		
09 91 23 00-0344		SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0345		SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
			For Class "A" Fire Rating, Add	*0.04*	
09 91 23 00-0346			**Hand Painting Letters/Numbers** *(09 91 23)*		
			Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0347		EA	Up To 1" High, Hand Paint, Per Letter/Number	2.25	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0348	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.63	
09 91 23 00-0349	EA	2" To 3" High, Hand Paint, Per Letter/Number	4.00	
09 91 23 00-0350	EA	3" To 4" High, Hand Paint, Per Letter/Number	4.90	
09 91 23 00-0351	EA	4" To 6" High, Hand Paint, Per Letter/Number	6.77	
09 91 23 00-0352	EA	6" To 12" High, Hand Paint, Per Letter/Number	8.58	
09 91 23 00-0353	EA	Over 12" High, Hand Paint, Per Letter/Number	10.06	

09 91 23 00-0354 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0355 Conduit/Pipe *(09 91 23 00-0354)*

09 91 23 00-0356	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	42.76	
09 91 23 00-0357	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	64.57	
09 91 23 00-0358	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	49.95	
09 91 23 00-0359	CSF	Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	40.09	
09 91 23 00-0360	CSF	Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	72.51	
09 91 23 00-0361	CSF	Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt	66.29	

09 91 23 00-0362 Ductwork *(09 91 23 00-0354)*

09 91 23 00-0363	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	42.76	
09 91 23 00-0364	CSF	Metal Primer Ductwork With Glove/Mitt	49.26	
09 91 23 00-0365	CSF	Enamel, Oil Base Paint Ductwork With Glove/Mitt	45.40	
09 91 23 00-0366	CSF	Epoxy Coating, First Coat Ductwork With Glove/Mitt	70.24	
09 91 23 00-0367	CSF	Epoxy Coating, Second Coat Ductwork With Glove/Mitt	60.23	

09 91 23 00-0368 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0369	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.82	
		For >200 To 500, Deduct		*-0.15*
		For >500 To 1,000, Deduct		*-0.23*
		For >1,000 To 2,000, Deduct		*-0.29*
		For >2,000, Deduct		*-0.36*
09 91 23 00-0370	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.12	
		For >200 To 500, Deduct		*-0.17*
		For >500 To 1,000, Deduct		*-0.27*
		For >1,000 To 2,000, Deduct		*-0.34*
		For >2,000, Deduct		*-0.42*
09 91 23 00-0371	EA	2" To 3" High, Stencil Painting, Per Letter/Number	3.61	
		For >200 To 500, Deduct		*-0.29*
		For >500 To 1,000, Deduct		*-0.45*
		For >1,000 To 2,000, Deduct		*-0.58*
		For >2,000, Deduct		*-0.72*
09 91 23 00-0372	EA	3" To 4" High, Stencil Painting, Per Letter/Number	4.43	
		For >200 To 500, Deduct		*-0.35*
		For >500 To 1,000, Deduct		*-0.55*
		For >1,000 To 2,000, Deduct		*-0.71*
		For >2,000, Deduct		*-0.89*
09 91 23 00-0373	EA	4" To 6" High, Stencil Painting, Per Letter/Number	6.10	
		For >200 To 500, Deduct		*-0.49*
		For >500 To 1,000, Deduct		*-0.76*
		For >1,000 To 2,000, Deduct		*-0.98*
		For >2,000, Deduct		*-1.22*
09 91 23 00-0374	EA	6" To 12" High, Stencil Painting, Per Letter/Number	8.11	
		For >200 To 500, Deduct		*-0.65*
		For >500 To 1,000, Deduct		*-1.01*
		For >1,000 To 2,000, Deduct		*-1.30*
		For >2,000, Deduct		*-1.62*
09 91 23 00-0375	EA	Over 12" High, Stencil Painting, Per Letter/Number	9.59	
		For >200 To 500, Deduct		*-0.77*
		For >500 To 1,000, Deduct		*-1.20*
		For >1,000 To 2,000, Deduct		*-1.53*
		For >2,000, Deduct		*-1.92*

09 91 23 00-0376 Paint Interior Miscellaneous Metal Surfaces *(09 91 23)*

09 91 23 00-0377	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work	0.66	
		For Electrostatic Painting, Add		*0.08*
		For Up To 100, Add		*0.46*
		For >100 To 250, Add		*0.22*
		For >250 To 500, Add		*0.09*
		For >2,500 To 5,000, Deduct		*-0.03*
		For >5,000 To 10,000, Deduct		*-0.07*
		For >10,000 To 20,000, Deduct		*-0.10*
		For >20,000, Deduct		*-0.13*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0378	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	0.78	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0379	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.43	
		For Electrostatic Painting, Add	*0.16*	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0380	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed	0.83	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0381	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed	0.83	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0382	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed	1.28	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	16.05
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	23.49
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	29.79
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	36.73
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	24.57
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	37.88
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	30.40
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	23.49
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	21.34
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	37.62
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	31.32
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	31.32
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	35.32
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	23.03
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	27.47
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	24.57
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	19.65
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	50.83
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	31.69
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	35.76

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	17.20
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	85.27
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	9.21
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	53.28
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	27.95
09 91 33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon	9.21
09 91 33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon	13.97
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	28.25
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	37.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	30.71	
09 91 33 00-0033	GAL	Exterior, Oil Base, Flat	28.15	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	26.72	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	31.48	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	27.95	
09 91 33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base	39.78	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	193.51	
09 91 33 00-0039	GAL	High Heat Paint	38.89	
09 91 33 00-0040	GAL	Heat Resistant Paint	25.93	
09 91 33 00-0041	GAL	Zinc Chromate Paint	23.46	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	9.26	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	25.93	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	27.95	
09 91 33 00-0045	GAL	Alkyd Latex, Black	17.49	
09 91 33 00-0046	GAL	Alkyd Latex, White	17.49	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	21.09	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	23.66	
09 91 33 00-0049	GAL	Vinyl Paint	46.99	
09 91 33 00-0050	GAL	Silicone Alkyd	57.12	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	58.04	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	72.78	
09 91 33 00-0053	GAL	Chlorinated Rubber	53.44	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	55.28	
09 91 33 00-0055	GAL	Coal Tar Epoxy	39.62	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	49.44	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	64.49	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	44.22	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	28.10	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	31.48	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	57.58	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	19.50	
09 91 33 00-0063	GAL	Linseed Oil	17.04	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	27.95	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	31.48	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	28.79	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	23.14	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	15.97	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	29.79	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	26.56	
09 91 33 00-0072	GAL	Varnish, Clear	19.22	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	13.96	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	12.48	
09 91 33 00-0075	GAL	Polyurethane	21.91	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	28.03	
09 91 33 00-0077	GAL	Shellac, Clear	36.77	
09 91 33 00-0078	GAL	Acetone	12.13	
09 91 33 00-0079	GAL	Paint Thinner	2.99	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	12.28	
09 91 33 00-0081	GAL	Turpentine	16.89	
09 91 33 00-0082	GAL	Wood Filler Paste	28.87	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	23.03	

09 91 43 Surface Preparation *(09 91)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 91 43 00-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 91 43)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 91 43 00-0002 Concrete And Masonry Surfaces, Surface Preparation *(09 91 43 00-0001)*

09 91 43 00-0003	SF	Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.43
		For Up To 100, Add	*0.74*
		For >100 To 250, Add	*0.19*
		For >250 To 500, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 15,000, Deduct	*-0.04*
		For >15,000 To 30,000, Deduct	*-0.06*
		For >30,000, Deduct	*-0.08*
09 91 43 00-0004	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.67
		For Up To 100, Add	*1.16*
		For >100 To 250, Add	*0.29*
		For >250 To 500, Add	*0.15*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.10*
		For >30,000, Deduct	*-0.13*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0005	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0006	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0007	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.38	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0008	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0009	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.84	
		For Up To 100, Add	*3.46*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.43*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.27*	
		For >30,000, Deduct	*-0.36*	
09 91 43 00-0010	SF	Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.55	
		For Heavy Condition Where Multiple Pass Is Required, Add	*1.28*	
		For Up To 100, Add	*4.60*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.38*	
		For >30,000, Deduct	*-0.50*	

09 91 43 00-0011 Drywall *(09 91 43 00-0001)*

Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 91 43 00-0012	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping)	0.34	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.09*	
09 91 43 00-0013	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces	0.59	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.15*	
09 91 43 00-0014	SF	Scrape, Repair And Sand Severely Damaged Drywall Surfaces	1.07	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.26*	

09 91 43 00-0015 Metal Surfaces, Surface Preparation *(09 91 43 00-0001)*

09 91 43 00-0016	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.67	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0017	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0018	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0019	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.08	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 91 43 00-0020	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0021	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.81	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 91 43 00-0022	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0023	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.63	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 91 43 00-0024	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.72	
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.40*	
		For >30,000, Deduct	*-0.53*	
09 91 43 00-0025	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.06	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.30*	
		For >30,000, Deduct	*-0.40*	
09 91 43 00-0026	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.56	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.24*	
		For >15,000 To 30,000, Deduct	*-0.37*	
		For >30,000, Deduct	*-0.49*	
09 91 43 00-0027	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.32	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 30,000, Deduct	*-0.48*	
		For >30,000, Deduct	*-0.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0028	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.16	
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 15,000, Deduct	*-0.39*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.80*	

09 91 43 00-0029 Tile Surfaces *(09 91 43 00-0001)*

09 91 43 00-0030	SF	Alkaline Cleaner, Brush And Wash Tile Surface	0.38	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 91 43 00-0031	SF	Up To 5,000 PSI, Pressure Wash Tile Surface	0.28	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	

09 91 43 00-0032 Wood Surfaces *(09 91 43 00-0001)*

09 91 43 00-0033	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.20	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >4,000, Deduct	*-0.06*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
09 91 43 00-0034	SF	Chemical Clean, Brush And Wash Wood Surface	0.53	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 91 43 00-0035	SF	Hand Scrape Wood Surface	0.65	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0036	SF	Steam Clean Wood Surface	0.59	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 91 43 00-0037	SF	Up To 5,000 PSI, Pressure Wash Wood Surface	0.41	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 91 43 00-0038	SF	Sanding Wood Paneling, Boards, Doors, Etcetera	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0039	SF	Sanding Wood Trim	1.06	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0040	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat	0.68	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0041	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat	0.79	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	

09 91 43 00-0042 Vinyl Siding Surfaces *(09 91 43 00-0001)*

09 91 43 00-0043	SF	Hand Wash,Vinyl Siding Surfaces	0.61	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0044	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.33	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 91 43 00-0045	SF	Steam Clean, Vinyl Siding Surfaces	0.62	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 91 43 00-0046 Prep Work *(09 91 43 00-0001)*

09 91 43 00-0047	SF	Citrus Strip, Single Applications	0.99	

09 91 43 00-0048 Plaster/Stucco *(09 91 43 00-0001)*

Note: Based on total project quantity.

09 91 43 00-0049	SF	Up To 5,000 PSI Pressure Wash Stucco Surfaces	0.43	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 91 43 00-0050 Paint Removal, Strip To Bare Wood *(09 91 43 00-0001)*

09 91 43 00-0051	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	7.04	
09 91 43 00-0052	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	7.51	

09 91 43 00-0053 "Spot" Painting Of Surfaces *(09 91 43 00-0001)*

Note: For use on individual areas less than 10 SF.

09 91 43 00-0054	SF	"Spot" Paint Surfaces, Per Coat	1.30	

09 91 43 00-0055 Corrosive Inhibitor Sealant For Concrete *(09 91 43 00-0001)*

09 91 43 00-0056	SF	Corrosive Inhibitor Sealant For Concrete	0.60	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 93 Staining And Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining And Finishing *(09 93)*

09 93 13 13 Exterior Staining *(09 93 13)*

09 93 13 13-0001 Stain Sealer *(09 93 13 13)*
Note: Measured by surface area of wall or ceiling.

09 93 13 13-0002	SF	Stain Sealer, Brush Work	0.87
		For Ceiling Work, Add	*0.12*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.05*
		For >20,000, Deduct	*-0.07*
09 93 13 13-0003	SF	Stain Sealer, Brush/Roller Work	0.69
		For Ceiling Work, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.04*
		For >20,000, Deduct	*-0.06*
09 93 13 13-0004	SF	Stain Sealer, Sprayed	0.25
		For Ceiling Work, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.02*
		For >20,000, Deduct	*-0.02*

09 93 23 Interior Staining And Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.69
		For Up To 100, Add	*0.46*
		For >100 To 250, Add	*0.22*
		For >250 To 500, Add	*0.09*
		For >4,000, Deduct	*-0.03*

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.06
		For Up To 100, Add	*0.77*
		For >100 To 250, Add	*0.36*
		For >250 To 500, Add	*0.16*
		For >4,000, Deduct	*-0.05*
09 93 23 53-0005	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.56
		For Up To 100, Add	*1.13*
		For >100 To 250, Add	*0.53*
		For >250 To 500, Add	*0.23*
		For >4,000, Deduct	*-0.08*
09 93 23 53-0006	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.23
		For Up To 100, Add	*0.86*
		For >100 To 250, Add	*0.41*
		For >250 To 500, Add	*0.17*
		For >4,000, Deduct	*-0.06*
09 93 23 53-0007	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.84
		For Up To 100, Add	*0.61*
		For >100 To 250, Add	*0.28*
		For >250 To 500, Add	*0.12*
		For >4,000, Deduct	*-0.04*

09 93 23 53-0008 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0009	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.45
		For Up To 100, Add	*0.30*
		For >100 To 250, Add	*0.14*
		For >250 To 500, Add	*0.06*
		For >4,000, Deduct	*-0.02*
09 93 23 53-0010	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.33
		For Up To 100, Add	*0.21*
		For >100 To 250, Add	*0.10*
		For >250 To 500, Add	*0.04*
		For >4,000, Deduct	*-0.02*
09 93 23 53-0011	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	2.53
		For Up To 100, Add	*1.83*
		For >100 To 250, Add	*0.86*
		For >250 To 500, Add	*0.37*
		For >4,000, Deduct	*-0.13*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0012	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.62	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0013	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	2.88	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
		For >4,000, Deduct	*-0.14*	

09 93 23 53-0014 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0627 for factory finish.

09 93 23 53-0015	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	51.52	
		For Up To 4, Add	*38.11*	
		For >4 To 10, Add	*17.81*	
		For >10 To 20, Add	*7.64*	
		For >160, Deduct	*-2.58*	
09 93 23 53-0016	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	36.00	
		For Up To 4, Add	*26.22*	
		For >4 To 10, Add	*12.28*	
		For >10 To 20, Add	*5.27*	
		For >160, Deduct	*-1.80*	
09 93 23 53-0017	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	37.22	
		For Up To 4, Add	*27.45*	
		For >4 To 10, Add	*12.83*	
		For >10 To 20, Add	*5.51*	
		For >160, Deduct	*-1.86*	
09 93 23 53-0018	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	111.88	
		For Up To 4, Add	*81.79*	
		For >4 To 10, Add	*38.27*	
		For >10 To 20, Add	*16.43*	
		For >160, Deduct	*-5.59*	

09 93 23 53-0019 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0020	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.27	
09 93 23 53-0021	SF	Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.27	

09 93 23 53-0022 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

09 93 23 53-0023	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.58	
09 93 23 53-0024	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.70	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0025	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.79	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0026	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0027	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.70	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0028	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.79	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0029	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.24	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.29	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric Painting *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	Paint, Brush, Elastomeric, Per Coat	2.17	
		For Work >20', Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.43*	
09 96 53 00-0003	SF	Paint, Roller, Elastomeric, Per Coat	1.71	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 96 53 00-0004	SF	Paint, Conventional Spray, Elastomeric, Per Coat	1.50	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 96 53 00-0005	SF	Paint, Airless Spray, Elastomeric, Per Coat	1.35	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	High Build Epoxy - 50 Mil	2.99

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	5.34

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.74
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	6.73
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	9.98

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	3.03

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0001		Surface Preparation For Structural Steel *(09 97 13 23)* Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0002		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0003	SF	Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.44	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.87	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0007		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0008	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.90	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.79	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.13	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0012		SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0013	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.32	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0014	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.02	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0015	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.88	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.90	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0017		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0018	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.51	
		For Up To 100, Add	*3.18*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0019	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.87	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0020	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.56	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0021	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.43	
		For Up To 100, Add	*3.88*	
		For >100 To 250, Add	*1.82*	
		For >250 To 500, Add	*0.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 13 23-0022 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0023	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.36	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0024	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.86	
		For Up To 100, Add	*2.01*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0025	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.70	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0026	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	3.95	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.57*	

09 97 13 23-0027 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0028 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0029	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.89	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0030	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.66	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0031	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.58	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0032	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.07	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0033	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.29	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0034	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.94	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0035	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.83	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0036	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.55	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	

09 97 13 23-0037 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0038	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.61	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0039	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.87	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0040	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.73	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0041	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.19	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0042	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.96	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0043	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.40	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0044	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.30	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0045	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.39	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0046	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.08	
		For Up To 100, Add	*2.86*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0047	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.88	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0048	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.65	
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0049	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.03	
		For Up To 100, Add	*3.56*	
		For >100 To 250, Add	*1.67*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0050	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.05	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0051	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.16	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0052	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.99	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0053	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.77	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.54*	

09 97 13 23-0054 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0055	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.03	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0056	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.64	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0057	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.50	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0058	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.52	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0059	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.29	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0060	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.05	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0061	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.96	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0062	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.61	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0063	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.92	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0064	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.35	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0065	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.14	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0066	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.67	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0067	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.87	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0068	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.51	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0069	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.37	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0070	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.35	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	

09 97 13 23-0071 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0072	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.23	
		For Up To 100, Add	*2.01*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0073	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.33	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0074	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.04	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0075	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.69	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0076	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.27	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.62	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.43	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.59	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	

09 97 13 23-0080 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0081	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.43	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0082	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.51	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0083	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.22	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0084	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.89	
		For Up To 100, Add	*2.37*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0085	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.82	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0086	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.05	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.81	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0088	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.19	
		For Up To 100, Add	*1.95*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	

09 97 13 23-0089 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0090	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.23	
		For Up To 100, Add	*4.41*	
		For >100 To 250, Add	*2.11*	
		For >250 To 500, Add	*0.92*	
09 97 13 23-0091	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.42	
		For Up To 100, Add	*3.16*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0092	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.20	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.47	
		For Up To 100, Add	*5.32*	
		For >100 To 250, Add	*2.53*	
		For >250 To 500, Add	*1.10*	

09 97 13 23-0094 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0095	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.73	
		For Up To 100, Add	*2.13*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.89	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.75	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.28	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.96	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.27	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.16	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	3.38	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	

09 97 13 23-0103 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0104	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.25	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.63	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0106	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.41	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	4.06	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	

09 97 13 23-0108 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.18	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.23	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.87	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.64	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	

09 97 13 23-0113 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0114	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	1.63	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.16	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.09	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.72	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	

09 97 13 23-0118 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0027)*

Note: Installed over existing primer.

09 97 13 23-0119	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.57	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0120	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.09	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0121	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.81	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0122	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	3.02	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.22	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.73	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.76	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.62	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.07	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	

09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.88	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.73	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.50	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	

09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.39	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.24	
		For Up To 100, Add	*2.25*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	4.71	
		For Up To 100, Add	*3.35*	
		For >100 To 250, Add	*1.57*	
		For >250 To 500, Add	*0.68*	

09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.70	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.70	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	3.95	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.57*	

09 97 13 24-0022 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0023 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.51	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.42	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.02	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.73	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.58	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.48	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.50	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.15	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.85	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.13	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.86	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.13	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.29	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.71	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.51	
		For Up To 100, Add	*3.20*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.65*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.71	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.27	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.38	
		For Up To 100, Add	*2.40*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.35	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.15	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.99	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.87	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.73	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.91	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.93	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.61	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.70	
		For Up To 100, Add	*3.44*	
		For >100 To 250, Add	*1.61*	
		For >250 To 500, Add	*0.69*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.24	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.02	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.06	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.88	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.60	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.32	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.12	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	

09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.05	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.77	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.68	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.44	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	

09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.02	
		For Up To 100, Add	*2.88*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.61*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.60	
		For Up To 100, Add	*2.57*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.54*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.86	
		For Up To 100, Add	*5.01*	
		For >100 To 250, Add	*2.38*	
		For >250 To 500, Add	*1.03*	

09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.57	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.26	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.96	
		For Up To 100, Add	*2.38*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.50*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.04	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.79	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	3.14	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	

09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.40	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.98	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	3.11	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	

09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.64	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.51	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.57	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	

09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*

09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.66	
		For Up To 100, Add	*2.25*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.47*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.16	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	

09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.01	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.98	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.64	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.71	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.51	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.42	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	6.45	
		For Up To 100, Add	*4.21*	
		For >100 To 250, Add	*2.00*	
		For >250 To 500, Add	*0.86*	

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.54	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.13	

09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	8.20	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	4.34	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	8.69	

09 97 63 Special Coatings *(09 97)*

09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.64	

END OF SECTION 09

copyright 2018 The Gordian Group, Inc.

This Page Intentionally Left Blank

www.gordian.com
855.467.9444
30 Patewood Drive, Suite 350
Greenville, South Carolina 29615

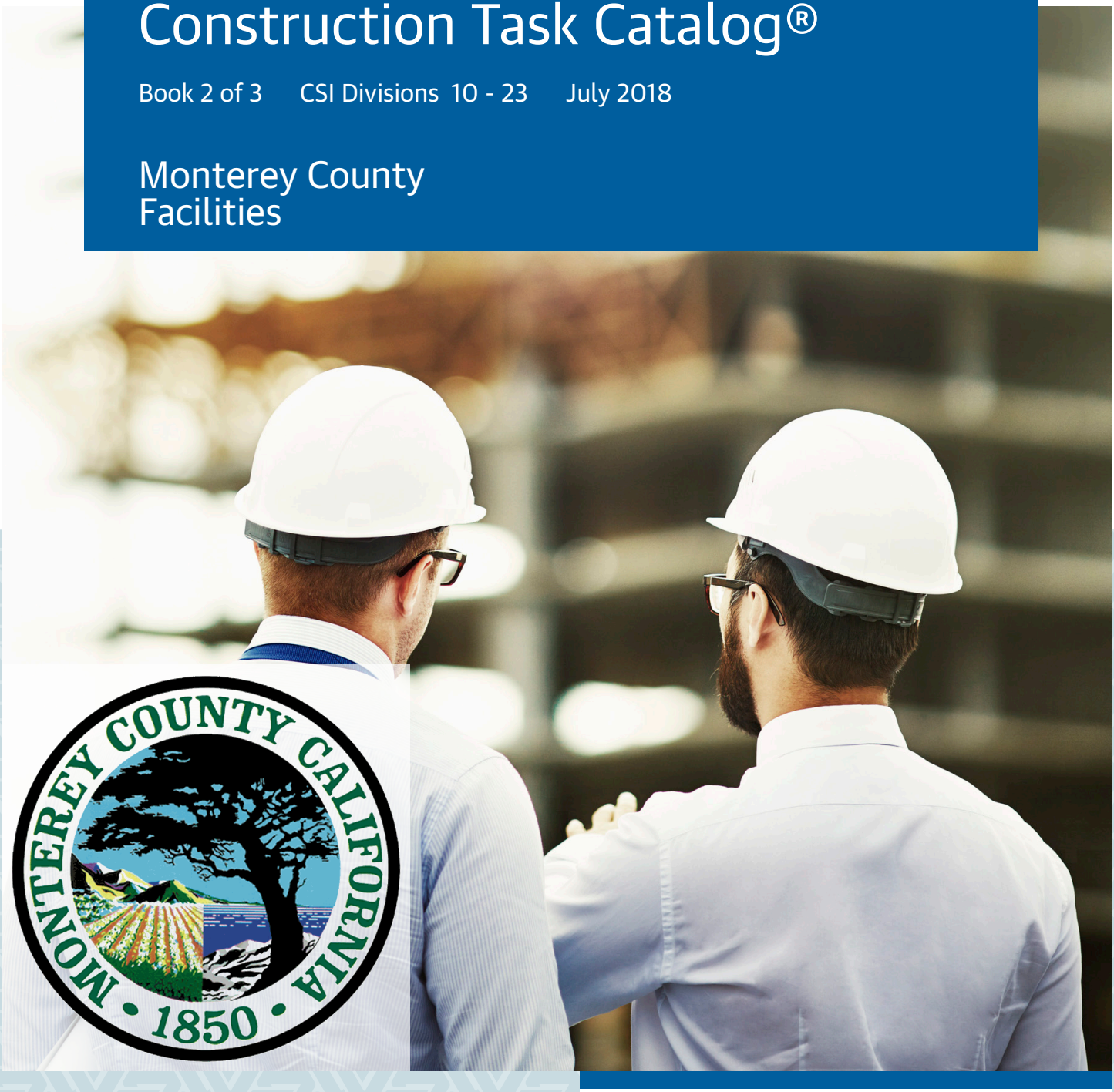
GORDIAN®

Building knowledge

Job Order Contract Construction Task Catalog®

Book 2 of 3 CSI Divisions 10 - 23 July 2018

Monterey County Facilities



GORDIAN®

This Page Intentionally Left Blank

00 Using The Construction Task Catalog® 1

01 General Requirements 1
01 20 Price And Payment Procedures ... 1
01 22 Unit Prices ... 1
01 30 Administrative Requirements ... 31
01 32 Construction Progress Documentation ... 31
01 40 Quality Requirements ... 31
01 45 Quality Control ... 31
01 50 Temporary Facilities And Controls ... 34
01 51 Temporary Utilities ... 34
01 52 Construction Facilities ... 35
01 54 Construction Aids ... 36
01 55 Vehicular Access And Parking ... 39
01 56 Temporary Barriers And Enclosures ... 42
01 57 Temporary Controls ... 50
01 58 Project Identification ... 50
01 60 Product Requirements ... 51
01 66 Product Storage And Handling Requirements ... 51
01 70 Execution And Closeout Requirements ... 51
01 71 Examination And Preparation ... 51
01 74 Cleaning And Waste Management ... 53

02 Existing Conditions 1
02 20 Assessment ... 1
02 25 Existing Material Assessment ... 1
02 30 Subsurface Investigation ... 1
02 32 Geotechnical Investigations ... 1
02 40 Demolition And Structure Moving ... 1
02 41 Demolition ... 1
02 43 Structure Moving ... 17
02 60 Contaminated Site Material Removal ... 17
02 61 Removal And Disposal Of Contaminated Soils ... 17
02 65 Underground Storage Tank Removal ... 18
02 80 Facility Remediation ... 21
02 81 Transportation And Disposal Of Hazardous Materials ... 21
02 82 Asbestos Remediation ... 21
02 83 Lead Remediation ... 28
02 84 Polychlorinate Biphenyl Remediation ... 31
02 87 Bio-Hazard Material Remediation ... 32
02 89 Hazmat Ancillary Tasks And Support ... 35
02 90 Disaster Recovery ... 35
02 90 50 Cleaning And Emergency Clean-up ... 35

03 Concrete 1
03 01 Maintenance Of Concrete ... 1
03 01 30 Maintenance Of Cast-In-Place Concrete ... 1
03 05 Common Work Results For Concrete ... 3
03 10 Concrete Forming And Accessories ... 3
03 11 Concrete Forming ... 3
03 15 Concrete Accessories ... 7
03 20 Concrete Reinforcing ... 16
03 21 Reinforcement Bars ... 16
03 22 Fabric And Grid Reinforcing ... 25
03 30 Cast-In-Place Concrete ... 26
03 31 Structural Concrete ... 27
03 35 Concrete Finishing ... 43
03 37 Specialty Placed Concrete ... 46
03 39 Concrete Curing ... 47
03 40 Precast Concrete ... 47
03 41 Precast Structural Concrete ... 47
03 48 Precast Concrete Specialties ... 57
03 50 Cast Decks And Underlayment ... 60

copyright © 2018 The Gordian Group, Inc.

03 51 Cast Roof Decks 60
03 52 Lightweight Concrete Roof Insulation 60
03 53 Concrete Topping 61
03 54 Cast Underlayment 61
03 60 Grouting 61
03 61 Cementitious Grouting 61
03 62 Non-Shrink Grouting 61
03 64 Injection Grouting 62
03 80 Concrete Cutting And Boring 62
03 81 Concrete Cutting 62
03 82 Concrete Boring 62

04 Masonry 1

04 01 Maintenance Of Masonry 1
04 01 20 Maintenance Of Unit Masonry 1
04 01 40 Maintenance of Stone Assemblies 10
04 01 50 Maintenance of Refractory Masonry 11
04 05 Common Work Results For Masonry 11
04 05 13 Masonry Mortaring 11
04 05 16 Masonry Grouting 11
04 05 19 Masonry Anchorage And Reinforcing 12
04 05 23 Masonry Accessories 37
04 05 26 Masonry Scaffolding 39
04 20 Unit Masonry 39
04 21 Clay Unit Masonry 39
04 22 Concrete Unit Masonry 42
04 23 Glass Unit Masonry 46
04 40 Stone Assemblies 46
04 41 Dry-Placed Stone 46
04 42 Exterior Stone Cladding 46
04 43 Stone Masonry 47
04 50 Refractory Masonry 48
04 51 Flue Liner Masonry 48
04 70 Manufactured Masonry 48
04 72 Cast Stone Masonry 49

05 Metals 1

05 05 Common Work Results For Metals 1
05 05 19 Post-Installed Concrete Anchors 1
05 05 23 Metal Fastenings 12
05 10 Structural Metal Framing 75
05 12 Structural Steel Framing 75
05 13 Structural Stainless-Steel Framing 125
05 14 Structural Aluminum Framing 125
05 15 Wire Rope Assemblies 126
05 20 Metal Joists 132
05 21 Steel Joist Framing 132
05 30 Metal Decking 132
05 31 Steel Decking 133
05 36 Composite Metal Decking 136
05 40 Cold-Formed Metal Framing 139
05 41 Structural Metal Stud Framing 139
05 42 Cold-Formed Metal Joist Framing 141
05 43 Slotted Channel Framing 141
05 45 Metal Support Assemblies 143
05 50 Metal Fabrications 143
05 51 Metal Stairs 143
05 52 Metal Railings 145
05 53 Metal Gratings 153
05 54 Metal Floor Plates 161
05 55 Metal Stair Treads And Nosings 161
05 56 Metal Castings 163
05 58 Formed Metal Fabrications 163
05 59 Metal Specialties 164
05 70 Decorative Metal 172
05 71 Decorative Metal Stairs 172
05 73 Decorative Metal Railings 172

copyright © 2018 The Gordian Group, Inc.

05 75 Decorative Formed Metal 173

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites 1
06 01 20 Maintenance of Finish Carpentry 1
06 05 Common Work Results For Wood, Plastics, And Composites 1
06 05 23 Wood, Plastic, And Composite Fastenings 1
06 05 73 Wood Treatment 17
06 10 Rough Carpentry 17
06 11 Wood Framing 17
06 13 Heavy Timber Construction 22
06 15 Wood Decking 24
06 16 Sheathing 27
06 17 Shop-Fabricated Structural Wood 33
06 18 Glued-Laminated Construction 38
06 20 Finish Carpentry 39
06 22 Millwork 39
06 25 Prefinished Paneling 41
06 40 Architectural Woodwork 41
06 41 Architectural Wood Casework 42
06 42 Wood Paneling 54
06 43 Wood Stairs And Railings 57
06 44 Ornamental Woodwork 58
06 46 Wood Trim 60
06 48 Wood Frames 77
06 50 Structural Plastics 78
06 51 Structural Plastic Shapes And Plates 78
06 52 Plastic Structural Assemblies 83
06 53 Plastic Decking 84
06 60 Plastic Fabrications 84
06 65 Plastic Trim 84
06 70 Structural Composites 85
06 74 Composite Gratings 85
06 80 Composite Fabrications 87
06 82 Composite Trim 87
06 83 Composite Paneling 89

07 Thermal And Moisture Protection 1

07 01 Operation And Maintenance Of Thermal And Moisture Protection 1
07 01 50 Maintenance Of Membrane Roofing 1
07 05 Common Work Results For Thermal And Moisture Protection 1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work 1
07 10 Dampproofing And Waterproofing 1
07 11 Dampproofing 2
07 13 Sheet Waterproofing 2
07 14 Fluid-Applied Waterproofing 3
07 16 Cementitious And Reactive Waterproofing 4
07 17 Bentonite Waterproofing 4
07 19 Water Repellents 4
07 20 Thermal Protection 5
07 21 Thermal Insulation 5
07 22 Roof And Deck Insulation 11
07 24 Exterior Insulation And Finish Systems 21
07 25 Weather Barriers 24
07 26 Vapor Retarders 24
07 27 Air Barriers 24
07 30 Steep Slope Roofing 24
07 31 Shingles And Shakes 24
07 32 Roof Tiles 29
07 34 Roofing Underlayment 31
07 40 Roofing And Siding Panels 33
07 41 Roof Panels 33
07 42 Wall Panels 36
07 46 Siding 37
07 50 Membrane Roofing 41
07 51 Built-Up Bituminous Roofing 41
07 52 Modified Bituminous Membrane Roofing 48

copyright © 2018 The Gordian Group, Inc.

07 53 Elastomeric Membrane Roofing 54
07 54 Thermoplastic Membrane Roofing 56
07 56 Fluid-Applied Roofing 59
07 57 Coated Foamed Roofing 60
07 58 Roll Roofing 62
07 59 Membrane Roofing Accessories 62
07 60 Flashing And Sheet Metal 62
07 61 Sheet Metal Roofing 62
07 62 Sheet Metal Flashing And Trim 64
07 63 Sheet Metal Roofing Specialties 69
07 65 Flexible Flashing 70
07 70 Roof And Wall Specialties And Accessories 70
07 71 Roof Specialties 70
07 72 Roof Accessories 86
07 73 Roof Protection Board 107
07 76 Roof Pavers 107
07 80 Fire And Smoke Protection 108
07 81 Applied Fireproofing 108
07 82 Board Fireproofing 110
07 84 Firestopping 110
07 90 Joint Protection 116
07 91 Preformed Joint Seals 116
07 92 Joint Sealants 118
07 95 Expansion Control 120

08 Openings 1

08 01 Operation And Maintenance Of Openings 1
08 01 10 Operation And Maintenance Of Doors And Frames 1
08 01 50 Operation And Maintenance Of Windows 1
08 01 80 Maintenance of Glazing 1
08 05 Common Work Results For Openings 1
08 05 13 Door Options And Modifications 1
08 10 Doors And Frames 2
08 11 Metal Doors And Frames 3
08 12 Metal Frames 3
08 13 Metal Doors 31
08 14 Wood Doors 54
08 15 Plastic Doors 110
08 16 Composite Doors 110
08 17 Integrated Door Opening Assemblies 115
08 30 Specialty Doors And Frames 118
08 31 Access Doors And Panels 119
08 32 Sliding Glass Doors 119
08 33 Coiling Doors And Grilles 120
08 34 Special Function Doors 140
08 36 Panel Doors 144
08 38 Traffic Doors 151
08 40 Entrances, Storefronts, And Curtain Walls 167
08 42 Entrances 167
08 43 Storefronts 172
08 44 Curtain Wall And Glazed Assemblies 176
08 45 Translucent Wall And Roof Assemblies 179
08 50 Windows 179
08 51 Metal Windows 179
08 52 Wood Windows 197
08 53 Plastic Windows 235
08 56 Special Function Windows 263
08 60 Roof Windows And Skylights 266
08 62 Unit Skylights 266
08 63 Metal-Framed Skylights 271
08 66 Wood-Framed Skylights 277
08 70 Hardware 278
08 71 Door Hardware 278
08 75 Window Hardware 384
08 79 Hardware Accessories 384
08 80 Glazing 384
08 81 Glass Glazing 384
08 83 Mirrors 395

copyright © 2018 The Gordian Group, Inc.

08 84 Plastic Glazing ... 396
08 85 Glazing Accessories ... 398
08 87 Glazing Surface Films ... 398
08 88 Special Function Glazing ... 399
08 90 Louvers And Vents ... 401
08 91 Louvers ... 401
08 95 Vents ... 433

09 Finishes 1

09 01 Maintenance Of Finishes ... 1
09 01 20 Maintenance Of Plaster And Gypsum Board ... 1
09 01 30 Maintenance of Tiling ... 1
09 01 60 Maintenance Of Flooring ... 1
09 01 80 Maintenance Of Acoustic Treatment ... 2
09 05 Common Work Results For Finishes ... 2
09 05 61 Common Work Results for Flooring Preparation ... 2
09 05 71 Acoustic Underlayment ... 2
09 20 Plaster And Gypsum Board ... 2
09 22 Supports For Plaster And Gypsum Board ... 2
09 23 Gypsum Plastering ... 12
09 24 Cement Plastering ... 13
09 28 Backing Boards And Underlayments ... 14
09 29 Gypsum Board ... 15
09 30 Tiling ... 24
09 30 13 Ceramic Tiling ... 24
09 30 16 Quarry Tiling ... 24
09 30 33 Stone Tiling ... 25
09 31 Thin-Set Tiling ... 29
09 32 Mortar-Bed Tiling ... 29
09 34 Waterproofing-Membrane Tiling ... 30
09 35 Chemical-Resistant Tiling ... 30
09 39 Tiling Transitions And Accessories ... 30
09 50 Ceilings ... 31
09 51 Acoustical Ceilings ... 31
09 53 Acoustical Ceiling Suspension Assemblies ... 38
09 54 Specialty Ceilings ... 39
09 57 Special Function Ceilings ... 40
09 60 Flooring ... 40
09 61 Flooring Treatment ... 40
09 63 Masonry Flooring ... 41
09 64 Wood Flooring ... 41
09 65 Resilient Flooring ... 44
09 66 Terrazzo Flooring ... 51
09 67 Fluid-Applied Flooring ... 54
09 68 Carpeting ... 54
09 69 Access Flooring ... 62
09 70 Wall Finishes ... 63
09 72 Wall Coverings ... 63
09 73 Wall Carpeting ... 63
09 74 Flexible Wood Sheets ... 63
09 77 Special Wall Surfacing ... 64
09 80 Acoustic Treatment ... 64
09 81 Acoustic Insulation ... 64
09 84 Acoustic Room Components ... 64
09 85 Acoustic Sound Deadening ... 65
09 90 Painting And Coating ... 65
09 91 Painting ... 65
09 93 Staining And Transparent Finishing ... 135
09 96 High-Performance Coatings ... 136
09 97 Special Coatings ... 137

10 Specialties 1

10 10 Information Specialties ... 1
10 11 Visual Display Units ... 1
10 12 Display Cases ... 7
10 13 Directories ... 8
10 14 Signage ... 11

copyright © 2018 The Gordian Group, Inc.

10 20 Interior Specialties ... 36
10 21 Compartments And Cubicles ... 36
10 22 Partitions ... 61
10 26 Wall And Door Protection ... 65
10 28 Toilet, Bath, And Laundry Accessories ... 75
10 40 Safety Specialties ... 85
10 41 Emergency Access And Information Cabinets ... 85
10 44 Fire Protection Specialties ... 85
10 50 Storage Specialties ... 91
10 51 Lockers ... 91
10 55 Postal Specialties ... 106
10 56 Storage Assemblies ... 106
10 57 Wardrobe And Closet Specialties ... 109
10 70 Exterior Specialties ... 109
10 73 Protective Covers ... 109
10 75 Flagpoles ... 110
10 80 Other Specialties ... 112
10 81 Pest Control Devices ... 112
10 86 Security Mirrors And Domes ... 113

11 Equipment 1
11 01 Operation And Maintenance Of Equipment ... 1
11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ... 1
11 10 Vehicle And Pedestrian Equipment ... 1
11 11 Vehicle Service Equipment ... 1
11 12 Parking Control Equipment ... 2
11 13 Loading Dock Equipment ... 3
11 14 Pedestrian Control Equipment ... 8
11 20 Commercial Equipment ... 10
11 21 Retail and Service Equipment ... 10
11 30 Residential Equipment ... 11
11 30 13 Residential Appliances ... 11
11 30 33 Retractable Stairs ... 14
11 32 Unit Kitchens ... 14
11 40 Foodservice Equipment ... 15
11 41 Foodservice Storage Equipment ... 15
11 42 Food Preparation Equipment ... 35
11 44 Food Cooking Equipment ... 37
11 46 Food Dispensing Equipment ... 38
11 48 Foodservice Cleaning and Disposal Equipment ... 40
11 50 Educational And Scientific Equipment ... 41
11 52 Audio-Visual Equipment ... 41
11 53 Laboratory Equipment ... 49
11 60 Entertainment and Recreation Equipment ... 49
11 66 Athletic Equipment ... 49
11 68 Play Field Equipment And Structures ... 49
11 70 Healthcare Equipment ... 54
11 73 Patient Care Equipment ... 54
11 80 Facility Maintenance and Operation Equipment ... 54
11 81 Maintenance Equipment ... 54
11 82 Facility Solid Waste Handling Equipment ... 54

12 Furnishings 1
12 01 Operation And Maintenance Of Furnishings ... 1
12 01 60 Operation And Maintenance Of Multiple Seating ... 1
12 20 Window Treatments ... 1
12 21 Window Blinds ... 1
12 22 Curtains And Drapes ... 1
12 23 Interior Shutters ... 3
12 24 Window Shades ... 5
12 30 Casework ... 5
12 31 Manufactured Metal Casework ... 5
12 35 Specialty Casework ... 10
12 36 Countertops ... 10
12 40 Furnishings And Accessories ... 11
12 48 Rugs And Mats ... 11
12 50 Furniture ... 12

copyright © 2018 The Gordian Group, Inc.

12 55 Detention Furniture 12
12 59 Systems Furniture 14
12 60 Multiple Seating 17
12 61 Fixed Audience Seating 17
12 62 Portable-Audience Seating 17

13 Special Construction 1
13 10 Special Facility Components 1
13 11 Swimming Pools 1
13 12 Fountains 1
13 20 Special Purpose Rooms 2
13 21 Controlled Environment Rooms 2
13 30 Special Structures 2
13 34 Fabricated Engineered Structures 2
13 40 Integrated Construction 21
13 42 Building Modules 21
13 47 Facility Protection 21
13 48 Sound, Vibration, And Seismic Control 22
13 49 Radiation Protection 23

14 Conveying Equipment 1
14 01 Operation And Maintenance Of Conveying Equipment 1
14 01 20 Operation And Maintenance Of Elevators 1
14 01 30 Operation And Maintenance Of Escalators And Moving Walks 2
14 20 Elevators 3
14 24 Hydraulic Elevators 3
14 26 Limited-Use/Limited-Application Elevators 7
14 90 Other Conveying Equipment 7
14 91 Facility Chutes 7
14 92 Pneumatic Tube Systems 8

21 Fire Suppression 1
21 01 Operation and Maintenance of Fire Suppression 1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems 1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment 1
21 05 Common Work Results for Fire Suppression 1
21 05 13 Common Motor Requirements For Fire-Suppression Equipment 1
21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping 1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping 1
21 05 19 Meters And Gages For Fire-Suppression Systems 1
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping 2
21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment 3
21 05 48 Vibration And Seismic Controls for Fire-Suppresion Piping and Equipment 4
21 05 53 Identification For Fire-Suppression Piping And Equipment 4
21 07 Fire-Suppression Systems Insulation 4
21 07 19 Fire-Suppression Piping Insulation 4
21 10 Water-Based Fire-Suppression Systems 4
21 11 Facility Fire-Suppression Water-Service Piping 4
21 12 Fire-Suppression Standpipes 4
21 13 Fire-Suppression Sprinkler Systems 5
21 20 Fire-Extinguishing Systems 32
21 21 Carbon-Dioxide Fire-Extinguishing Systems 33
21 22 Clean-Agent Fire-Extinguishing Systems 33
21 23 Wet-Chemical Fire-Extinguishing Systems 41
21 24 Dry-Chemical Fire-Extinguishing Systems 44
21 30 Fire Pumps 47
21 31 Centrifugal Fire Pumps 47

22 Plumbing 1
22 01 Operation and Maintenance of Plumbing 1
22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps 1
22 01 40 Operation and Maintenance of Plumbing Fixtures 1
22 05 Common Work Results for Plumbing 2
22 05 13 Common Motor Requirements For Plumbing Equipment 2
22 05 16 Expansion Fittings And Loops For Plumbing Piping 2

copyright © 2018 The Gordian Group, Inc.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping 2
22 05 19 Meters And Gages For Plumbing Piping 2
22 05 23 General-Duty Valves For Plumbing Piping 2
22 05 29 Hangers And Supports For Plumbing Piping And Equipment 3
22 05 33 Heat Tracing For Plumbing Piping 3
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment 3
22 05 53 Identification For Plumbing Piping And Equipment 3
22 05 76 Facility Drainage Piping Cleanouts 3
22 07 Plumbing Insulation 6
22 07 16 Plumbing Equipment Insulation 7
22 07 19 Plumbing Piping Insulation 7
22 10 Plumbing Piping 36
22 11 Facility Water Distribution 36
22 12 Facility Potable-Water Storage Tanks 96
22 13 Facility Sanitary Sewerage 98
22 14 Facility Storm Drainage 144
22 15 General Service Compressed-Air Systems 153
22 30 Plumbing Equipment 156
22 31 Domestic Water Softeners 156
22 32 Domestic Water Filtration Equipment 158
22 33 Electric Domestic Water Heaters 159
22 34 Fuel-Fired Domestic Water Heaters 162
22 35 Domestic Water Heat Exchangers 165
22 40 Plumbing Fixtures 166
22 41 Residential Plumbing Fixtures 166
22 42 Commercial Plumbing Fixtures 166
22 43 Healthcare Plumbing Fixtures 181
22 45 Emergency Plumbing Fixtures 182
22 46 Security Plumbing Fixtures 186
22 47 Drinking Fountains And Water Coolers 188
22 50 Pool And Fountain Plumbing Systems 190
22 51 Swimming Pool Plumbing Systems 190
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities 192
22 63 Gas Systems For Laboratory And Healthcare Facilities 192
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities 192

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

23 01 Operation and Maintenance of HVAC Systems 1
23 01 10 Operation and Maintenance of Facility Fuel Systems 1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps 1
23 01 30 Operation and Maintenance of HVAC Air Distribution 2
23 01 50 Operation and Maintenance of Central Heating Equipment 3
23 01 60 Operation and Maintenance of Central Cooling Equipment 4
23 05 Common Work Results For HVAC 4
23 05 13 Common Motor Requirements For HVAC Equipment 4
23 05 16 Expansion Fittings And Loops For HVAC Piping 7
23 05 17 Sleeves and Sleeve Seals for HVAC Piping 8
23 05 19 Meters And Gages For HVAC Piping 9
23 05 23 General-Duty Valves For HVAC Piping 12
23 05 29 Hangers And Supports For HVAC Piping And Equipment 31
23 05 33 Heat Tracing For HVAC Piping 59
23 05 48 Vibration and Seismic Controls for HVAC 59
23 05 53 Identification For HVAC Piping And Equipment 64
23 05 93 Testing, Adjusting, And Balancing For HVAC 64
23 07 HVAC Insulation 67
23 07 13 Duct Insulation 67
23 07 16 HVAC Equipment Insulation 68
23 07 19 HVAC Piping Insulation 69
23 08 Commissioning Of HVAC 72
23 09 Instrumentation And Control For HVAC 72
23 09 13 Instrumentation And Control Devices For HVAC 72
23 09 23 Direct-Digital Control System For HVAC 73
23 10 Facility Fuel Systems 91
23 11 Facility Fuel Piping 91
23 12 Facility Fuel Pumps 98
23 13 Facility Fuel-Storage Tanks 98
23 20 HVAC Piping And Pumps 107
23 21 Hydronic Piping And Pumps 107

copyright © 2018 The Gordian Group, Inc.

23 22 Steam And Condensate Piping And Pumps ... 191
23 23 Refrigerant Piping ... 197
23 25 HVAC Water Treatment ... 202
23 30 HVAC Air Distribution ... 202
23 31 HVAC Ducts And Casings ... 202
23 33 Air Duct Accessories ... 264
23 34 HVAC Fans ... 307
23 35 Special Exhaust Systems ... 323
23 36 Air Terminal Units ... 325
23 37 Air Outlets And Inlets ... 328
23 38 Ventilation Hoods ... 343
23 40 HVAC Air Cleaning Devices ... 345
23 41 Particulate Air Filtration ... 345
23 42 Gas-Phase Air Filtration ... 351
23 44 Ultraviolet HVAC Microbial Control ... 351
23 50 Central Heating Equipment ... 353
23 51 Breechings, Chimneys, And Stacks ... 353
23 52 Heating Boilers ... 374
23 53 Heating Boiler Feedwater Equipment ... 392
23 54 Furnaces ... 393
23 55 Fuel-Fired Heaters ... 395
23 57 Heat Exchangers for HVAC ... 396
23 60 Central Cooling Equipment ... 398
23 61 Refrigerant Compressors ... 398
23 62 Packaged Compressor and Condenser Units ... 399
23 63 Refrigerant Condensers ... 400
23 64 Packaged Water Chillers ... 402
23 65 Cooling Towers ... 406
23 70 Central HVAC Equipment ... 410
23 71 Thermal Storage ... 410
23 72 Air-To-Air Energy Recovery Equipment ... 410
23 73 Indoor Central-Station Air-Handling Units ... 411
23 74 Packaged Outdoor HVAC Equipment ... 430
23 76 Evaporative Air-Cooling Equipment ... 439
23 80 Decentralized Unitary HVAC Equipment ... 439
23 81 Decentralized Unitary HVAC Equipment ... 439
23 82 Convection Heating And Cooling Units ... 452
23 83 Radiant Heating Units ... 468
23 84 Humidity Control Equipment ... 468

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems ... 1
26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ... 1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ... 2
26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment ... 2
26 01 50 Operation and Maintenance of Lighting ... 2
26 05 Common Work Results For Electrical ... 15
26 05 13 Medium-Voltage Cables ... 15
26 05 19 Low-Voltage Electrical Power Conductors And Cables ... 20
26 05 23 Control-Voltage Electrical Power Cables ... 36
26 05 26 Grounding And Bonding For Electrical Systems ... 37
26 05 29 Hangers And Supports For Electrical Systems ... 41
26 05 33 Raceway And Boxes For Electrical Systems ... 61
26 05 36 Cable Trays For Electrical Systems ... 184
26 05 39 Underfloor Raceways for Electrical Systems ... 271
26 05 43 Underground Ducts And Raceways For Electrical Systems ... 273
26 05 46 Utility Poles for Electrical Systems ... 276
26 05 53 Identification for Electrical Systems ... 283
26 05 83 Wiring Connections ... 284
26 09 Instrumentation and Control for Electrical Systems ... 287
26 09 23 Lighting Control Devices ... 287
26 10 Medium-Voltage Electrical Distribution ... 305
26 11 Substations ... 305
26 12 Medium-Voltage Transformers ... 313
26 13 Medium-Voltage Switchgear ... 317
26 18 Medium-Voltage Circuit Protection Devices ... 318
26 20 Low-Voltage Electrical Distribution ... 319
26 21 Low-Voltage Electrical Service Entrance ... 319

copyright © 2018 The Gordian Group, Inc.

26 22 Low-Voltage Transformers....320
26 24 Switchboards And Panelboards....327
26 25 Enclosed Bus Assemblies....380
26 26 Power Distribution Units....383
26 27 Low-Voltage Distribution Equipment....383
26 28 Low-Voltage Circuit Protective Devices....400
26 29 Low-Voltage Controllers....421
26 30 Facility Electrical Power Generating And Storing Equipment....438
26 31 Photovoltaic Collectors....438
26 32 Packaged Generator Assemblies....441
26 33 Battery Equipment....445
26 35 Power Filters And Conditioners....447
26 36 Transfer Switches....448
26 40 Electrical And Cathodic Protection....450
26 41 Facility Lightning Protection....450
26 43 Surge Protective Devices....453
26 50 Lighting....456
26 51 Interior Lighting....456
26 52 Safety Lighting....479
26 53 Exit Signs....481
26 55 Special Purpose Lighting....482
26 56 Exterior Lighting....484

27 Communications 1

27 05 Common Work Results for Communications....1
27 05 26 Grounding and Bonding for Communications Systems....1
27 05 29 Hangers And Supports For Communications Systems....1
27 05 33 Conduits And Backboxes For Communications Systems....4
27 05 36 Cable Trays For Communications Systems....4
27 05 39 Surface Raceways For Communications Systems....4
27 05 43 Underground Ducts And Raceways For Communications Systems....4
27 05 46 Utility Poles For Communications Systems....4
27 05 53 Identification For Communications Systems....4
27 10 Structured Cabling....4
27 11 Communications Equipment Room Fittings....4
27 14 Communications Cabling....10
27 16 Communications Connecting Cords, Devices, And Adapters....46
27 20 Data Communications....47
27 21 Data Communications Network Equipment....47
27 30 Voice Communications....50
27 31 Voice Communications Switching and Routing Equipment....50
27 32 Voice Communications Terminal Equipment....50
27 40 Audio-Video Communications....51
27 41 Audio-Video Systems....51
27 50 Distributed Communications And Monitoring Systems....52
27 51 Distributed Audio-Video Communications Systems....52
27 52 Healthcare Communications And Monitoring Systems....53
27 53 Distributed Systems....54

28 Electronic Safety And Security 1

28 05 Common Work Results For Electronic Safety And Security....1
28 05 13 Conductors And Cables For Electronic Safety And Security....1
28 05 26 Grounding And Bonding For Electronic Safety And Security....3
28 05 28 Pathways For Electronic Safety And Security....3
28 05 53 Identification For Electronic Safety And Security....4
28 10 Access Control....4
28 15 Access Control Hardware Devices....4
28 16 Access Control Interfaces....4
28 18 Security Access Detection Equipment....10
28 20 Video Surveillance....10
28 21 Surveillance Cameras....10
28 40 Life Safety....29
28 42 Gas Detection and Alarm....29
28 43 Fuel Oil Detection And Alarm....29
28 46 Fire Detection And Alarm....29
28 47 Mass Notification....70
28 49 Electronic Personal Protection Systems....73

copyright © 2018 The Gordian Group, Inc.

31 Earthwork 1
31 01 Maintenance of Earthwork 1
31 01 20 Maintenance of Earth Moving 1
31 05 Common Work Results For Earthwork 1
31 05 13 Soils For Earthwork 1
31 05 16 Aggregates For Earthwork 1
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization 2
31 10 Site Clearing 2
31 11 Clearing And Grubbing 2
31 13 Selective Tree And Shrub Removal And Trimming 3
31 20 Earth Moving 4
31 23 Excavation And Fill 5
31 24 Embankments 13
31 25 Erosion And Sedimentation Controls 14
31 30 Earthwork Methods 18
31 31 Soil Treatment 18
31 32 Soil Stabilization 18
31 36 Gabions 21
31 37 Riprap 21
31 40 Shoring And Underpinning 21
31 41 Shoring 21
31 45 Vibroflotation And Densification 22
31 48 Underpinning 22
31 50 Excavation Support And Protection 22
31 52 Cofferdams 22
31 60 Special Foundations And Load-bearing Elements 23
31 62 Driven Piles 23
31 63 Bored Piles 26
31 64 Caissons 28
31 68 Foundation Anchors 32

32 Exterior Improvements 1
32 01 Operation And Maintenance Of Exterior Improvements 1
32 01 11 Paving Cleaning 1
32 01 13 Flexible Paving Surface Treatment 1
32 01 16 Flexible Paving Rehabilitation 2
32 01 17 Flexible Paving Repair 5
32 01 26 Rigid Paving Rehabilitation 6
32 01 90 Operation And Maintenance Of Planting 6
32 10 Bases, Ballasts, And Paving 10
32 11 Base Courses 10
32 12 Flexible Paving 10
32 13 Rigid Paving 15
32 14 Unit Paving 18
32 15 Aggregate Surfacing 22
32 16 Curbs, Gutters, Sidewalks, And Driveways 22
32 17 Paving Specialties 28
32 18 Athletic And Recreational Surfacing 40
32 30 Site Improvements 48
32 31 Fences And Gates 48
32 32 Retaining Walls 108
32 33 Site Furnishings 114
32 39 Manufactured Site Specialties 119
32 80 Irrigation 121
32 84 Planting Irrigation 121
32 90 Planting 138
32 91 Planting Preparation 138
32 92 Turf And Grasses 141
32 93 Plants 145
32 94 Planting Accessories 181
32 96 Transplanting 184

33 Utilities 1
33 01 Operation And Maintenance Of Utilities 1
33 01 10 Operation And Maintenance Of Water Utilities 1
33 01 30 Operation And Maintenance Of Sewer Utilities 1

copyright © 2018 The Gordian Group, Inc.

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems 44
33 05 Common Work Results For Utilities 44
33 05 07 Trenchless Installation of Utility Piping 45
33 05 61 Concrete Manholes 46
33 05 62 Brick Manholes 47
33 05 63 Concrete Vaults and Chambers 47
33 05 84 Accessories for Utility Structures 57
33 05 97 Identification and Signage for Utilities 60
33 10 Water Utilities 60
33 11 Groundwater Sources 60
33 14 Water Utility Transmission and Distribution 68
33 16 Water Utility Storage Tanks 154
33 19 Water Utility Metering Equipment 154
33 30 Sanitary Sewerage Utilities 155
33 31 Sanitary Sewerage Piping 155
33 32 Sanitary Sewerage Equipment 159
33 34 Onsite Wastewater Disposal 160
33 40 Stormwater Utilities 161
33 41 Subdrainage 161
33 42 Stormwater Conveyance 163
33 44 Storm Utility Water Drains 224
33 46 Stormwater Management 225
33 50 Hydrocarbon Utilities 227
33 52 Hydrocarbon Transmission and Distribution 227
33 53 Hydrocarbon Utility Pressure Regulation 229
33 56 Hydrocarbon Storage 229
33 59 Hydrocarbon Utility Metering 229
33 60 Hydronic And Steam Energy Utilities 230
33 61 Hydronic Energy Distribution 230
33 70 Electrical Utilities 250
33 71 Electrical Utility Transmission And Distribution 250

34 Transportation 1
34 40 Transportation Signaling and Control Equipment 1
34 41 Roadway Signaling and Control Equipment 1
34 70 Transportation Construction And Equipment 10
34 71 Roadway Construction 10

35 Waterway and Marine Construction 1
35 01 Operation And Maintenance Of Waterway and Marine Construction 1
35 01 70 Operation And Maintenance Of Dams 1
35 05 Common Work Results for Waterway and Marine Construction 1
35 05 70 Common Work Results for Dams 1
35 20 Waterway and Marine Construction and Equipment 1
35 22 Hydraulic Gates 1
35 24 Dredging 4

40 Process Interconnections 1
40 05 Common Work Results For Process Interconnections 1
40 05 19 Ductile Iron Process Pipe 1
40 05 23 Stainless Steel Process Pipe and Tubing 96
40 05 41 Glass Process Pipe 128

41 Material Processing And Handling Equipment 1
41 01 Operation And Maintenance Of Material Processing And Handling Equipment 1
41 01 20 Operation And Maintenance Of Piece Material Handling Equipment 1
41 20 Piece Material Handling Equipment 1
41 22 Cranes And Hoists 1

43 Process Gas and Liquid Handling, Purification, and Storage Equipment 1
43 20 Liquid Handling Equipment 1
43 23 Dry Location Liquid Pumps 1
43 24 Suspended Liquid Pumps 1
43 40 Gas and Liquid Storage 1

copyright © 2018 The Gordian Group, Inc.

43 42 Pressurized Tanks And Vessels 1

copyright © 2018 The Gordian Group, Inc.

THIS PAGE INTENTIONALLY LEFT BLANK

copyright © 2018 The Gordian Group, Inc.

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in July 2018.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

MasterFormat® is produced jointly by CSI and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For license information, contact CSI at csi@csinet.org. For more information on *MasterFormat* visit www.MasterFormat.com

The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

copyright © 2018 The Gordian Group, Inc.

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

PROJECT RELATED COSTS:

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

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor

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

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

copyright © 2018 The Gordian Group, Inc.

2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying

copyright © 2018 The Gordian Group, Inc.

required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

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

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

copyright © 2018 The Gordian Group, Inc.

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

copyright © 2018 The Gordian Group, Inc.

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

π = 3.14159

United Inch

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

TRADEMARKS

☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

copyright © 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	45.94	7.88
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.83	3.71
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.80	3.20
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.60	2.08
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.26	1.16

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	48.74	7.88
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.57	3.71
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.31	3.20
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.65	2.08
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.25	1.16

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	44.21	7.88
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	28.07	3.71
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	24.11	3.20
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	20.19	2.08
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	16.69	1.16

10 11 13 13-0020 Remove And Reinstall *(10 11 13 13)*

10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	9.76	

10 11 13 13-0022 Field Applied Chalkboard And Accessories *(10 11 13 13)*

10 11 13 13-0023 Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*

10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) Note: Includes porcelain enamel steel chalkboard skin.	15.00	3.71
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	18.11	3.71

10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*

10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	16.73	5.10
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	23.56	9.26
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	12.32	5.10
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	12.66	5.10
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	13.68	5.10
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	14.53	5.10
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	13.19	5.10

10 11 13 33 Rail-Mounted Chalkboards *(10 11 13)*

10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*

10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*

10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,207.91	92.67
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,482.76	92.67

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,814.14	98.70
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,133.49	98.70
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,910.42	106.11
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,165.14	106.11
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,709.15	111.21
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,341.47	111.21
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,027.76	92.67
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,597.08	92.67
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,119.12	98.70
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,641.84	98.70
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,293.79	106.11
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,524.15	106.11
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,482.32	111.21
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,251.28	111.21
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,377.31	92.67
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,842.82	92.67
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,344.74	98.70
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,879.11	98.70
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,912.38	106.11
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,157.57	106.11
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,275.69	111.21
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,126.81	111.21
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,644.82	92.67
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,921.79	92.67
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,195.97	98.70
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,676.83	98.70
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,028.46	106.11
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,472.24	106.11
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,892.52	92.67
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,322.53	92.67
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,751.87	98.70
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,543.05	98.70
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,033.39	106.11
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,751.47	106.11
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,325.59	92.67
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,911.81	92.67
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,497.37	98.70
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,597.80	98.70
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,239.57	106.11
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,251.02	106.11
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,531.51	185.35
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,776.83	185.35
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,048.57	191.14
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,497.90	191.14
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,992.70	196.93
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,426.14	196.93
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,365.77	208.52
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,485.67	208.52

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,453.16	185.35
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,777.50	185.35
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,137.79	191.14
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,798.12	191.14
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,453.09	196.93
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,080.58	196.93
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,350.90	208.52
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,540.93	208.52
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,494.59	185.35
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,313.17	185.35
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,745.06	191.14
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,603.68	191.14
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,504.60	196.93
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,372.75	196.93
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	23,081.81	208.52
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	23,416.11	208.52
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	643.74	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,100.28	
10 11 16		**Markerboards** *(10 11)*		
10 11 16 13		**Fixed Markerboards** *(10 11 16)*		
		Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001		Porcelain Enamel Steel Markerboards *(10 11 16 13)*		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	46.11	7.88
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.45	3.71
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.80	3.20
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.82	2.08
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.02	1.16
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	48.77	7.88
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	31.24	3.71
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.99	3.20
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.32	2.08
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.47	1.16
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	44.19	7.88
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	28.08	3.71
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	25.40	3.20
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	20.32	2.08
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	16.39	1.16
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	36.05	7.88
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.47	3.71
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	19.51	3.20
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	14.76	2.08
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.15	1.16

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	35.15	7.88
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	22.04	3.71
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	18.91	3.20
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	13.70	2.08
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.18	1.16
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	35.26	7.88
		For Magnetic Surface, Add	*1.95*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	22.26	3.71
		For Magnetic Surface, Add	*1.49*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.20	3.20
		For Magnetic Surface, Add	*1.28*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.47	2.08
		For Magnetic Surface, Add	*1.23*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.78	1.16
		For Magnetic Surface, Add	*1.15*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	35.26	7.88
		For Magnetic Surface, Add	*1.95*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	22.26	3.71
		For Magnetic Surface, Add	*1.49*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.20	3.20
		For Magnetic Surface, Add	*1.28*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.47	2.08
		For Magnetic Surface, Add	*1.23*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.78	1.16
		For Magnetic Surface, Add	*1.15*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	59.44	7.88
		For Magnetic Surface, Add	*4.37*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	36.78	3.71
		For Magnetic Surface, Add	*2.94*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	31.13	3.20
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	25.91	2.08
		For Magnetic Surface, Add	*2.17*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	19.81	1.16
		For Magnetic Surface, Add	*1.75*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	15.63	3.20
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	12.92	2.08
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	10.46	1.16
10 11 16 13-0056		Remove And Reinstall Markerboard *(10 11 16 13)*		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	55.61	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	64.87	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	74.14	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	83.41	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	92.67	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	14.75	3.71
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	17.54	3.71
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	17.48	3.71
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	9.68	3.71
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)* See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,180.96	92.67
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,446.83	92.67
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,769.22	98.70
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,079.59	98.70
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,847.54	106.11
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,093.29	106.11
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,619.33	111.21
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,233.68	111.21
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,000.81	92.67
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,561.15	92.67
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,074.21	98.70
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,587.95	98.70
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,230.91	106.11
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,452.29	106.11
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,392.49	111.21
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,143.49	111.21
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,350.36	92.67
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,806.89	92.67
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,299.83	98.70
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,825.22	98.70
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,849.51	106.11
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,085.72	106.11
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,185.86	111.21
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,045.97	111.21
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,608.89	92.67
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,876.88	92.67
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,142.08	98.70
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,604.98	98.70
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,938.64	106.11
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,364.45	106.11
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,820.66	92.67
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,232.71	92.67
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,644.08	98.70
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,399.33	98.70
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,853.74	106.11
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,535.89	106.11

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,217.80	92.67
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,777.08	92.67
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,335.69	98.70
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,382.22	98.70
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,970.10	106.11
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,927.66	106.11
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,486.60	185.35
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,720.69	185.35
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,981.20	191.14
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,408.07	191.14
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,880.42	196.93
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,291.41	196.93
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,208.58	208.52
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,306.03	208.52
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,363.34	185.35
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,665.22	185.35
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,003.06	191.14
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,618.48	191.14
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,228.53	196.93
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,811.11	196.93
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,036.52	208.52
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,181.63	208.52
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,359.85	185.35
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,144.75	185.35
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,542.96	191.14
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,334.21	191.14
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,167.76	196.93
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,968.55	196.93
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	22,610.24	208.52
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	22,877.16	208.52
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	29.96	7.88
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.30	3.71
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.01	3.20
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.11	2.08
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.06	1.16
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	31.64	7.88
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.07	3.71
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.61	3.20
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.50	2.08

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.09	1.16
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	31.82	7.88
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	19.70	3.71
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	18.32	3.20
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	14.19	2.08
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	11.35	1.16
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	34.82	7.88
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.12	3.71
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.16	3.20
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.29	2.08
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.34	1.16
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	38.88	7.88
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.46	3.71
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.53	3.20
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.47	2.08
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.66	1.16
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	31.11	7.88
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	18.71	3.71
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	16.60	3.20
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	13.75	2.08
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.51	1.16
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	33.40	7.88
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	21.69	3.71
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	20.17	3.20
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	16.22	2.08
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.47	1.16
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	29.96	7.88
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	17.38	3.71
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	15.14	3.20
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.11	2.08
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.86	1.16
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	31.82	7.88
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	20.52	3.71
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	18.32	3.20
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.19	2.08
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.35	1.16
10 12		Display Cases *(10 10)*		
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	984.20	141.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	1,056.17	141.98
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	1,026.86	141.98
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	972.66	63.11

10 12 00 00-0006 Upright Display Case *(10 12)*

10 12 00 00-0007	EA	72 In x 20 In x 70 In Upright Display Case	1,960.44	141.98

10 12 00 00-0008 Full Vision Display Case *(10 12)*

10 12 00 00-0009	EA	38 In x 20 In x 70 In Full Vision Display Case	1,309.59	141.98

10 13 Directories *(10 10)*

10 13 16 Directory And Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 16 00-0001 Wall Mounted Directories *(10 13 16)*

Note: Includes changeable letters.

10 13 16 00-0002 Open Face, Wall Mounted Directories *(10 13 16 00-0001)*

Note: Includes vinyl or felt back panel.

10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 16 00-0002)*

10 13 16 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	51.41	7.88
10 13 16 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	34.16	3.71
10 13 16 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	31.12	3.20
10 13 16 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	23.90	2.08
10 13 16 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	19.26	1.16

10 13 16 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 16 00-0002)*

10 13 16 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	51.94	7.88
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	34.51	3.71
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	31.82	3.20
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	22.75	2.08
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.79	1.16
		For Bronze Anodize Finish, Add	*12.00*	

10 13 16 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 16 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0015)*

10 13 16 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 16 00-0016)*

10 13 16 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	131.03	7.88
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	106.01	3.71
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	88.76	3.20
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	82.51	2.08
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	74.87	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 16 00-0016)*

10 13 16 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	112.32	7.88
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	91.70	3.20
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	65.83	2.08
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	59.51	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0015)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 16 00-0028)*		
10 13 16 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	117.00	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.25*	
10 13 16 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	91.45	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.81*	
10 13 16 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	77.38	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.20*	
10 13 16 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	56.97	2.08
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.56*	
10 13 16 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	53.43	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.22*	
10 13 16 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 16 00-0028)*		
10 13 16 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	181.79	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*33.21*	
10 13 16 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	105.93	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.70*	
10 13 16 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	89.23	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.57*	
10 13 16 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	68.92	2.08
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.95*	
10 13 16 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	64.02	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.34*	
10 13 16 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0041)*		
10 13 16 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 16 00-0042)*		
10 13 16 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	178.52	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	119.79	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	116.56	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0047		Wall Mounted Bulletin Boards *(10 13 16)*		
10 13 16 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0047)* Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0048)*		
10 13 16 00-0050		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 16 00-0049)*		
10 13 16 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	127.85	7.88
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	103.62	3.71
		For Fluorescent Lights, Add	*15.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.37	3.20
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	80.26	2.08
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	73.81	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 16 00-0049)*

10 13 16 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.67	7.88
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.34	3.20
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	61.68	2.08
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	56.33	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0048)*

10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 16 00-0061)*

10 13 16 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	119.91	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.83*	
10 13 16 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	94.36	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.39*	
10 13 16 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	80.28	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.78*	
10 13 16 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.87	2.08
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.14*	
10 13 16 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	56.33	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.80*	

10 13 16 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 16 00-0061)*

10 13 16 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	184.70	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*33.79*	
10 13 16 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	108.83	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.28*	
10 13 16 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.13	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.15*	
10 13 16 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	71.83	2.08
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.53*	
10 13 16 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	66.92	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.92*	

10 13 16 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 16 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0074)*

10 13 16 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0075)*

10 13 16 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	175.62	7.88
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	116.89	3.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	113.69	3.20
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

10 14 16 Plaques *(10 14)*

Note: Price includes custom lettering and emblem casting sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	416.30	23.16
		For >5 To 10, Deduct	*-44.87*	
		For >10 Each, Deduct	*-77.23*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	257.47	23.16
		For >5 To 10, Deduct	*-27.40*	
		For >10 Each, Deduct	*-43.88*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	279.91	23.16
		For >5 To 10, Deduct	*-29.86*	
		For >10 Each, Deduct	*-48.59*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	262.88	23.16
		For >5 To 10, Deduct	*-27.99*	
		For >10 Each, Deduct	*-45.01*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	189.37	23.16
		For >5 To 10, Deduct	*-19.90*	
		For >10 Each, Deduct	*-29.58*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	183.95	23.16
		For >5 To 10, Deduct	*-19.31*	
		For >10 Each, Deduct	*-28.44*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque Including Emblem Size 1-4 SF Each	323.61	28.72
		For >5 To 10, Deduct	*-34.44*	
		For >10 Each, Deduct	*-55.22*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each	329.91	28.72
		For >5 To 10, Deduct	*-35.13*	
		For >10 Each, Deduct	*-56.54*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each	291.47	28.72
		For >5 To 10, Deduct	*-30.90*	
		For >10 Each, Deduct	*-48.47*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4")	372.97	57.90
		For >5 To 10, Deduct	*-39.87*	
		For >10 Each, Deduct	*-65.58*	
10 14 16 00-0014	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	320.49	57.90
		For >5 To 10, Deduct	*-34.10*	
		For >10 Each, Deduct	*-54.56*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	166.73	15.75
		For >5 To 10, Deduct	*-17.72*	
		For >10 Each, Deduct	*-28.22*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	197.20	15.75
		For >5 To 10, Deduct	*-21.07*	
		For >10 Each, Deduct	*-34.62*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	124.75	15.75
		For >5 To 10, Deduct	*-13.10*	
		For >10 Each, Deduct	*-19.40*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	108.21	15.75
		For >5 To 10, Deduct	*-11.29*	
		For >10 Each, Deduct	*-15.93*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	312.99	57.90
		For >5 To 10, Deduct	*-33.27*	
		For >10 Each, Deduct	*-52.99*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	41.18	5.79
		For Installation With Adhesive, Deduct	*-4.38*	
		For Clear Anodized, Add	*1.80*	
		For Satin Face And Enameled Return, Add	*5.41*	
		For Patina Finish, Add	*7.21*	
		For Color Anodized, Add	*9.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	48.58	6.25
		For Installation With Adhesive, Deduct	*-4.93*	
		For Clear Anodized, Add	*2.36*	
		For Satin Face And Enameled Return, Add	*7.07*	
		For Patina Finish, Add	*9.42*	
		For Color Anodized, Add	*11.78*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	53.19	6.72
		For Installation With Adhesive, Deduct	*-5.35*	
		For Clear Anodized, Add	*2.63*	
		For Satin Face And Enameled Return, Add	*7.90*	
		For Patina Finish, Add	*10.53*	
		For Color Anodized, Add	*13.17*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	61.06	7.69
		For Installation With Adhesive, Deduct	*-6.11*	
		For Clear Anodized, Add	*3.05*	
		For Satin Face And Enameled Return, Add	*9.15*	
		For Patina Finish, Add	*12.20*	
		For Color Anodized, Add	*15.25*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	67.08	8.10
		For Installation With Adhesive, Deduct	*-6.60*	
		For Clear Anodized, Add	*3.47*	
		For Satin Face And Enameled Return, Add	*10.40*	
		For Patina Finish, Add	*13.86*	
		For Color Anodized, Add	*17.33*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	80.03	9.26
		For Installation With Adhesive, Deduct	*-7.71*	
		For Clear Anodized, Add	*4.30*	
		For Satin Face And Enameled Return, Add	*12.89*	
		For Patina Finish, Add	*17.19*	
		For Color Anodized, Add	*21.49*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	88.81	9.73
		For Installation With Adhesive, Deduct	*-8.33*	
		For Clear Anodized, Add	*4.99*	
		For Satin Face And Enameled Return, Add	*14.97*	
		For Patina Finish, Add	*19.96*	
		For Color Anodized, Add	*24.95*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	101.28	10.43
		For Installation With Adhesive, Deduct	*-9.23*	
		For Clear Anodized, Add	*5.96*	
		For Satin Face And Enameled Return, Add	*17.88*	
		For Patina Finish, Add	*23.84*	
		For Color Anodized, Add	*29.80*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	123.01	12.04
		For Installation With Adhesive, Deduct	*-10.97*	
		For Clear Anodized, Add	*7.48*	
		For Satin Face And Enameled Return, Add	*22.45*	
		For Patina Finish, Add	*29.94*	
		For Color Anodized, Add	*37.42*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	147.07	13.90
		For Installation With Adhesive, Deduct	*-12.91*	
		For Clear Anodized, Add	*9.15*	
		For Satin Face And Enameled Return, Add	*27.44*	
		For Patina Finish, Add	*36.59*	
		For Color Anodized, Add	*45.74*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	161.58	15.44
		For Installation With Adhesive, Deduct	*-14.26*	
		For Clear Anodized, Add	*9.98*	
		For Satin Face And Enameled Return, Add	*29.94*	
		For Patina Finish, Add	*39.92*	
		For Color Anodized, Add	*49.90*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	180.35	16.68
		For Installation With Adhesive, Deduct	*-15.69*	
		For Clear Anodized, Add	*11.37*	
		For Satin Face And Enameled Return, Add	*34.10*	
		For Patina Finish, Add	*45.46*	
		For Color Anodized, Add	*56.83*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	218.25	18.53
		For Installation With Adhesive, Deduct	*-18.32*	
		For Clear Anodized, Add	*14.41*	
		For Satin Face And Enameled Return, Add	*43.24*	
		For Patina Finish, Add	*57.66*	
		For Color Anodized, Add	*72.07*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	263.56	20.84
		For Installation With Adhesive, Deduct	*-21.52*	
		For Clear Anodized, Add	*18.02*	
		For Satin Face And Enameled Return, Add	*54.05*	
		For Patina Finish, Add	*72.07*	
		For Color Anodized, Add	*90.09*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	317.17	23.16
		For Installation With Adhesive, Deduct	*-25.12*	
		For Clear Anodized, Add	*22.45*	
		For Satin Face And Enameled Return, Add	*67.36*	
		For Patina Finish, Add	*89.81*	
		For Color Anodized, Add	*112.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0018		**Satin Finish, Cast Bronze Characters** *(10 14 19 00-0001)*		
10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	50.39	6.37
		For Installation With Adhesive, Deduct	*-5.07*	
		For Oxidized Finish, Add	*3.74*	
		For Polished Or Patina Finish, Add	*7.47*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	71.69	6.95
		For Installation With Adhesive, Deduct	*-6.36*	
		For Oxidized Finish, Add	*6.59*	
		For Polished Or Patina Finish, Add	*13.17*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	78.29	7.41
		For Installation With Adhesive, Deduct	*-6.88*	
		For Oxidized Finish, Add	*7.30*	
		For Polished Or Patina Finish, Add	*14.59*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	95.04	8.33
		For Installation With Adhesive, Deduct	*-8.09*	
		For Oxidized Finish, Add	*9.25*	
		For Polished Or Patina Finish, Add	*18.51*	
10 14 19 00-0023	EA	6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	105.67	8.90
		For Installation With Adhesive, Deduct	*-8.85*	
		For Oxidized Finish, Add	*10.50*	
		For Polished Or Patina Finish, Add	*21.00*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	140.42	10.20
		For Installation With Adhesive, Deduct	*-11.10*	
		For Oxidized Finish, Add	*14.95*	
		For Polished Or Patina Finish, Add	*29.90*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	160.07	10.66
		For Installation With Adhesive, Deduct	*-12.27*	
		For Oxidized Finish, Add	*17.62*	
		For Polished Or Patina Finish, Add	*35.24*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	179.20	11.58
		For Installation With Adhesive, Deduct	*-13.59*	
		For Oxidized Finish, Add	*19.93*	
		For Polished Or Patina Finish, Add	*39.86*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	212.71	13.43
		For Installation With Adhesive, Deduct	*-16.01*	
		For Oxidized Finish, Add	*23.85*	
		For Polished Or Patina Finish, Add	*47.69*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	249.78	15.28
		For Installation With Adhesive, Deduct	*-18.60*	
		For Oxidized Finish, Add	*28.30*	
		For Polished Or Patina Finish, Add	*56.59*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	295.97	18.53
		For Installation With Adhesive, Deduct	*-22.21*	
		For Oxidized Finish, Add	*33.28*	
		For Polished Or Patina Finish, Add	*66.56*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	307.46	19.92
		For Installation With Adhesive, Deduct	*-23.34*	
		For Oxidized Finish, Add	*34.17*	
		For Polished Or Patina Finish, Add	*68.34*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	435.51	23.16
		For Installation With Adhesive, Deduct	*-31.04*	
		For Oxidized Finish, Add	*51.43*	
		For Polished Or Patina Finish, Add	*102.86*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	524.20	26.06
		For Installation With Adhesive, Deduct	*-36.63*	
		For Oxidized Finish, Add	*63.00*	
		For Polished Or Patina Finish, Add	*125.99*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	666.18	30.11
		For Installation With Adhesive, Deduct	*-45.35*	
		For Oxidized Finish, Add	*81.86*	
		For Polished Or Patina Finish, Add	*163.72*	
10 14 19 00-0034		**Molded Characters** *(10 14 19)*		
10 14 19 00-0035		**Molded Plastic Characters** *(10 14 19 00-0034)*		
10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	29.02	4.63
		For Installation With Adhesive, Deduct	*-3.30*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	31.51	5.10
		For Installation With Adhesive, Deduct	*-3.61*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	34.72	5.56
		For Installation With Adhesive, Deduct	*-3.96*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	43.29	6.02
		For Installation With Adhesive, Deduct	*-4.57*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	46.75	6.49
		For Installation With Adhesive, Deduct	*-4.93*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	50.55	6.95
		For Installation With Adhesive, Deduct	*-5.31*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	58.94	8.10
		For Installation With Adhesive, Deduct	*-6.19*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	77.12	10.20
		For Installation With Adhesive, Deduct	*-7.93*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	97.17	12.04
		For Installation With Adhesive, Deduct	*-9.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	140.61	14.82
		For Installation With Adhesive, Deduct	*-12.96*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	203.77	17.37
		For Installation With Adhesive, Deduct	*-17.14*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	264.36	19.92
		For Installation With Adhesive, Deduct	*-21.19*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	482.92	26.63
		For Installation With Adhesive, Deduct	*-34.80*	
10 14 19 00-0049		Cutout Characters *(10 14 19)*		
10 14 19 00-0050		Satin Finish, Aluminum Characters *(10 14 19 00-0049)*		
10 14 19 00-0051		1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	38.41	5.79
		For Installation With Adhesive, Deduct	*-4.24*	
		For Clear Anodized, Add	*1.53*	
		For Satin Face And Enameled Return, Add	*5.34*	
		For Color Anodized, Add	*7.63*	
		For Polished Or Patina Finish, Add	*7.63*	
		For Polished Anodized Finish, Add	*11.44*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	53.19	6.72
		For Installation With Adhesive, Deduct	*-5.35*	
		For Clear Anodized, Add	*2.63*	
		For Satin Face And Enameled Return, Add	*9.22*	
		For Color Anodized, Add	*13.17*	
		For Polished Or Patina Finish, Add	*13.17*	
		For Polished Anodized Finish, Add	*19.75*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	71.24	8.10
		For Installation With Adhesive, Deduct	*-6.81*	
		For Clear Anodized, Add	*3.88*	
		For Satin Face And Enameled Return, Add	*13.58*	
		For Color Anodized, Add	*19.41*	
		For Polished Or Patina Finish, Add	*19.41*	
		For Polished Anodized Finish, Add	*29.11*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.96	9.26
		For Installation With Adhesive, Deduct	*-8.05*	
		For Clear Anodized, Add	*4.99*	
		For Satin Face And Enameled Return, Add	*17.47*	
		For Color Anodized, Add	*24.95*	
		For Polished Or Patina Finish, Add	*24.95*	
		For Polished Anodized Finish, Add	*37.43*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.89	10.43
		For Installation With Adhesive, Deduct	*-9.16*	
		For Clear Anodized, Add	*5.82*	
		For Satin Face And Enameled Return, Add	*20.37*	
		For Color Anodized, Add	*29.11*	
		For Polished Or Patina Finish, Add	*29.11*	
		For Polished Anodized Finish, Add	*43.66*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	114.70	12.04
		For Installation With Adhesive, Deduct	*-10.55*	
		For Clear Anodized, Add	*6.65*	
		For Satin Face And Enameled Return, Add	*23.29*	
		For Color Anodized, Add	*33.27*	
		For Polished Or Patina Finish, Add	*33.27*	
		For Polished Anodized Finish, Add	*49.90*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	134.59	13.90
		For Installation With Adhesive, Deduct	*-12.29*	
		For Clear Anodized, Add	*7.90*	
		For Satin Face And Enameled Return, Add	*27.65*	
		For Color Anodized, Add	*39.50*	
		For Polished Or Patina Finish, Add	*39.50*	
		For Polished Anodized Finish, Add	*59.25*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	159.56	16.68
		For Installation With Adhesive, Deduct	*-14.65*	
		For Clear Anodized, Add	*9.29*	
		For Satin Face And Enameled Return, Add	*32.50*	
		For Color Anodized, Add	*46.43*	
		For Polished Or Patina Finish, Add	*46.43*	
		For Polished Anodized Finish, Add	*69.65*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	179.45	18.53
		For Installation With Adhesive, Deduct	*-16.38*	
		For Clear Anodized, Add	*10.53*	
		For Satin Face And Enameled Return, Add	*36.87*	
		For Color Anodized, Add	*52.67*	
		For Polished Or Patina Finish, Add	*52.67*	
		For Polished Anodized Finish, Add	*79.01*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	215.05	20.84
		For Installation With Adhesive, Deduct	*-19.09*	
		For Clear Anodized, Add	*13.17*	
		For Satin Face And Enameled Return, Add	*46.08*	
		For Color Anodized, Add	*65.84*	
		For Polished Or Patina Finish, Add	*65.84*	
		For Polished Anodized Finish, Add	*98.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	246.02	22.00
		For Installation With Adhesive, Deduct	*-21.10*	
		For Clear Anodized, Add	*15.80*	
		For Satin Face And Enameled Return, Add	*55.30*	
		For Color Anodized, Add	*79.00*	
		For Polished Or Patina Finish, Add	*79.00*	
		For Polished Anodized Finish, Add	*118.50*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	303.31	23.16
		For Installation With Adhesive, Deduct	*-24.43*	
		For Clear Anodized, Add	*21.07*	
		For Satin Face And Enameled Return, Add	*73.73*	
		For Color Anodized, Add	*105.34*	
		For Polished Or Patina Finish, Add	*105.34*	
		For Polished Anodized Finish, Add	*158.00*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	432.26	27.79
		For Installation With Adhesive, Deduct	*-32.73*	
		For Clear Anodized, Add	*32.11*	
		For Satin Face And Enameled Return, Add	*112.38*	
		For Color Anodized, Add	*160.55*	
		For Polished Or Patina Finish, Add	*160.55*	
		For Polished Anodized Finish, Add	*240.82*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	48.16	5.79
		For Installation With Adhesive, Deduct	*-4.72*	
		For Clear Anodized, Add	*2.50*	
		For Satin Face And Enameled Return, Add	*8.75*	
		For Color Anodized, Add	*12.50*	
		For Polished Or Patina Finish, Add	*12.50*	
		For Polished Anodized Finish, Add	*18.75*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.47	6.72
		For Installation With Adhesive, Deduct	*-6.11*	
		For Clear Anodized, Add	*4.16*	
		For Satin Face And Enameled Return, Add	*14.56*	
		For Color Anodized, Add	*20.81*	
		For Polished Or Patina Finish, Add	*20.81*	
		For Polished Anodized Finish, Add	*31.21*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.37	8.10
		For Installation With Adhesive, Deduct	*-7.56*	
		For Clear Anodized, Add	*5.39*	
		For Satin Face And Enameled Return, Add	*18.88*	
		For Color Anodized, Add	*26.97*	
		For Polished Or Patina Finish, Add	*26.97*	
		For Polished Anodized Finish, Add	*40.46*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	107.91	9.26
		For Installation With Adhesive, Deduct	*-9.10*	
		For Clear Anodized, Add	*7.09*	
		For Satin Face And Enameled Return, Add	*24.80*	
		For Color Anodized, Add	*35.43*	
		For Polished Or Patina Finish, Add	*35.43*	
		For Polished Anodized Finish, Add	*53.14*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	124.92	10.43
		For Installation With Adhesive, Deduct	*-10.41*	
		For Clear Anodized, Add	*8.32*	
		For Satin Face And Enameled Return, Add	*29.13*	
		For Color Anodized, Add	*41.62*	
		For Polished Or Patina Finish, Add	*41.62*	
		For Polished Anodized Finish, Add	*62.43*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	146.63	12.04
		For Installation With Adhesive, Deduct	*-12.15*	
		For Clear Anodized, Add	*9.85*	
		For Satin Face And Enameled Return, Add	*34.46*	
		For Color Anodized, Add	*49.23*	
		For Polished Or Patina Finish, Add	*49.23*	
		For Polished Anodized Finish, Add	*73.85*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	171.72	13.90
		For Installation With Adhesive, Deduct	*-14.15*	
		For Clear Anodized, Add	*11.61*	
		For Satin Face And Enameled Return, Add	*40.65*	
		For Color Anodized, Add	*58.07*	
		For Polished Or Patina Finish, Add	*58.07*	
		For Polished Anodized Finish, Add	*87.10*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	212.49	16.68
		For Installation With Adhesive, Deduct	*-17.29*	
		For Clear Anodized, Add	*14.58*	
		For Satin Face And Enameled Return, Add	*51.03*	
		For Color Anodized, Add	*72.90*	
		For Polished Or Patina Finish, Add	*72.90*	
		For Polished Anodized Finish, Add	*109.34*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	245.81	18.53
		For Installation With Adhesive, Deduct	*-19.70*	
		For Clear Anodized, Add	*17.17*	
		For Satin Face And Enameled Return, Add	*60.10*	
		For Color Anodized, Add	*85.85*	
		For Polished Or Patina Finish, Add	*85.85*	
		For Polished Anodized Finish, Add	*128.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	284.84	20.84
		For Installation With Adhesive, Deduct	*-22.58*	
		For Clear Anodized, Add	*20.15*	
		For Satin Face And Enameled Return, Add	*70.51*	
		For Color Anodized, Add	*100.73*	
		For Polished Or Patina Finish, Add	*100.73*	
		For Polished Anodized Finish, Add	*151.10*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	318.71	22.00
		For Installation With Adhesive, Deduct	*-24.74*	
		For Clear Anodized, Add	*23.07*	
		For Satin Face And Enameled Return, Add	*80.74*	
		For Color Anodized, Add	*115.35*	
		For Polished Or Patina Finish, Add	*115.35*	
		For Polished Anodized Finish, Add	*173.02*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	353.87	23.16
		For Installation With Adhesive, Deduct	*-26.96*	
		For Clear Anodized, Add	*26.12*	
		For Satin Face And Enameled Return, Add	*91.43*	
		For Color Anodized, Add	*130.62*	
		For Polished Or Patina Finish, Add	*130.62*	
		For Polished Anodized Finish, Add	*195.92*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	485.39	27.79
		For Installation With Adhesive, Deduct	*-35.39*	
		For Clear Anodized, Add	*37.42*	
		For Satin Face And Enameled Return, Add	*130.98*	
		For Color Anodized, Add	*187.11*	
		For Polished Or Patina Finish, Add	*187.11*	
		For Polished Anodized Finish, Add	*280.67*	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.45	5.79
		For Installation With Adhesive, Deduct	*-5.29*	
		For Clear Anodized, Add	*3.63*	
		For Satin Face And Enameled Return, Add	*12.70*	
		For Color Anodized, Add	*18.15*	
		For Polished Or Patina Finish, Add	*18.15*	
		For Polished Anodized Finish, Add	*27.22*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	76.63	6.72
		For Installation With Adhesive, Deduct	*-6.52*	
		For Clear Anodized, Add	*4.98*	
		For Satin Face And Enameled Return, Add	*17.42*	
		For Color Anodized, Add	*24.89*	
		For Polished Or Patina Finish, Add	*24.89*	
		For Polished Anodized Finish, Add	*37.33*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	96.08	8.10
		For Installation With Adhesive, Deduct	*-8.05*	
		For Clear Anodized, Add	*6.37*	
		For Satin Face And Enameled Return, Add	*22.28*	
		For Color Anodized, Add	*31.83*	
		For Polished Or Patina Finish, Add	*31.83*	
		For Polished Anodized Finish, Add	*47.74*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	113.40	9.26
		For Installation With Adhesive, Deduct	*-9.38*	
		For Clear Anodized, Add	*7.63*	
		For Satin Face And Enameled Return, Add	*26.72*	
		For Color Anodized, Add	*38.17*	
		For Polished Or Patina Finish, Add	*38.17*	
		For Polished Anodized Finish, Add	*57.26*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	131.91	10.43
		For Installation With Adhesive, Deduct	*-10.76*	
		For Clear Anodized, Add	*9.02*	
		For Satin Face And Enameled Return, Add	*31.58*	
		For Color Anodized, Add	*45.12*	
		For Polished Or Patina Finish, Add	*45.12*	
		For Polished Anodized Finish, Add	*67.67*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	161.93	12.04
		For Installation With Adhesive, Deduct	*-12.91*	
		For Clear Anodized, Add	*11.38*	
		For Satin Face And Enameled Return, Add	*39.82*	
		For Color Anodized, Add	*56.88*	
		For Polished Or Patina Finish, Add	*56.88*	
		For Polished Anodized Finish, Add	*85.32*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	199.37	13.90
		For Installation With Adhesive, Deduct	*-15.53*	
		For Clear Anodized, Add	*14.38*	
		For Satin Face And Enameled Return, Add	*50.32*	
		For Color Anodized, Add	*71.89*	
		For Polished Or Patina Finish, Add	*71.89*	
		For Polished Anodized Finish, Add	*107.84*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	241.28	16.68
		For Installation With Adhesive, Deduct	*-18.73*	
		For Clear Anodized, Add	*17.46*	
		For Satin Face And Enameled Return, Add	*61.10*	
		For Color Anodized, Add	*87.29*	
		For Polished Or Patina Finish, Add	*87.29*	
		For Polished Anodized Finish, Add	*130.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	292.16	18.53
		For Installation With Adhesive, Deduct	*-22.02*	
		For Clear Anodized, Add	*21.81*	
		For Satin Face And Enameled Return, Add	*76.32*	
		For Color Anodized, Add	*109.03*	
		For Polished Or Patina Finish, Add	*109.03*	
		For Polished Anodized Finish, Add	*163.54*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	344.09	20.84
		For Installation With Adhesive, Deduct	*-25.54*	
		For Clear Anodized, Add	*26.07*	
		For Satin Face And Enameled Return, Add	*91.25*	
		For Color Anodized, Add	*130.36*	
		For Polished Or Patina Finish, Add	*130.36*	
		For Polished Anodized Finish, Add	*195.53*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	394.55	22.00
		For Installation With Adhesive, Deduct	*-28.53*	
		For Clear Anodized, Add	*30.65*	
		For Satin Face And Enameled Return, Add	*107.29*	
		For Color Anodized, Add	*153.27*	
		For Polished Or Patina Finish, Add	*153.27*	
		For Polished Anodized Finish, Add	*229.90*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	442.36	23.16
		For Installation With Adhesive, Deduct	*-31.38*	
		For Clear Anodized, Add	*34.97*	
		For Satin Face And Enameled Return, Add	*122.40*	
		For Color Anodized, Add	*174.86*	
		For Polished Or Patina Finish, Add	*174.86*	
		For Polished Anodized Finish, Add	*262.29*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	612.62	27.79
		For Installation With Adhesive, Deduct	*-41.75*	
		For Clear Anodized, Add	*50.15*	
		For Satin Face And Enameled Return, Add	*175.51*	
		For Color Anodized, Add	*250.73*	
		For Polished Or Patina Finish, Add	*250.73*	
		For Polished Anodized Finish, Add	*376.09*	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	62.04	5.79
		For Installation With Adhesive, Deduct	*-5.42*	
		For Clear Anodized, Add	*3.89*	
		For Satin Face And Enameled Return, Add	*13.61*	
		For Color Anodized, Add	*19.44*	
		For Polished Or Patina Finish, Add	*19.44*	
		For Polished Anodized Finish, Add	*29.16*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	79.53	6.72
		For Installation With Adhesive, Deduct	*-6.66*	
		For Clear Anodized, Add	*5.27*	
		For Satin Face And Enameled Return, Add	*18.43*	
		For Color Anodized, Add	*26.34*	
		For Polished Or Patina Finish, Add	*26.34*	
		For Polished Anodized Finish, Add	*39.50*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	104.61	8.10
		For Installation With Adhesive, Deduct	*-8.47*	
		For Clear Anodized, Add	*7.22*	
		For Satin Face And Enameled Return, Add	*25.26*	
		For Color Anodized, Add	*36.09*	
		For Polished Or Patina Finish, Add	*36.09*	
		For Polished Anodized Finish, Add	*54.14*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	138.35	9.26
		For Installation With Adhesive, Deduct	*-10.62*	
		For Clear Anodized, Add	*10.13*	
		For Satin Face And Enameled Return, Add	*35.45*	
		For Color Anodized, Add	*50.65*	
		For Polished Or Patina Finish, Add	*50.65*	
		For Polished Anodized Finish, Add	*75.97*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	173.24	10.43
		For Installation With Adhesive, Deduct	*-12.83*	
		For Clear Anodized, Add	*13.16*	
		For Satin Face And Enameled Return, Add	*46.05*	
		For Color Anodized, Add	*65.78*	
		For Polished Or Patina Finish, Add	*65.78*	
		For Polished Anodized Finish, Add	*98.67*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	217.15	12.04
		For Installation With Adhesive, Deduct	*-15.67*	
		For Clear Anodized, Add	*16.90*	
		For Satin Face And Enameled Return, Add	*59.14*	
		For Color Anodized, Add	*84.49*	
		For Polished Or Patina Finish, Add	*84.49*	
		For Polished Anodized Finish, Add	*126.74*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	270.48	13.90
		For Installation With Adhesive, Deduct	*-19.08*	
		For Clear Anodized, Add	*21.49*	
		For Satin Face And Enameled Return, Add	*75.21*	
		For Color Anodized, Add	*107.45*	
		For Polished Or Patina Finish, Add	*107.45*	
		For Polished Anodized Finish, Add	*161.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	334.14	16.68
		For Installation With Adhesive, Deduct	*-23.38*	
		For Clear Anodized, Add	*26.74*	
		For Satin Face And Enameled Return, Add	*93.60*	
		For Color Anodized, Add	*133.72*	
		For Polished Or Patina Finish, Add	*133.72*	
		For Polished Anodized Finish, Add	*200.58*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	408.03	18.53
		For Installation With Adhesive, Deduct	*-27.81*	
		For Clear Anodized, Add	*33.39*	
		For Satin Face And Enameled Return, Add	*116.87*	
		For Color Anodized, Add	*166.96*	
		For Polished Or Patina Finish, Add	*166.96*	
		For Polished Anodized Finish, Add	*250.44*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	484.97	20.84
		For Installation With Adhesive, Deduct	*-32.59*	
		For Clear Anodized, Add	*40.16*	
		For Satin Face And Enameled Return, Add	*140.56*	
		For Color Anodized, Add	*200.80*	
		For Polished Or Patina Finish, Add	*200.80*	
		For Polished Anodized Finish, Add	*301.19*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	562.03	22.00
		For Installation With Adhesive, Deduct	*-36.90*	
		For Clear Anodized, Add	*47.40*	
		For Satin Face And Enameled Return, Add	*165.90*	
		For Color Anodized, Add	*237.01*	
		For Polished Or Patina Finish, Add	*237.01*	
		For Polished Anodized Finish, Add	*355.51*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	642.49	23.16
		For Installation With Adhesive, Deduct	*-41.39*	
		For Clear Anodized, Add	*54.99*	
		For Satin Face And Enameled Return, Add	*192.45*	
		For Color Anodized, Add	*274.93*	
		For Polished Or Patina Finish, Add	*274.93*	
		For Polished Anodized Finish, Add	*412.39*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	882.06	27.79
		For Installation With Adhesive, Deduct	*-55.22*	
		For Clear Anodized, Add	*77.09*	
		For Satin Face And Enameled Return, Add	*269.81*	
		For Color Anodized, Add	*385.45*	
		For Polished Or Patina Finish, Add	*385.45*	
		For Polished Anodized Finish, Add	*578.17*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.90	5.79
		For Installation With Adhesive, Deduct	*-5.76*	
		For Clear Anodized, Add	*4.57*	
		For Satin Face And Enameled Return, Add	*16.01*	
		For Color Anodized, Add	*22.87*	
		For Polished Or Patina Finish, Add	*22.87*	
		For Polished Anodized Finish, Add	*34.31*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.06	6.72
		For Installation With Adhesive, Deduct	*-6.94*	
		For Clear Anodized, Add	*5.82*	
		For Satin Face And Enameled Return, Add	*20.37*	
		For Color Anodized, Add	*29.10*	
		For Polished Or Patina Finish, Add	*29.10*	
		For Polished Anodized Finish, Add	*43.65*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	111.60	8.10
		For Installation With Adhesive, Deduct	*-8.82*	
		For Clear Anodized, Add	*7.92*	
		For Satin Face And Enameled Return, Add	*27.71*	
		For Color Anodized, Add	*39.59*	
		For Polished Or Patina Finish, Add	*39.59*	
		For Polished Anodized Finish, Add	*59.38*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	152.32	9.26
		For Installation With Adhesive, Deduct	*-11.32*	
		For Clear Anodized, Add	*11.53*	
		For Satin Face And Enameled Return, Add	*40.34*	
		For Color Anodized, Add	*57.63*	
		For Polished Or Patina Finish, Add	*57.63*	
		For Polished Anodized Finish, Add	*86.45*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	206.42	10.43
		For Installation With Adhesive, Deduct	*-14.49*	
		For Clear Anodized, Add	*16.47*	
		For Satin Face And Enameled Return, Add	*57.66*	
		For Color Anodized, Add	*82.37*	
		For Polished Or Patina Finish, Add	*82.37*	
		For Polished Anodized Finish, Add	*123.56*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	269.71	12.04
		For Installation With Adhesive, Deduct	*-18.30*	
		For Clear Anodized, Add	*22.15*	
		For Satin Face And Enameled Return, Add	*77.54*	
		For Color Anodized, Add	*110.77*	
		For Polished Or Patina Finish, Add	*110.77*	
		For Polished Anodized Finish, Add	*166.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	340.79	13.90
		For Installation With Adhesive, Deduct	*-22.60*	
		For Clear Anodized, Add	*28.52*	
		For Satin Face And Enameled Return, Add	*99.82*	
		For Color Anodized, Add	*142.60*	
		For Polished Or Patina Finish, Add	*142.60*	
		For Polished Anodized Finish, Add	*213.90*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	423.29	16.68
		For Installation With Adhesive, Deduct	*-27.83*	
		For Clear Anodized, Add	*35.66*	
		For Satin Face And Enameled Return, Add	*124.81*	
		For Color Anodized, Add	*178.30*	
		For Polished Or Patina Finish, Add	*178.30*	
		For Polished Anodized Finish, Add	*267.44*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	512.31	18.53
		For Installation With Adhesive, Deduct	*-33.03*	
		For Clear Anodized, Add	*43.82*	
		For Satin Face And Enameled Return, Add	*153.37*	
		For Color Anodized, Add	*219.10*	
		For Polished Or Patina Finish, Add	*219.10*	
		For Polished Anodized Finish, Add	*328.65*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	629.81	20.84
		For Installation With Adhesive, Deduct	*-39.83*	
		For Clear Anodized, Add	*54.64*	
		For Satin Face And Enameled Return, Add	*191.25*	
		For Color Anodized, Add	*273.22*	
		For Polished Or Patina Finish, Add	*273.22*	
		For Polished Anodized Finish, Add	*409.82*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	750.06	22.00
		For Installation With Adhesive, Deduct	*-46.31*	
		For Clear Anodized, Add	*66.20*	
		For Satin Face And Enameled Return, Add	*231.71*	
		For Color Anodized, Add	*331.02*	
		For Polished Or Patina Finish, Add	*331.02*	
		For Polished Anodized Finish, Add	*496.53*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	884.77	23.16
		For Installation With Adhesive, Deduct	*-53.50*	
		For Clear Anodized, Add	*79.21*	
		For Satin Face And Enameled Return, Add	*277.25*	
		For Color Anodized, Add	*396.07*	
		For Polished Or Patina Finish, Add	*396.07*	
		For Polished Anodized Finish, Add	*594.10*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,248.80	27.79
		For Installation With Adhesive, Deduct	*-73.56*	
		For Clear Anodized, Add	*113.76*	
		For Satin Face And Enameled Return, Add	*398.17*	
		For Color Anodized, Add	*568.82*	
		For Polished Or Patina Finish, Add	*568.82*	
		For Polished Anodized Finish, Add	*853.22*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	51.67	5.79
		For Installation With Adhesive, Deduct	*-4.90*	
		For Oxidized Finish, Add	*4.28*	
		For Polished Finish, Add	*8.55*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	66.53	6.72
		For Installation With Adhesive, Deduct	*-6.01*	
		For Oxidized Finish, Add	*5.95*	
		For Polished Finish, Add	*11.90*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	91.49	8.10
		For Installation With Adhesive, Deduct	*-7.82*	
		For Oxidized Finish, Add	*8.86*	
		For Polished Finish, Add	*17.72*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	119.54	9.26
		For Installation With Adhesive, Deduct	*-9.68*	
		For Oxidized Finish, Add	*12.37*	
		For Polished Finish, Add	*24.74*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	152.67	10.43
		For Installation With Adhesive, Deduct	*-11.80*	
		For Oxidized Finish, Add	*16.65*	
		For Polished Finish, Add	*33.30*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	192.76	12.04
		For Installation With Adhesive, Deduct	*-14.46*	
		For Oxidized Finish, Add	*21.69*	
		For Polished Finish, Add	*43.38*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	240.91	13.90
		For Installation With Adhesive, Deduct	*-17.60*	
		For Oxidized Finish, Add	*27.80*	
		For Polished Finish, Add	*55.60*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	293.77	16.68
		For Installation With Adhesive, Deduct	*-21.36*	
		For Oxidized Finish, Add	*34.06*	
		For Polished Finish, Add	*68.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	356.32	18.53
		For Installation With Adhesive, Deduct	*-25.23*	
		For Oxidized Finish, Add	*42.33*	
		For Polished Finish, Add	*84.66*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	423.48	20.84
		For Installation With Adhesive, Deduct	*-29.51*	
		For Oxidized Finish, Add	*51.02*	
		For Polished Finish, Add	*102.03*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	519.77	22.00
		For Installation With Adhesive, Deduct	*-34.79*	
		For Oxidized Finish, Add	*64.76*	
		For Polished Finish, Add	*129.53*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	569.77	23.16
		For Installation With Adhesive, Deduct	*-37.75*	
		For Oxidized Finish, Add	*71.57*	
		For Polished Finish, Add	*143.14*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	855.14	27.79
		For Installation With Adhesive, Deduct	*-53.87*	
		For Oxidized Finish, Add	*111.60*	
		For Polished Finish, Add	*223.19*	
10 14 19 00-0136		**3/8" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	61.65	5.79
		For Installation With Adhesive, Deduct	*-5.40*	
		For Oxidized Finish, Add	*5.77*	
		For Polished Finish, Add	*11.55*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	80.42	6.72
		For Installation With Adhesive, Deduct	*-6.71*	
		For Oxidized Finish, Add	*8.03*	
		For Polished Finish, Add	*16.07*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	115.11	8.10
		For Installation With Adhesive, Deduct	*-9.00*	
		For Oxidized Finish, Add	*12.40*	
		For Polished Finish, Add	*24.80*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	152.53	9.26
		For Installation With Adhesive, Deduct	*-11.33*	
		For Oxidized Finish, Add	*17.32*	
		For Polished Finish, Add	*34.64*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	202.62	10.43
		For Installation With Adhesive, Deduct	*-14.30*	
		For Oxidized Finish, Add	*24.14*	
		For Polished Finish, Add	*48.28*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	257.83	12.04
		For Installation With Adhesive, Deduct	*-17.71*	
		For Oxidized Finish, Add	*31.45*	
		For Polished Finish, Add	*62.90*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	324.31	13.90
		For Installation With Adhesive, Deduct	*-21.77*	
		For Oxidized Finish, Add	*40.31*	
		For Polished Finish, Add	*80.62*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	384.60	16.68
		For Installation With Adhesive, Deduct	*-25.90*	
		For Oxidized Finish, Add	*47.69*	
		For Polished Finish, Add	*95.37*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	483.31	18.53
		For Installation With Adhesive, Deduct	*-31.58*	
		For Oxidized Finish, Add	*61.38*	
		For Polished Finish, Add	*122.76*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	559.52	20.84
		For Installation With Adhesive, Deduct	*-36.31*	
		For Oxidized Finish, Add	*71.42*	
		For Polished Finish, Add	*142.84*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	688.15	22.00
		For Installation With Adhesive, Deduct	*-43.21*	
		For Oxidized Finish, Add	*90.02*	
		For Polished Finish, Add	*180.04*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	784.48	23.16
		For Installation With Adhesive, Deduct	*-48.49*	
		For Oxidized Finish, Add	*103.78*	
		For Polished Finish, Add	*207.55*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,085.77	27.79
		For Installation With Adhesive, Deduct	*-65.41*	
		For Oxidized Finish, Add	*146.19*	
		For Polished Finish, Add	*292.38*	
10 14 19 00-0150		**1/2" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	77.33	5.79
		For Installation With Adhesive, Deduct	*-6.18*	
		For Oxidized Finish, Add	*8.13*	
		For Polished Finish, Add	*16.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	100.26	6.72
		For Installation With Adhesive, Deduct	*-7.70*	
		For Oxidized Finish, Add	*11.01*	
		For Polished Finish, Add	*22.02*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	144.64	8.10
		For Installation With Adhesive, Deduct	*-10.48*	
		For Oxidized Finish, Add	*16.83*	
		For Polished Finish, Add	*33.66*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	197.90	9.26
		For Installation With Adhesive, Deduct	*-13.60*	
		For Oxidized Finish, Add	*24.13*	
		For Polished Finish, Add	*48.25*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	274.76	10.43
		For Installation With Adhesive, Deduct	*-17.91*	
		For Oxidized Finish, Add	*34.96*	
		For Polished Finish, Add	*69.92*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	366.28	12.04
		For Installation With Adhesive, Deduct	*-23.13*	
		For Oxidized Finish, Add	*47.72*	
		For Polished Finish, Add	*95.43*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	454.04	13.90
		For Installation With Adhesive, Deduct	*-28.26*	
		For Oxidized Finish, Add	*59.77*	
		For Polished Finish, Add	*119.54*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	541.28	16.68
		For Installation With Adhesive, Deduct	*-33.73*	
		For Oxidized Finish, Add	*71.19*	
		For Polished Finish, Add	*142.37*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	737.29	18.53
		For Installation With Adhesive, Deduct	*-44.28*	
		For Oxidized Finish, Add	*99.48*	
		For Polished Finish, Add	*198.95*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	831.60	20.84
		For Installation With Adhesive, Deduct	*-49.92*	
		For Oxidized Finish, Add	*112.23*	
		For Polished Finish, Add	*224.47*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,037.86	22.00
		For Installation With Adhesive, Deduct	*-60.70*	
		For Oxidized Finish, Add	*142.48*	
		For Polished Finish, Add	*284.95*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,213.90	23.16
		For Installation With Adhesive, Deduct	*-69.96*	
		For Oxidized Finish, Add	*168.19*	
		For Polished Finish, Add	*336.38*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,829.73	27.79
		For Installation With Adhesive, Deduct	*-102.60*	
		For Oxidized Finish, Add	*257.78*	
		For Polished Finish, Add	*515.57*	
10 14 19 00-0164		3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	94.44	5.79
		For Installation With Adhesive, Deduct	*-7.04*	
		For Oxidized Finish, Add	*10.69*	
		For Polished Finish, Add	*21.38*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	132.00	6.72
		For Installation With Adhesive, Deduct	*-9.29*	
		For Oxidized Finish, Add	*15.77*	
		For Polished Finish, Add	*31.54*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	180.08	8.10
		For Installation With Adhesive, Deduct	*-12.25*	
		For Oxidized Finish, Add	*22.15*	
		For Polished Finish, Add	*44.30*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	243.26	9.26
		For Installation With Adhesive, Deduct	*-15.87*	
		For Oxidized Finish, Add	*30.93*	
		For Polished Finish, Add	*61.86*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	330.26	10.43
		For Installation With Adhesive, Deduct	*-20.68*	
		For Oxidized Finish, Add	*43.29*	
		For Polished Finish, Add	*86.57*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	453.03	12.04
		For Installation With Adhesive, Deduct	*-27.47*	
		For Oxidized Finish, Add	*60.73*	
		For Polished Finish, Add	*121.46*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	565.23	13.90
		For Installation With Adhesive, Deduct	*-33.82*	
		For Oxidized Finish, Add	*76.45*	
		For Polished Finish, Add	*152.89*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	659.36	16.68
		For Installation With Adhesive, Deduct	*-39.64*	
		For Oxidized Finish, Add	*88.90*	
		For Polished Finish, Add	*177.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	878.40	18.53
		For Installation With Adhesive, Deduct	*-51.33*	
		For Oxidized Finish, Add	*120.64*	
		For Polished Finish, Add	*241.29*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	960.84	20.84
		For Installation With Adhesive, Deduct	*-56.38*	
		For Oxidized Finish, Add	*131.62*	
		For Polished Finish, Add	*263.24*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,219.19	22.00
		For Installation With Adhesive, Deduct	*-69.76*	
		For Oxidized Finish, Add	*169.68*	
		For Polished Finish, Add	*339.35*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,547.89	23.16
		For Installation With Adhesive, Deduct	*-86.66*	
		For Oxidized Finish, Add	*218.29*	
		For Polished Finish, Add	*436.58*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,335.63	27.79
		For Installation With Adhesive, Deduct	*-127.90*	
		For Oxidized Finish, Add	*333.67*	
		For Polished Finish, Add	*667.34*	
10 14 19 00-0178		Satin Finish, Bronze Characters *(10 14 19 00-0049)*		
10 14 19 00-0179		1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	55.46	5.79
		For Installation With Adhesive, Deduct	*-5.09*	
		For Oxidized Finish, Add	*4.85*	
		For Polished Or Patina Finish, Add	*9.69*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	71.84	6.72
		For Installation With Adhesive, Deduct	*-6.28*	
		For Oxidized Finish, Add	*6.75*	
		For Polished Or Patina Finish, Add	*13.49*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	99.33	8.10
		For Installation With Adhesive, Deduct	*-8.21*	
		For Oxidized Finish, Add	*10.04*	
		For Polished Or Patina Finish, Add	*20.07*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	130.49	9.26
		For Installation With Adhesive, Deduct	*-10.23*	
		For Oxidized Finish, Add	*14.01*	
		For Polished Or Patina Finish, Add	*28.03*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	167.40	10.43
		For Installation With Adhesive, Deduct	*-12.54*	
		For Oxidized Finish, Add	*18.86*	
		For Polished Or Patina Finish, Add	*37.72*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.96	12.04
		For Installation With Adhesive, Deduct	*-15.42*	
		For Oxidized Finish, Add	*24.57*	
		For Polished Or Patina Finish, Add	*49.14*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	265.52	13.90
		For Installation With Adhesive, Deduct	*-18.84*	
		For Oxidized Finish, Add	*31.49*	
		For Polished Or Patina Finish, Add	*62.98*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	329.68	16.68
		For Installation With Adhesive, Deduct	*-23.15*	
		For Oxidized Finish, Add	*39.45*	
		For Polished Or Patina Finish, Add	*78.89*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	394.77	18.53
		For Installation With Adhesive, Deduct	*-27.15*	
		For Oxidized Finish, Add	*48.10*	
		For Polished Or Patina Finish, Add	*96.20*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	468.63	20.84
		For Installation With Adhesive, Deduct	*-31.77*	
		For Oxidized Finish, Add	*57.79*	
		For Polished Or Patina Finish, Add	*115.58*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	547.09	22.00
		For Installation With Adhesive, Deduct	*-36.16*	
		For Oxidized Finish, Add	*68.86*	
		For Polished Or Patina Finish, Add	*137.72*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	633.60	23.16
		For Installation With Adhesive, Deduct	*-40.94*	
		For Oxidized Finish, Add	*81.14*	
		For Polished Or Patina Finish, Add	*162.29*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	962.41	27.79
		For Installation With Adhesive, Deduct	*-59.24*	
		For Oxidized Finish, Add	*127.69*	
		For Polished Or Patina Finish, Add	*255.37*	
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	65.79	5.79
		For Installation With Adhesive, Deduct	*-5.61*	
		For Oxidized Finish, Add	*6.39*	
		For Polished Or Patina Finish, Add	*12.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	85.79	6.72
		For Installation With Adhesive, Deduct	*-6.98*	
		For Oxidized Finish, Add	*8.84*	
		For Polished Or Patina Finish, Add	*17.68*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	124.75	8.10
		For Installation With Adhesive, Deduct	*-9.48*	
		For Oxidized Finish, Add	*13.85*	
		For Polished Or Patina Finish, Add	*27.70*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	165.06	9.26
		For Installation With Adhesive, Deduct	*-11.96*	
		For Oxidized Finish, Add	*19.20*	
		For Polished Or Patina Finish, Add	*38.40*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	223.98	10.43
		For Installation With Adhesive, Deduct	*-15.37*	
		For Oxidized Finish, Add	*27.35*	
		For Polished Or Patina Finish, Add	*54.69*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	284.02	12.04
		For Installation With Adhesive, Deduct	*-19.02*	
		For Oxidized Finish, Add	*35.38*	
		For Polished Or Patina Finish, Add	*70.76*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	355.78	13.90
		For Installation With Adhesive, Deduct	*-23.35*	
		For Oxidized Finish, Add	*45.03*	
		For Polished Or Patina Finish, Add	*90.06*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	440.14	16.68
		For Installation With Adhesive, Deduct	*-28.68*	
		For Oxidized Finish, Add	*56.02*	
		For Polished Or Patina Finish, Add	*112.03*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	532.65	18.53
		For Installation With Adhesive, Deduct	*-34.04*	
		For Oxidized Finish, Add	*68.78*	
		For Polished Or Patina Finish, Add	*137.56*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	634.28	20.84
		For Installation With Adhesive, Deduct	*-40.05*	
		For Oxidized Finish, Add	*82.64*	
		For Polished Or Patina Finish, Add	*165.27*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	744.49	22.00
		For Installation With Adhesive, Deduct	*-46.03*	
		For Oxidized Finish, Add	*98.47*	
		For Polished Or Patina Finish, Add	*196.94*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	844.58	23.16
		For Installation With Adhesive, Deduct	*-51.49*	
		For Oxidized Finish, Add	*112.79*	
		For Polished Or Patina Finish, Add	*225.58*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,158.19	27.79
		For Installation With Adhesive, Deduct	*-69.03*	
		For Oxidized Finish, Add	*157.05*	
		For Polished Or Patina Finish, Add	*314.11*	

10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	68.05	5.79
		For Installation With Adhesive, Deduct	*-5.72*	
		For Oxidized Finish, Add	*6.73*	
		For Polished Or Patina Finish, Add	*13.47*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	101.98	6.72
		For Installation With Adhesive, Deduct	*-7.79*	
		For Oxidized Finish, Add	*11.27*	
		For Polished Or Patina Finish, Add	*22.54*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	145.49	8.10
		For Installation With Adhesive, Deduct	*-10.52*	
		For Oxidized Finish, Add	*16.96*	
		For Polished Or Patina Finish, Add	*33.92*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	200.56	9.26
		For Installation With Adhesive, Deduct	*-13.73*	
		For Oxidized Finish, Add	*24.53*	
		For Polished Or Patina Finish, Add	*49.05*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	274.27	10.43
		For Installation With Adhesive, Deduct	*-17.88*	
		For Oxidized Finish, Add	*34.89*	
		For Polished Or Patina Finish, Add	*69.78*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	374.11	12.04
		For Installation With Adhesive, Deduct	*-23.52*	
		For Oxidized Finish, Add	*48.89*	
		For Polished Or Patina Finish, Add	*97.78*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	485.94	13.90
		For Installation With Adhesive, Deduct	*-29.86*	
		For Oxidized Finish, Add	*64.55*	
		For Polished Or Patina Finish, Add	*129.11*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	608.45	16.68
		For Installation With Adhesive, Deduct	*-37.09*	
		For Oxidized Finish, Add	*81.26*	
		For Polished Or Patina Finish, Add	*162.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	747.49	18.53
		For Installation With Adhesive, Deduct	*-44.79*	
		For Oxidized Finish, Add	*101.01*	
		For Polished Or Patina Finish, Add	*202.01*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	896.25	20.84
		For Installation With Adhesive, Deduct	*-53.15*	
		For Oxidized Finish, Add	*121.93*	
		For Polished Or Patina Finish, Add	*243.86*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,061.24	22.00
		For Installation With Adhesive, Deduct	*-61.86*	
		For Oxidized Finish, Add	*145.98*	
		For Polished Or Patina Finish, Add	*291.97*	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,234.07	23.16
		For Installation With Adhesive, Deduct	*-70.97*	
		For Oxidized Finish, Add	*171.21*	
		For Polished Or Patina Finish, Add	*342.43*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,728.52	27.79
		For Installation With Adhesive, Deduct	*-97.54*	
		For Oxidized Finish, Add	*242.60*	
		For Polished Or Patina Finish, Add	*485.21*	

10 14 19 00-0221 Satin Finish, Copper Characters *(10 14 19 00-0049)*

10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	51.67	5.79
		For Installation With Adhesive, Deduct	*-4.90*	
		For Polished Finish, Add	*8.55*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	67.59	6.72
		For Installation With Adhesive, Deduct	*-6.07*	
		For Polished Finish, Add	*12.22*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	95.56	8.10
		For Installation With Adhesive, Deduct	*-8.02*	
		For Polished Finish, Add	*18.94*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	126.67	9.26
		For Installation With Adhesive, Deduct	*-10.04*	
		For Polished Finish, Add	*26.88*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	160.82	10.43
		For Installation With Adhesive, Deduct	*-12.21*	
		For Polished Finish, Add	*35.74*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	204.98	12.04
		For Installation With Adhesive, Deduct	*-15.07*	
		For Polished Finish, Add	*47.04*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	257.21	13.90
		For Installation With Adhesive, Deduct	*-18.42*	
		For Polished Finish, Add	*60.49*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	317.19	16.68
		For Installation With Adhesive, Deduct	*-22.53*	
		For Polished Finish, Add	*75.15*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	380.61	18.53
		For Installation With Adhesive, Deduct	*-26.44*	
		For Polished Finish, Add	*91.95*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	450.98	20.84
		For Installation With Adhesive, Deduct	*-30.89*	
		For Polished Finish, Add	*110.28*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	526.90	22.00
		For Installation With Adhesive, Deduct	*-35.15*	
		For Polished Finish, Add	*131.66*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	608.90	23.16
		For Installation With Adhesive, Deduct	*-39.71*	
		For Polished Finish, Add	*154.88*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	875.36	27.79
		For Installation With Adhesive, Deduct	*-54.89*	
		For Polished Finish, Add	*229.26*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	58.80	5.79
		For Installation With Adhesive, Deduct	*-5.26*	
		For Polished Finish, Add	*10.69*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	79.81	6.72
		For Installation With Adhesive, Deduct	*-6.68*	
		For Polished Finish, Add	*15.89*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	117.66	8.10
		For Installation With Adhesive, Deduct	*-9.13*	
		For Polished Finish, Add	*25.57*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	162.51	9.26
		For Installation With Adhesive, Deduct	*-11.83*	
		For Polished Finish, Add	*37.64*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	220.39	10.43
		For Installation With Adhesive, Deduct	*-15.19*	
		For Polished Finish, Add	*53.61*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	275.55	12.04
		For Installation With Adhesive, Deduct	*-18.59*	
		For Polished Finish, Add	*68.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	347.94	13.90
		For Installation With Adhesive, Deduct	*-22.96*	
		For Polished Finish, Add	*87.71*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	429.92	16.68
		For Installation With Adhesive, Deduct	*-28.17*	
		For Polished Finish, Add	*108.97*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	518.53	18.53
		For Installation With Adhesive, Deduct	*-33.34*	
		For Polished Finish, Add	*133.33*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	616.39	20.84
		For Installation With Adhesive, Deduct	*-39.16*	
		For Polished Finish, Add	*159.90*	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	724.40	22.00
		For Installation With Adhesive, Deduct	*-45.02*	
		For Polished Finish, Add	*190.91*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	815.41	23.16
		For Installation With Adhesive, Deduct	*-50.03*	
		For Polished Finish, Add	*216.83*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,142.82	27.79
		For Installation With Adhesive, Deduct	*-68.26*	
		For Polished Finish, Add	*309.50*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	46.45	5.79
		For Installation With Adhesive, Deduct	*-4.64*	
		For Polished Finish, Add	*6.99*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	60.63	6.72
		For Installation With Adhesive, Deduct	*-5.72*	
		For Polished Finish, Add	*10.13*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	77.84	8.10
		For Installation With Adhesive, Deduct	*-7.14*	
		For Polished Finish, Add	*13.62*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	99.94	9.26
		For Installation With Adhesive, Deduct	*-8.70*	
		For Polished Finish, Add	*18.86*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	122.02	10.43
		For Installation With Adhesive, Deduct	*-10.27*	
		For Polished Finish, Add	*24.10*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	149.47	12.04
		For Installation With Adhesive, Deduct	*-12.29*	
		For Polished Finish, Add	*30.39*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	179.01	13.90
		For Installation With Adhesive, Deduct	*-14.51*	
		For Polished Finish, Add	*37.03*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	214.57	16.68
		For Installation With Adhesive, Deduct	*-17.40*	
		For Polished Finish, Add	*44.36*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	249.93	18.53
		For Installation With Adhesive, Deduct	*-19.91*	
		For Polished Finish, Add	*52.75*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	291.80	20.84
		For Installation With Adhesive, Deduct	*-22.93*	
		For Polished Finish, Add	*62.53*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	338.36	22.00
		For Installation With Adhesive, Deduct	*-25.72*	
		For Polished Finish, Add	*75.10*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	386.06	23.16
		For Installation With Adhesive, Deduct	*-28.57*	
		For Polished Finish, Add	*88.03*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	528.01	27.79
		For Installation With Adhesive, Deduct	*-37.52*	
		For Polished Finish, Add	*125.05*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	54.60	5.79
		For Installation With Adhesive, Deduct	*-5.05*	
		For Polished Finish, Add	*9.43*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	72.44	6.72
		For Installation With Adhesive, Deduct	*-6.31*	
		For Polished Finish, Add	*13.67*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	92.83	8.10
		For Installation With Adhesive, Deduct	*-7.88*	
		For Polished Finish, Add	*18.12*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	118.17	9.26
		For Installation With Adhesive, Deduct	*-9.61*	
		For Polished Finish, Add	*24.33*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	145.32	10.43
		For Installation With Adhesive, Deduct	*-11.43*	
		For Polished Finish, Add	*31.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	178.85	12.04
		For Installation With Adhesive, Deduct	*-13.76*	
		For Polished Finish, Add	*39.20*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	214.80	13.90
		For Installation With Adhesive, Deduct	*-16.30*	
		For Polished Finish, Add	*47.76*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	257.46	16.68
		For Installation With Adhesive, Deduct	*-19.54*	
		For Polished Finish, Add	*57.23*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	299.16	18.53
		For Installation With Adhesive, Deduct	*-22.37*	
		For Polished Finish, Add	*67.52*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	350.16	20.84
		For Installation With Adhesive, Deduct	*-25.85*	
		For Polished Finish, Add	*80.03*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	393.43	22.00
		For Installation With Adhesive, Deduct	*-28.47*	
		For Polished Finish, Add	*91.62*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	450.61	23.16
		For Installation With Adhesive, Deduct	*-31.79*	
		For Polished Finish, Add	*107.39*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	619.71	27.79
		For Installation With Adhesive, Deduct	*-42.10*	
		For Polished Finish, Add	*152.56*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	65.08	5.79
		For Installation With Adhesive, Deduct	*-5.57*	
		For Polished Finish, Add	*12.58*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.64	6.72
		For Installation With Adhesive, Deduct	*-7.07*	
		For Polished Finish, Add	*18.23*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	112.81	8.10
		For Installation With Adhesive, Deduct	*-8.88*	
		For Polished Finish, Add	*24.11*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	147.72	9.26
		For Installation With Adhesive, Deduct	*-11.09*	
		For Polished Finish, Add	*33.20*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	183.08	10.43
		For Installation With Adhesive, Deduct	*-13.32*	
		For Polished Finish, Add	*42.42*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	226.46	12.04
		For Installation With Adhesive, Deduct	*-16.14*	
		For Polished Finish, Add	*53.49*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	272.81	13.90
		For Installation With Adhesive, Deduct	*-19.20*	
		For Polished Finish, Add	*65.17*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	326.96	16.68
		For Installation With Adhesive, Deduct	*-23.02*	
		For Polished Finish, Add	*78.08*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	388.82	18.53
		For Installation With Adhesive, Deduct	*-26.85*	
		For Polished Finish, Add	*94.41*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	456.45	20.84
		For Installation With Adhesive, Deduct	*-31.16*	
		For Polished Finish, Add	*111.92*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	511.09	22.00
		For Installation With Adhesive, Deduct	*-34.36*	
		For Polished Finish, Add	*126.92*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	588.52	23.16
		For Installation With Adhesive, Deduct	*-38.69*	
		For Polished Finish, Add	*148.76*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	815.63	27.79
		For Installation With Adhesive, Deduct	*-51.90*	
		For Polished Finish, Add	*211.34*	

10 14 23 Panel Signage *(10 14)*

10 14 23 00-0001 Indoor/Outdoor Signs *(10 14 23)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 00-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 00-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	20.98	8.49
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-1.20*	
		For Clear Glass Mount, Add	*3.21*	
		For Glow-In-Dark, Add	*8.02*	
		For Reflective Finish, Add	*9.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	23.84	8.49
		For >25 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-2.06*	
		For Clear Glass Mount, Add	*5.50*	
		For Glow-In-Dark, Add	*13.74*	
		For Reflective Finish, Add	*15.46*	
10 14 23 00-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	28.42	8.49
		For >25 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-3.44*	
		For Clear Glass Mount, Add	*9.16*	
		For Glow-In-Dark, Add	*22.90*	
		For Reflective Finish, Add	*25.76*	
10 14 23 00-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	34.15	8.49
		For >25 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-4.30*	
		For >100, Deduct	*-5.15*	
		For Clear Glass Mount, Add	*13.74*	
		For Glow-In-Dark, Add	*34.36*	
		For Reflective Finish, Add	*38.66*	
10 14 23 00-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	44.46	8.49
		For >25 To 50, Deduct	*-2.75*	
		For >50 To 100, Deduct	*-6.87*	
		For >100, Deduct	*-8.25*	
		For Clear Glass Mount, Add	*21.99*	
		For Glow-In-Dark, Add	*54.98*	
		For Reflective Finish, Add	*61.85*	
10 14 23 00-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	62.79	8.49
		For >25 To 50, Deduct	*-4.58*	
		For >50 To 100, Deduct	*-11.46*	
		For >100, Deduct	*-13.75*	
		For Clear Glass Mount, Add	*36.66*	
		For Glow-In-Dark, Add	*91.64*	
		For Reflective Finish, Add	*103.10*	
10 14 23 00-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	85.69	8.49
		For >25 To 50, Deduct	*-6.87*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-20.62*	
		For Clear Glass Mount, Add	*54.98*	
		For Glow-In-Dark, Add	*137.44*	
		For Reflective Finish, Add	*154.62*	
10 14 23 00-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.10	0.01
		For Clear Glass Mount, Add	*0.06*	
		For Glow-In-Dark, Add	*0.16*	
		For Reflective Finish, Add	*0.18*	

10 14 23 00-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 00-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 00-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	22.12	8.49
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-1.55*	
		For Glow-In-Dark, Add	*10.30*	
		For Reflective Finish, Add	*11.07*	
10 14 23 00-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	24.99	8.49
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-2.41*	
		For Glow-In-Dark, Add	*16.04*	
		For Reflective Finish, Add	*17.24*	
10 14 23 00-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.71	8.49
		For >25 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.44*	
		For >100, Deduct	*-4.12*	
		For Glow-In-Dark, Add	*27.48*	
		For Reflective Finish, Add	*29.54*	
10 14 23 00-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	36.44	8.49
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-5.84*	
		For Glow-In-Dark, Add	*38.94*	
		For Reflective Finish, Add	*41.86*	
10 14 23 00-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	45.03	8.49
		For >25 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-7.02*	
		For >100, Deduct	*-8.42*	
		For Glow-In-Dark, Add	*56.12*	
		For Reflective Finish, Add	*60.33*	
10 14 23 00-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	53.62	8.49
		For >25 To 50, Deduct	*-3.67*	
		For >50 To 100, Deduct	*-9.16*	
		For >100, Deduct	*-11.00*	
		For Glow-In-Dark, Add	*73.30*	
		For Reflective Finish, Add	*78.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	62.79	8.49
		For >25 To 50, Deduct	*-4.58*	
		For >50 To 100, Deduct	*-11.46*	
		For >100, Deduct	*-13.75*	
		For Glow-In-Dark, Add	*91.64*	
		For Reflective Finish, Add	*98.51*	
10 14 23 00-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.07	0.01
		For Glow-In-Dark, Add	*0.10*	
		For Reflective Finish, Add	*0.11*	

10 14 23 00-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 00-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	30.71	8.49
		For >25 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.44*	
		For >100, Deduct	*-4.12*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 00-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	34.15	8.49
		For >25 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-4.30*	
		For >100, Deduct	*-5.15*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 00-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	39.88	8.49
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-6.87*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 00-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	45.26	8.49
		For >25 To 50, Deduct	*-2.83*	
		For >50 To 100, Deduct	*-7.07*	
		For >100, Deduct	*-8.49*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 00-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.49	0.08
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 00-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 00-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	38.73	8.49
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-5.44*	
		For >100, Deduct	*-6.53*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 00-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	45.61	8.49
		For >25 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-7.16*	
		For >100, Deduct	*-8.59*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 00-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	54.77	8.49
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-9.45*	
		For >100, Deduct	*-11.34*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 00-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.09	8.49
		For >25 To 50, Deduct	*-5.61*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-16.84*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 00-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.73	0.08
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 00-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 00-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	21.55	8.49
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-1.37*	
		For Glow-In-Dark, Add	*2.75*	
		For Reflective Finish, Add	*3.44*	
10 14 23 00-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	24.99	8.49
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-2.41*	
		For Glow-In-Dark, Add	*4.81*	
		For Reflective Finish, Add	*6.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	31.86	8.49
		For >25 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.72*	
		For >100, Deduct	*-4.47*	
		For Glow-In-Dark, Add	*8.93*	
		For Reflective Finish, Add	*11.17*	
10 14 23 00-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	39.88	8.49
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-6.87*	
		For Glow-In-Dark, Add	*13.75*	
		For Reflective Finish, Add	*17.18*	
10 14 23 00-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	63.93	8.49
		For >25 To 50, Deduct	*-4.70*	
		For >50 To 100, Deduct	*-11.74*	
		For >100, Deduct	*-14.09*	
		For Glow-In-Dark, Add	*28.18*	
		For Reflective Finish, Add	*35.22*	
10 14 23 00-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	74.24	8.49
		For >25 To 50, Deduct	*-5.73*	
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-17.18*	
		For Glow-In-Dark, Add	*34.36*	
		For Reflective Finish, Add	*42.95*	
10 14 23 00-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	87.98	8.49
		For >25 To 50, Deduct	*-7.10*	
		For >50 To 100, Deduct	*-17.75*	
		For >100, Deduct	*-21.30*	
		For Glow-In-Dark, Add	*42.61*	
		For Reflective Finish, Add	*53.26*	
10 14 23 00-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.10	0.01
		For Glow-In-Dark, Add	*0.05*	
		For Reflective Finish, Add	*0.06*	

10 14 23 00-0042 California Title 24, Surface Mount, Signs *(10 14 23 00-0002)*

10 14 23 00-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 00-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 00-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	59.06	8.49
		For >25 To 50, Deduct	*-4.21*	
		For >50 To 100, Deduct	*-6.31*	
		For >100, Deduct	*-7.16*	
10 14 23 00-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	59.06	8.49
		For >25 To 50, Deduct	*-4.21*	
		For >50 To 100, Deduct	*-6.31*	
		For >100, Deduct	*-7.16*	
10 14 23 00-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	75.90	8.49
		For >25 To 50, Deduct	*-5.89*	
		For >50 To 100, Deduct	*-8.84*	
		For >100, Deduct	*-10.02*	

10 14 23 00-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 00-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 00-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	111.98	8.49
		For >25 To 50, Deduct	*-9.50*	
		For >50 To 100, Deduct	*-14.25*	
		For >100, Deduct	*-16.15*	

10 14 23 00-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 00-0049)*

10 14 23 00-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	30.06	11.88
		For >25 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-1.89*	
		For Glow-In-Dark, Add	*3.78*	
		For Reflective Finish, Add	*4.73*	
10 14 23 00-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	35.21	11.88
		For >25 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-3.44*	
		For Glow-In-Dark, Add	*6.87*	
		For Reflective Finish, Add	*8.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	42.09	11.88
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-5.50*	
		For Glow-In-Dark, Add	*11.00*	
		For Reflective Finish, Add	*13.75*	
10 14 23 00-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	52.40	11.88
		For >25 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-7.16*	
		For >100, Deduct	*-8.59*	
		For Glow-In-Dark, Add	*17.18*	
		For Reflective Finish, Add	*21.48*	
10 14 23 00-0055		90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*		
10 14 23 00-0056		Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0055)*		
10 14 23 00-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	30.63	11.88
		For >25 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-2.06*	
		For Glow-In-Dark, Add	*4.12*	
		For Reflective Finish, Add	*5.15*	
10 14 23 00-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	36.36	11.88
		For >25 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-3.78*	
		For Glow-In-Dark, Add	*7.56*	
		For Reflective Finish, Add	*9.45*	
10 14 23 00-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	48.96	11.88
		For >25 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-6.30*	
		For >100, Deduct	*-7.56*	
		For Glow-In-Dark, Add	*15.12*	
		For Reflective Finish, Add	*18.90*	
10 14 23 00-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	53.54	11.88
		For >25 To 50, Deduct	*-2.98*	
		For >50 To 100, Deduct	*-7.45*	
		For >100, Deduct	*-8.93*	
		For Glow-In-Dark, Add	*17.87*	
		For Reflective Finish, Add	*22.34*	
10 14 23 00-0061		Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*		
10 14 23 00-0062		Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0061)*		
10 14 23 00-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	32.35	11.88
		For >25 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-2.58*	
		For Glow-In-Dark, Add	*5.15*	
		For Reflective Finish, Add	*6.44*	
10 14 23 00-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	40.94	11.88
		For >25 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-4.30*	
		For >100, Deduct	*-5.15*	
		For Glow-In-Dark, Add	*10.31*	
		For Reflective Finish, Add	*12.89*	
10 14 23 00-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	44.38	11.88
		For >25 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-5.16*	
		For >100, Deduct	*-6.19*	
		For Glow-In-Dark, Add	*12.37*	
		For Reflective Finish, Add	*15.47*	
10 14 23 00-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	48.96	11.88
		For >25 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-6.30*	
		For >100, Deduct	*-7.56*	
		For Glow-In-Dark, Add	*15.12*	
		For Reflective Finish, Add	*18.90*	
10 14 23 00-0067		Adhesive Backed Vinyl Characters *(10 14 23)* Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 00-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.12	0.68
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.35*	
10 14 23 00-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.18	0.78
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.37*	
10 14 23 00-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.25	0.88
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.39*	
10 14 23 00-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.06	1.02
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.15	1.18
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.52*	
10 14 23 00-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.45	1.35
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.76*	
10 14 23 00-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.74	1.52
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.83*	
10 14 23 00-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.31	1.70
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.14*	
10 14 23 00-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.49	1.87
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.43*	
10 14 23 00-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.57	2.04
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.86*	

10 14 23 00-0078 Standoffs For Wall Signage *(10 14 23)*

Note: Exxcludes signage

10 14 23 00-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	10.81	4.63
10 14 23 00-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	11.01	4.63
10 14 23 00-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	11.06	4.63
10 14 23 00-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	11.63	4.63
10 14 23 00-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	11.83	4.63
10 14 23 00-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	12.23	4.63
10 14 23 00-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	12.40	5.56
10 14 23 00-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	12.95	5.56
10 14 23 00-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	13.40	5.56
10 14 23 00-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	14.32	5.56
10 14 23 00-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	14.97	5.56
10 14 23 00-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	15.77	5.56
10 14 23 00-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	11.78	4.63
10 14 23 00-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	11.93	4.63
10 14 23 00-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	12.85	5.56
10 14 23 00-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	13.00	5.56
10 14 23 00-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	14.12	5.56
10 14 23 00-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	14.22	5.56

10 14 23 00-0097 Removal And Reinstallation Of Building Signage *(10 14 23)*

Note: Includes storage and cleaning.

10 14 23 00-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	162.18	
10 14 23 00-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	186.12	
10 14 23 00-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	209.29	
10 14 23 00-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	50.92	

10 14 23 00-0102 Building Sign *(10 14 23)*

Note: Includes 4" numbers painted on. Installed on building.

10 14 23 00-0103	EA	6" x 18" Metal Building Sign With Numbers	111.99	20.38
10 14 23 00-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	31.24	6.49
10 14 23 00-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	24.15	6.02
10 14 23 00-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	21.10	5.10
10 14 23 00-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	24.26	5.56
10 14 23 00-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	26.59	6.02
10 14 23 00-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	31.14	6.49

10 14 53 Traffic Signage *(10 14)*

10 14 53 00-0001 Traffic Signs *(10 14 53)*

10 14 53 00-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 00-0001)*

Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 00-0002)*

10 14 53 00-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	52.01	15.28
		For Hi-Intensity Grade, Add	*6.44*	
		For Diamond Grade, Add	*12.23*	
10 14 53 00-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	60.30	16.16
		For Hi-Intensity Grade, Add	*8.42*	
		For Diamond Grade, Add	*15.99*	
10 14 53 00-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	65.30	16.97
		For Hi-Intensity Grade, Add	*12.85*	
		For Diamond Grade, Add	*20.38*	
10 14 53 00-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	75.80	17.86
		For Hi-Intensity Grade, Add	*4.82*	
		For Diamond Grade, Add	*26.10*	
10 14 53 00-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	101.70	18.67
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*44.40*	

10 14 53 00-0009 Other Reflectorized Traffic Signs *(10 14 53 00-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0010		Aluminum Engineer Grade Traffic Signs *(10 14 53 00-0009)*		
10 14 53 00-0011	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	32.47	13.58
		For Hi-Intensity Grade, Add	*1.59*	
10 14 53 00-0012	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	35.13	13.58
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0013	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	35.13	13.58
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0014	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	37.12	13.58
		For Hi-Intensity Grade, Add	*2.99*	
10 14 53 00-0015	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	39.12	13.58
		For Hi-Intensity Grade, Add	*3.59*	
10 14 53 00-0016	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	44.80	14.43
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0017	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	60.74	14.43
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0018	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	37.79	13.58
		For Hi-Intensity Grade, Add	*3.19*	
10 14 53 00-0019	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	44.80	14.43
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0020	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	50.11	14.43
		For Hi-Intensity Grade, Add	*6.38*	
10 14 53 00-0021	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	55.43	14.43
		For Hi-Intensity Grade, Add	*7.97*	
10 14 53 00-0022	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	60.74	14.43
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0023	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	52.77	14.43
		For Hi-Intensity Grade, Add	*7.17*	
10 14 53 00-0024	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	60.74	14.43
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0025	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	70.41	15.28
		For Hi-Intensity Grade, Add	*11.96*	
10 14 53 00-0026	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	78.38	15.28
		For Hi-Intensity Grade, Add	*14.35*	
10 14 53 00-0027	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	101.11	18.67
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0028	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	109.08	18.67
		For Hi-Intensity Grade, Add	*21.52*	
10 14 53 00-0029	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	73.07	15.28
		For Hi-Intensity Grade, Add	*12.75*	
10 14 53 00-0030	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	83.70	15.28
		For Hi-Intensity Grade, Add	*15.94*	
10 14 53 00-0031	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	94.32	15.28
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0032	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	111.74	18.67
		For Hi-Intensity Grade, Add	*22.32*	
10 14 53 00-0033	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	122.37	18.67
		For Hi-Intensity Grade, Add	*25.51*	
10 14 53 00-0034	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	132.99	18.67
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0035	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	143.62	18.67
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0036	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	96.98	15.28
		For Hi-Intensity Grade, Add	*19.93*	
10 14 53 00-0037	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	117.05	18.67
		For Hi-Intensity Grade, Add	*23.91*	
10 14 53 00-0038	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	130.34	18.67
		For Hi-Intensity Grade, Add	*27.90*	
10 14 53 00-0039	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	150.41	22.07
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0040	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	183.76	25.46
		For Hi-Intensity Grade, Add	*39.85*	
10 14 53 00-0041	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	132.99	18.67
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0042	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	155.73	22.07
		For Hi-Intensity Grade, Add	*33.48*	
10 14 53 00-0043	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	178.45	25.46
		For Hi-Intensity Grade, Add	*38.26*	
10 14 53 00-0044	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	194.39	25.46
		For Hi-Intensity Grade, Add	*43.04*	
10 14 53 00-0045	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	217.13	28.86
		For Hi-Intensity Grade, Add	*47.82*	
10 14 53 00-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	258.46	32.25
		For Hi-Intensity Grade, Add	*58.19*	
10 14 53 00-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	271.74	32.25
		For Hi-Intensity Grade, Add	*62.17*	
10 14 53 00-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	361.62	37.35
		For Hi-Intensity Grade, Add	*86.08*	
10 14 53 00-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	181.10	25.46
		For Hi-Intensity Grade, Add	*39.05*	
10 14 53 00-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	227.76	28.86
		For Hi-Intensity Grade, Add	*51.01*	
10 14 53 00-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	255.80	32.25
		For Hi-Intensity Grade, Add	*57.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	277.05	32.25
		For Hi-Intensity Grade, Add	*63.76*	
10 14 53 00-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	308.49	37.35
		For Hi-Intensity Grade, Add	*70.14*	
10 14 53 00-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	329.74	37.35
		For Hi-Intensity Grade, Add	*76.52*	
10 14 53 00-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	379.04	40.74
		For Hi-Intensity Grade, Add	*89.27*	
10 14 53 00-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	421.55	40.74
		For Hi-Intensity Grade, Add	*102.02*	
10 14 53 00-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	442.80	40.74
		For Hi-Intensity Grade, Add	*108.40*	
10 14 53 00-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	467.46	42.44
		For Hi-Intensity Grade, Add	*114.77*	
10 14 53 00-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	400.30	40.74
		For Hi-Intensity Grade, Add	*95.65*	
10 14 53 00-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	873.81	54.32
		For Hi-Intensity Grade, Add	*229.55*	
10 14 53 00-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	637.49	42.44
		For Hi-Intensity Grade, Add	*165.78*	

10 14 53 00-0062 Non-Reflectorized Traffic Signs *(10 14 53 00-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*

10 14 53 00-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign	31.75	13.58
10 14 53 00-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign	34.05	13.58
10 14 53 00-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign	34.05	13.58
10 14 53 00-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign	35.77	13.58
10 14 53 00-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign	37.50	13.58
10 14 53 00-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign	42.64	14.43
10 14 53 00-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign	56.42	14.43
10 14 53 00-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign	36.35	13.58
10 14 53 00-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign	42.64	14.43
10 14 53 00-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign	47.23	14.43
10 14 53 00-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign	51.83	14.43
10 14 53 00-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign	56.42	14.43
10 14 53 00-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign	49.53	14.43
10 14 53 00-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign	56.42	14.43
10 14 53 00-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign	65.01	15.28
10 14 53 00-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign	71.90	15.28
10 14 53 00-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign	92.47	18.67
10 14 53 00-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign	99.36	18.67
10 14 53 00-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign	67.31	15.28
10 14 53 00-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign	76.50	15.28
10 14 53 00-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign	85.68	15.28
10 14 53 00-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign	101.66	18.67
10 14 53 00-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign	110.85	18.67
10 14 53 00-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign	120.03	18.67
10 14 53 00-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign	129.22	18.67
10 14 53 00-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign	87.98	15.28
10 14 53 00-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign	106.25	18.67
10 14 53 00-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign	117.74	18.67
10 14 53 00-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign	136.01	22.07
10 14 53 00-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign	165.76	25.46
10 14 53 00-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign	120.03	18.67
10 14 53 00-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign	140.61	22.07
10 14 53 00-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign	161.17	25.46
10 14 53 00-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign	174.95	25.46
10 14 53 00-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign	195.53	28.86
10 14 53 00-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign	232.18	32.25
10 14 53 00-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign	243.66	32.25
10 14 53 00-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign	322.74	37.35
10 14 53 00-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign	163.46	25.46
10 14 53 00-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign	204.72	28.86
10 14 53 00-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign	229.88	32.25
10 14 53 00-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign	248.25	32.25
10 14 53 00-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign	276.81	37.35
10 14 53 00-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign	295.18	37.35
10 14 53 00-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign	338.72	40.74
10 14 53 00-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign	375.47	40.74
10 14 53 00-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign	393.84	40.74
10 14 53 00-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign	415.62	42.44
10 14 53 00-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign	357.10	40.74
10 14 53 00-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign	770.13	54.32
10 14 53 00-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign	562.61	42.44

10 14 53 00-0115 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*

10 14 53 00-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	31.94	13.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	34.33	13.58
10 14 53 00-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	34.33	13.58
10 14 53 00-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	36.12	13.58
10 14 53 00-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	37.92	13.58
10 14 53 00-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	43.20	14.43
10 14 53 00-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	57.54	14.43
10 14 53 00-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	36.72	13.58
10 14 53 00-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	43.20	14.43
10 14 53 00-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	47.98	14.43
10 14 53 00-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	52.76	14.43
10 14 53 00-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	57.54	14.43
10 14 53 00-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	50.37	14.43
10 14 53 00-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	57.54	14.43
10 14 53 00-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	66.42	15.28
10 14 53 00-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	73.59	15.28
10 14 53 00-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	94.72	18.67
10 14 53 00-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	101.89	18.67
10 14 53 00-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	68.81	15.28
10 14 53 00-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	78.37	15.28
10 14 53 00-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	87.93	15.28
10 14 53 00-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	104.28	18.67
10 14 53 00-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	113.84	18.67
10 14 53 00-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	123.40	18.67
10 14 53 00-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	132.97	18.67
10 14 53 00-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	90.32	15.28
10 14 53 00-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	109.06	18.67
10 14 53 00-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	121.01	18.67
10 14 53 00-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	139.76	22.07
10 14 53 00-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	170.44	25.46
10 14 53 00-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	123.40	18.67
10 14 53 00-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	144.54	22.07
10 14 53 00-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	165.66	25.46
10 14 53 00-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	180.00	25.46
10 14 53 00-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	201.14	28.86
10 14 53 00-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	239.01	32.25
10 14 53 00-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	250.96	32.25
10 14 53 00-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	332.85	37.35
10 14 53 00-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	168.05	25.46
10 14 53 00-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	210.71	28.86
10 14 53 00-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	236.62	32.25
10 14 53 00-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	255.74	32.25
10 14 53 00-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	285.05	37.35
10 14 53 00-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	304.17	37.35
10 14 53 00-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	349.20	40.74
10 14 53 00-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	387.45	40.74
10 14 53 00-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	406.57	40.74
10 14 53 00-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	429.10	42.44
10 14 53 00-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	368.33	40.74
10 14 53 00-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	797.09	54.32
10 14 53 00-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	582.08	42.44

10 14 53 00-0167 Aluminum Street Signs *(10 14 53 00-0001)*
Note: Excludes posts.

10 14 53 00-0168 Aluminum Engineer Grade Street Signs *(10 14 53 00-0167)*

10 14 53 00-0169	EA	6" High, Aluminum Engineer Grade Street Sign	57.52	6.79
10 14 53 00-0170	EA	8" High, Aluminum Engineer Grade Street Sign	65.28	6.79
10 14 53 00-0171	EA	9" High, Aluminum Engineer Grade Street Sign	71.06	6.79

10 14 53 00-0172 Street Sign Accessories *(10 14 53 00-0167)*

10 14 53 00-0173	EA	Post Cap And Single Bracket For Street Sign	17.36	3.39
10 14 53 00-0174	EA	Post Cap And Double Bracket For Street Sign	17.36	3.39

10 14 53 00-0175 Sign Posts *(10 14 53 00-0001)*
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 00-0176 U-Channel Sign Posts *(10 14 53 00-0175)*
Note: Excludes digging and concrete.

10 14 53 00-0177 Baked Enamel U-Channel Sign Posts *(10 14 53 00-0176)*

10 14 53 00-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	46.04	13.86
10 14 53 00-0179	EA	6' Baked Enamel U-Channel Sign Post	60.42	17.32
10 14 53 00-0180	EA	7' Baked Enamel U-Channel Sign Post	72.15	20.79
10 14 53 00-0181	EA	8' Baked Enamel U-Channel Sign Post	84.48	24.24
10 14 53 00-0182	EA	10' Baked Enamel U-Channel Sign Post	101.94	29.44
10 14 53 00-0183	EA	12' Baked Enamel U-Channel Sign Post	104.88	29.44

10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts *(10 14 53 00-0176)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	49.82	13.86
10 14 53 00-0186	EA	6' Galvanized Steel U-Channel Sign Post	66.42	17.32
10 14 53 00-0187	EA	7' Galvanized Steel U-Channel Sign Post	85.72	20.79
10 14 53 00-0188	EA	8' Galvanized Steel U-Channel Sign Post	99.48	24.24
10 14 53 00-0189	EA	10' Galvanized Steel U-Channel Sign Post	112.86	29.44
10 14 53 00-0190	EA	12' Galvanized Steel U-Channel Sign Post	114.38	29.44
10 14 53 00-0191		Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 00-0176)*		
10 14 53 00-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	45.15	13.86
10 14 53 00-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	58.48	17.32
10 14 53 00-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	69.81	20.79
10 14 53 00-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	81.69	24.24
10 14 53 00-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	96.88	29.44
10 14 53 00-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	101.88	29.44
10 14 53 00-0198		Tubular Sign Posts *(10 14 53 00-0175)* Note: Excludes digging and concrete.		
10 14 53 00-0199		2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 00-0198)*		
10 14 53 00-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	67.04	17.32
10 14 53 00-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	79.56	20.79
10 14 53 00-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	93.98	24.24
10 14 53 00-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	121.07	29.44
10 14 53 00-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.37	29.44
10 14 53 00-0205		Square Sign Posts *(10 14 53 00-0175)* Note: Excludes digging and concrete.		
10 14 53 00-0206		Galvanized Steel Square Sign Posts *(10 14 53 00-0205)*		
10 14 53 00-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	50.66	13.86
10 14 53 00-0208	EA	6' Galvanized Steel Square Sign Post	80.63	17.32
10 14 53 00-0209	EA	7' Galvanized Steel Square Sign Post	94.56	20.79
10 14 53 00-0210	EA	8' Galvanized Steel Square Sign Post	110.30	24.24
10 14 53 00-0211	EA	10' Galvanized Steel Square Sign Post	134.69	29.44
10 14 53 00-0212	EA	12' Galvanized Steel Square Sign Post	141.88	29.44
10 14 53 00-0213		Sign Post Accessories *(10 14 53 00-0001)*		
10 14 53 00-0214		Sign Post Brackets *(10 14 53 00-0213)*		
10 14 53 00-0215	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	22.87	5.10
10 14 53 00-0216	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	41.26	8.49
10 14 53 00-0217	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	35.57	6.79
10 14 53 00-0218		Sign Post Caps *(10 14 53 00-0213)*		
10 14 53 00-0219	EA	Traffic Sign Post Cap	12.68	3.39
10 14 53 00-0220		Sign Post Replacement Bolts *(10 14 53 00-0213)*		
10 14 53 00-0221	EA	Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	8.78	
10 14 53 00-0222		Removal Of Signs *(10 14 53)* Note: Includes structural supports.		
10 14 53 00-0223	EA	>4 To 10 SF Sign Area, Sign Removal	135.81	
10 14 53 00-0224	EA	>10 To 20 SF Sign Area, Sign Removal	325.94	
10 14 53 00-0225	EA	>20 To 40 SF Sign Area, Sign Removal	488.91	
10 14 53 00-0226	EA	>40 To 100 SF Sign Area, Sign Removal	801.74	
10 14 53 00-0227		Remove And Reinstall Signs *(10 14 53)* Note: Includes structural supports.		
10 14 53 00-0228	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	207.01	
10 14 53 00-0229	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	491.26	
10 14 53 00-0230	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	735.36	
10 14 53 00-0231	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,204.48	
10 14 53 00-0232	EA	Removal And Reinstallation Of Street Sign On Post	78.09	
10 14 53 00-0233	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	280.88	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation, Including Excavation	12.82	
10 14 56 00-0004	LF	Removal Of Truss And Supports	173.67	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0005	SF	Removal Of Sign Face	7.94	
10 14 56 00-0006	SF	Removal Of Legend	13.23	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	152.68	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	79.40	

10 14 56 00-0009 Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*

10 14 56 00-0010 One Color/3 Dimensional Demountable Letters *(10 14 56 00-0009)*

10 14 56 00-0011	EA	6" Capital Height Letter	21.32	
10 14 56 00-0012	EA	8" Capital Height Letter	25.01	
10 14 56 00-0013	EA	10" Capital Height Letter	28.65	
10 14 56 00-0014	EA	12" Capital Height Letter	31.94	
10 14 56 00-0015	EA	14" Capital Height Letter	33.67	

10 14 56 00-0016 Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0009)*

10 14 56 00-0017	EA	6" Legend/Shields	21.90	
10 14 56 00-0018	EA	8" Legend/Shields	25.78	
10 14 56 00-0019	EA	10" Legend/Shields	29.62	
10 14 56 00-0020	EA	12" Legend/Shields	33.10	
10 14 56 00-0021	EA	14" Legend/Shields	35.04	

10 20 Interior Specialties *(10)*

10 21 Compartments And Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	814.00	104.26
		For >10, Deduct	*-60.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	983.54	113.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,050.23	118.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*
Note: Includes headrail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	848.83	127.43
		For >10, Deduct	*-59.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	985.30	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,041.32	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,001.87	150.59
		For >10, Deduct	*-70.07*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,166.94	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,225.44	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0015		Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	970.28	173.77
		For >10, Deduct	*-62.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,162.82	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,227.85	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 13-0019		Enamel Coated Steel Urinal Screens *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0020		Floor Anchored, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	431.71	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	478.39	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	526.47	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0024		Wall Hung, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	246.36	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	265.70	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	280.70	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0028		Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	317.42	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0030		Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	354.87	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	378.51	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	402.15	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0034		Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	400.07	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	429.48	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	474.70	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0038		Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*		
		Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039		Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	255.68	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	261.43	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	277.15	19.92
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	303.04	19.92
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	308.79	19.92
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 13-0045		Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	185.05	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	204.06	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	223.07	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	242.09	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	261.11	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	280.12	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	297.70	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	316.72	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	329.97	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	337.58	47.26
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	347.56	48.66
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	379.52	50.97
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	407.15	53.29
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	139.98	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	154.69	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	170.82	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	198.46	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	224.68	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	250.88	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	323.12	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	370.89	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	398.53	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	112.65	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	123.05	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	134.87	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	152.44	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	168.59	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	186.16	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	229.63	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	258.71	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	276.29	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	156.44	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	171.14	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	187.28	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	214.92	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	241.14	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	267.34	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	339.57	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	387.35	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	414.99	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,866.87	104.26
		For >10, Deduct	*-165.84*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*580.42*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,253.18	113.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*709.15*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,359.93	118.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*743.26*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes headrail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,583.69	127.43
		For >10, Deduct	*-132.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*465.09*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,926.29	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*578.52*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,098.50	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*635.54*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,191.61	150.59
		For >10, Deduct	*-189.04*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*661.65*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,350.47	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*710.76*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,460.31	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*745.96*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,195.71	173.77
		For >10, Deduct	*-184.82*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*646.86*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,670.34	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*806.50*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,807.57	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For Diamond Pattern Finish, Add	*851.28*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	618.59	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*171.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	699.91	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*196.33*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	715.06	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*198.39*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	458.01	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*121.39*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	495.61	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*131.31*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	540.98	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*143.95*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	741.16	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*217.25*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	776.96	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*226.54*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	812.58	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*235.77*	
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	618.59	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*171.12*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	699.90	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*196.33*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	784.60	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*222.73*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
		See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	406.90	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For Diamond Pattern Finish, Add	*129.44*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	465.31	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For Diamond Pattern Finish, Add	*149.88*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	478.04	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For Diamond Pattern Finish, Add	*152.72*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	494.90	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For Diamond Pattern Finish, Add	*158.62*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	499.59	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For Diamond Pattern Finish, Add	*160.26*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	352.37	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*103.87*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	391.28	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*115.86*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	407.76	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*120.01*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	426.49	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*124.94*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	457.75	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*134.26*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	494.07	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*145.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	577.75	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*173.02*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	632.48	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*190.55*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	648.97	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*194.71*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	681.14	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*205.32*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	723.47	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*219.16*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	758.05	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*229.64*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	831.60	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*253.76*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	243.99	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*75.67*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	265.77	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*81.67*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	288.85	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*88.12*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	329.08	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*100.58*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	369.31	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*113.04*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	409.53	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*125.50*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	519.63	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*162.41*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	595.45	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*187.32*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	635.67	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*199.78*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	186.70	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*55.62*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	202.22	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*59.42*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	218.28	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*63.42*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	283.21	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*84.53*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	319.64	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*95.66*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	330.86	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*97.96*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	374.85	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*111.73*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	422.76	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*126.88*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	448.85	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*134.39*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	267.76	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*80.74*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	293.48	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*88.12*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	317.90	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*95.05*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	364.71	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*109.81*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	410.22	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*124.11*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	455.71	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*138.41*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	585.57	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*182.25*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	671.95	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*210.85*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	718.76	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Diamond Pattern Finish, Add	*225.62*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	878.41	104.26
		For >10, Deduct	*-66.99*	
		For Cast Stainless Steel Hardware, Add	*110.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,068.46	113.52
		For Cast Stainless Steel Hardware, Add	*110.39*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,148.17	118.16
		For Cast Stainless Steel Hardware, Add	*110.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes headrail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	957.45	127.43
		For >10, Deduct	*-70.26*	
		For Cast Stainless Steel Hardware, Add	*110.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,155.67	136.70
		For Cast Stainless Steel Hardware, Add	*110.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,241.51	141.33
		For Cast Stainless Steel Hardware, Add	*110.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,281.69	173.77
		For >10, Deduct	*-93.42*	
		For Cast Stainless Steel Hardware, Add	*110.46*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,486.20	183.03
		For Cast Stainless Steel Hardware, Add	*110.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,565.91	187.67
		For Cast Stainless Steel Hardware, Add	*110.48*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 16-0015		Laminated Plastic Urinal Screens *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		Floor Anchored, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	379.53	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	413.31	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	427.38	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0020		Wall Hung, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	297.13	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	313.40	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	329.02	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0024		Wall Hung And Post Supported, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	388.31	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	425.51	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	465.66	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0028		Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	360.50	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	394.96	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	408.63	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0032		Laminated Plastic Toilet Partition Doors, Panels And Pilasters *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033		Laminated Plastic, Toilet Partition Doors *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	284.72	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	308.79	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	319.98	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	327.42	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	334.42	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 16-0039		Laminated Plastic, Toilet Partition Panels *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	153.15	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	169.12	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	185.09	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	201.65	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	217.04	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	233.66	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	239.63	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	246.44	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	259.39	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	269.75	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	281.52	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	318.97	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	361.22	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	121.00	13.90
		For 1-1/4" Pilaster, Add	*7.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*93.20*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	139.64	16.21
		For 1-1/4" Pilaster, Add	*8.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*107.20*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	144.27	18.54
		For 1-1/4" Pilaster, Add	*8.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*107.20*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	159.40	20.85
		For 1-1/4" Pilaster, Add	*9.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*117.70*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	167.10	23.17
		For 1-1/4" Pilaster, Add	*9.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*120.76*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	181.80	25.49
		For 1-1/4" Pilaster, Add	*10.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*130.83*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	229.32	27.80
		For 1-1/4" Pilaster, Add	*14.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*173.71*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	275.95	30.12
		For 1-1/4" Pilaster, Add	*17.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*215.71*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	309.02	32.44
		For 1-1/4" Pilaster, Add	*20.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*244.15*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	231.26	13.90
		For 1-1/4" Pilaster, Add	*16.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*203.46*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	256.03	16.21
		For 1-1/4" Pilaster, Add	*18.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*223.59*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	260.66	18.54
		For 1-1/4" Pilaster, Add	*18.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*223.59*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	282.35	20.85
		For 1-1/4" Pilaster, Add	*19.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*240.65*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	308.43	23.17
		For 1-1/4" Pilaster, Add	*21.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*262.09*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	329.69	25.49
		For 1-1/4" Pilaster, Add	*22.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*278.72*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	408.50	27.80
		For 1-1/4" Pilaster, Add	*29.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*352.89*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	464.54	30.12
		For 1-1/4" Pilaster, Add	*33.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*404.30*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	477.48	32.44
		For 1-1/4" Pilaster, Add	*34.04*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For Steel Core Pilaster, Add	*412.61*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19		**Plastic Toilet Compartments** *(10 21 13)*			
10 21 13 19-0001		Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*			
		Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.			
10 21 13 19-0002		Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*			
		Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0003		Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*			
		Note: Includes headrail.			
10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition		1,087.62	127.43
		For >10, Deduct		*-83.28*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*516.32*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,325.48	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*652.30*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,462.05	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*731.22*	
10 21 13 19-0007		Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*			
		Note: Excludes above ceiling steel.			
10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition		1,102.41	150.59
		For >10, Deduct		*-80.12*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*496.76*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,360.65	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*645.37*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,497.22	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*724.30*	
10 21 13 19-0011		Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*			
		Note: Excludes above ceiling steel.			
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition		1,166.93	173.77
		For >10, Deduct		*-81.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*508.02*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,369.08	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*621.87*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,505.66	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*137.39*	
		For NFPA Class A, Add		*700.80*	
10 21 13 19-0015		Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*			
		Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0016		Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*			
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen		270.71	55.59
		For Heavy Gauge Full-Height SS Brackets, Add		*38.07*	
		For NFPA Class A, Add		*98.91*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen		286.26	60.22
		For Heavy Gauge Full-Height SS Brackets, Add		*38.07*	
		For NFPA Class A, Add		*102.81*	
10 21 13 19-0019		Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*			
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen		337.29	60.22
		For Heavy Gauge Full-Height SS Brackets, Add		*38.07*	
		For NFPA Class A, Add		*134.45*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen		418.82	64.85
		For Heavy Gauge Full-Height SS Brackets, Add		*38.07*	
		For NFPA Class A, Add		*179.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	463.68	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*201.33*	

10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	346.55	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*134.45*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	428.08	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*179.25*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	502.46	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*219.62*	

10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters

(10 21 13 19-0001)

Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*

10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	251.42	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*132.90*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	270.93	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*144.99*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	294.92	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*157.00*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	334.40	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*181.47*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	343.74	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*187.26*	

10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*

10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	103.12	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*29.46*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	155.26	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*58.91*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	207.39	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*88.36*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	240.06	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*105.74*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	287.33	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*132.18*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	306.87	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*141.42*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	342.84	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*160.85*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	384.54	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*183.82*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	418.83	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*202.22*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	427.88	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*206.68*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	442.15	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*213.80*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	497.09	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*244.99*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	534.65	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*265.41*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	119.32	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*56.74*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	133.14	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*62.43*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	145.34	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*67.13*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	156.73	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*71.32*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	175.82	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*80.28*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	194.89	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*89.23*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	262.92	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*128.53*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	296.38	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*146.41*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	322.48	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*159.72*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	146.69	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*67.96*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	161.75	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*74.43*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	178.29	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*81.81*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	201.53	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*93.35*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	224.97	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*105.00*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	248.20	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*116.54*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	314.14	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*154.55*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	350.52	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*174.23*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	380.69	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*190.06*	

10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes headrail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,379.09	127.43
		For >10, Deduct	*-112.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*697.03*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,693.73	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*880.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,874.85	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*987.16*	
10 21 13 19-0074		**Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,382.84	150.59
		For >10, Deduct	*-108.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*670.62*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,724.97	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*871.25*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,906.09	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*977.80*	
10 21 13 19-0078		**Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,453.73	173.77
		For >10, Deduct	*-110.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*685.84*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,720.13	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*839.52*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,901.26	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*946.07*	
10 21 13 19-0082		**Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083		**Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	326.54	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*133.53*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	342.25	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*137.52*	
10 21 13 19-0086		**Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	510.75	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*241.99*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	578.72	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*278.39*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	617.18	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*296.50*	
10 21 13 19-0090		**Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	422.44	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*181.50*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	529.27	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*241.99*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	626.45	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*296.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094		Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	326.44	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*179.41*	
10 21 13 19-0097	EA	26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	352.78	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*195.74*	
10 21 13 19-0098	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	383.54	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*211.94*	
10 21 13 19-0099	EA	34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	436.84	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*244.99*	
10 21 13 19-0100	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	449.45	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*252.81*	
10 21 13 19-0101		Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	119.74	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*39.76*	
10 21 13 19-0103	EA	12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	188.52	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*79.53*	
10 21 13 19-0104	EA	18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	257.28	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*119.29*	
10 21 13 19-0105	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	299.74	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*142.74*	
10 21 13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	361.93	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*178.43*	
10 21 13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	386.70	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*190.92*	
10 21 13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	433.64	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*217.14*	
10 21 13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	488.31	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*248.16*	
10 21 13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	532.99	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*273.00*	
10 21 13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	544.55	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*279.01*	
10 21 13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	562.84	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*288.63*	
10 21 13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	635.40	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*330.74*	
10 21 13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	684.47	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*358.30*	
10 21 13 19-0115		82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*		
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	151.35	13.90
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*76.60*	
10 21 13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	168.38	16.21
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*84.28*	
10 21 13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	183.23	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*90.62*	
10 21 13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	211.11	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*105.03*	
10 21 13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	237.04	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*118.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	262.93	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*131.42*	
10 21 13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	335.48	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*173.52*	
10 21 13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	379.03	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*197.65*	
10 21 13 19-0124	EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	412.64	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*215.62*	

10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	185.05	18.54
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*91.75*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	203.77	20.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*100.48*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	224.49	23.17
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*110.45*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	254.23	25.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*126.02*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	284.25	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*141.76*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	313.98	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*157.32*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	401.40	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*208.65*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	448.86	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*235.20*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	487.98	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*256.58*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,310.71	104.26
		For >10, Deduct	*-110.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*241.89*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,604.02	113.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*300.52*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,787.43	118.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*337.55*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes headrail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,460.07	127.43
		For >10, Deduct	*-120.52*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*265.84*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,764.89	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*326.88*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,957.08	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*365.76*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,515.83	150.59
		For >10, Deduct	*-121.46*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*270.13*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,818.51	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*330.73*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,001.93	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*367.77*	
10 21 13 19-0149		Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,505.96	173.77
		For >10, Deduct	*-115.84*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*260.65*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,799.05	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*319.23*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,982.48	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
		For NFPA Class A, Add	*356.27*	
10 21 13 19-0153		Solid Phenolic Urinal Screens *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		Floor Anchored, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	488.93	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*81.92*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	551.13	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*93.50*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	657.10	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*114.27*	
10 21 13 19-0158		Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	318.57	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*49.11*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	367.22	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*57.85*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	438.23	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*71.28*	
10 21 13 19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	325.14	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*49.01*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	402.63	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*63.80*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	468.00	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*76.05*	
10 21 13 19-0166		Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	500.37	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*85.81*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	562.94	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*97.47*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	670.88	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*118.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	351.23	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*67.83*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	363.04	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*70.31*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	397.99	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*76.91*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	428.79	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*83.37*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	460.44	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
		For NFPA Class A, Add	*90.02*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	121.09	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*16.53*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	158.43	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*23.63*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	212.13	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*34.17*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	266.41	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*44.82*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	296.35	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*50.37*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	327.74	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*56.22*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	380.61	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*66.58*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	435.03	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*77.27*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	463.71	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*82.55*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	476.51	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*84.94*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	485.85	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*86.46*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	557.00	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*100.66*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	669.26	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*123.49*	
10 21 13 19-0191		**69" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	169.13	13.90
		For 1" Pilaster, Add	*17.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*31.07*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	194.77	16.21
		For 1" Pilaster, Add	*20.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*35.71*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	199.40	18.54
		For 1" Pilaster, Add	*20.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*35.94*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	230.72	20.85
		For 1" Pilaster, Add	*23.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*41.78*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	259.43	23.17
		For 1" Pilaster, Add	*26.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*47.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	288.12	25.49
		For 1" Pilaster, Add	*29.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*52.35*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	366.71	27.80
		For 1" Pilaster, Add	*38.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*68.11*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	448.78	30.12
		For 1" Pilaster, Add	*48.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*84.61*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	471.79	32.44
		For 1" Pilaster, Add	*50.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*88.70*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	184.88	13.90
		For 1" Pilaster, Add	*19.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*34.38*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	216.65	16.21
		For 1" Pilaster, Add	*23.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*40.31*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	221.28	18.54
		For 1" Pilaster, Add	*23.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*40.54*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	256.10	20.85
		For 1" Pilaster, Add	*26.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*47.11*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	289.18	23.17
		For 1" Pilaster, Add	*30.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*53.31*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	322.48	25.49
		For 1" Pilaster, Add	*33.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*59.57*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	417.90	27.80
		For 1" Pilaster, Add	*45.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*78.86*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	496.70	30.12
		For 1" Pilaster, Add	*54.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*94.67*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	522.77	32.44
		For 1" Pilaster, Add	*57.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*99.40*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	209.90	18.54
		For 1" Pilaster, Add	*21.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*38.15*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	247.79	20.85
		For 1" Pilaster, Add	*25.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*45.36*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	252.43	23.17
		For 1" Pilaster, Add	*25.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*45.60*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	290.75	25.49
		For 1" Pilaster, Add	*29.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*52.90*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	328.20	27.80
		For 1" Pilaster, Add	*34.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*60.02*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	366.09	30.12
		For 1" Pilaster, Add	*38.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*67.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	478.35	32.44
		For 1" Pilaster, Add	*51.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*90.07*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	553.88	34.75
		For 1" Pilaster, Add	*60.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*105.19*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	583.01	37.07
		For 1" Pilaster, Add	*63.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
		For NFPA Class A, Add	*110.57*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,442.97	104.26
		For >10, Deduct	*-123.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,769.26	113.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,973.57	118.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes headrail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,604.70	127.43
		For >10, Deduct	*-134.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,943.87	136.70
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,158.01	141.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,661.59	150.59
		For >10, Deduct	*-136.04*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,998.37	159.87
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,202.68	164.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,644.97	173.77
		For >10, Deduct	*-129.74*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,971.01	183.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,175.34	187.67
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0239		**Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0240		**Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	532.04	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	600.59	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	718.17	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0244		**Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	343.46	55.59
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	396.83	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	475.25	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	349.71	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	435.38	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	507.48	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	545.97	60.22
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	614.93	64.85
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	734.71	69.49
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0256		**Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)* Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257		**Solid Color Reinforced Composite, Toilet Partition Doors** *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	388.93	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	402.16	18.54
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	440.74	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	475.24	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	510.68	20.85
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0263		**Solid Color Reinforced Composite, Toilet Partition Panels** *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	128.94	27.80
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	170.21	30.12
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	229.80	32.44
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	290.04	34.75
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	323.01	37.07
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	357.61	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	416.28	41.70
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	476.66	44.02
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	508.24	46.34
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	522.35	47.26
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	532.48	48.66
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	611.61	50.97
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	736.78	53.29
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	186.09	13.90
		For 1" Pilaster, Add	*19.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	214.25	16.21
		For 1" Pilaster, Add	*22.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	218.88	18.54
		For 1" Pilaster, Add	*22.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	253.40	20.85
		For 1" Pilaster, Add	*26.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	285.00	23.17
		For 1" Pilaster, Add	*29.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	316.58	25.49
		For 1" Pilaster, Add	*33.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	404.04	27.80
		For 1" Pilaster, Add	*43.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	495.41	30.12
		For 1" Pilaster, Add	*54.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	520.62	32.44
		For 1" Pilaster, Add	*56.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	203.73	13.90
		For 1" Pilaster, Add	*21.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	238.75	16.21
		For 1" Pilaster, Add	*25.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	243.38	18.54
		For 1" Pilaster, Add	*25.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	281.83	20.85
		For 1" Pilaster, Add	*30.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	318.32	23.17
		For 1" Pilaster, Add	*34.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	355.06	25.49
		For 1" Pilaster, Add	*38.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	461.38	27.80
		For 1" Pilaster, Add	*50.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	549.08	30.12
		For 1" Pilaster, Add	*61.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	577.72	32.44
		For 1" Pilaster, Add	*64.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	230.64	18.54
		For 1" Pilaster, Add	*24.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	272.52	20.85
		For 1" Pilaster, Add	*28.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	277.16	23.17
		For 1" Pilaster, Add	*28.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	319.52	25.49
		For 1" Pilaster, Add	*33.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	360.91	27.80
		For 1" Pilaster, Add	*38.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	402.79	30.12
		For 1" Pilaster, Add	*42.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	527.97	32.44
		For 1" Pilaster, Add	*57.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	612.00	34.75
		For 1" Pilaster, Add	*67.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	644.08	37.07
		For 1" Pilaster, Add	*71.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,797.92	104.26
		For >10, Deduct	*-258.94*	
		For Solid Color Material (No Particulate), Deduct	*-595.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,373.27	113.52
		For Solid Color Material (No Particulate), Deduct	*-723.63*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,737.32	118.16
		For Solid Color Material (No Particulate), Deduct	*-805.23*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,914.79	127.43
		For >10, Deduct	*-265.99*	
		For Solid Color Material (No Particulate), Deduct	*-611.79*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,815.42	136.70
		For Solid Color Material (No Particulate), Deduct	*-814.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,219.20	141.33
		For Solid Color Material (No Particulate), Deduct	*-905.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,268.78	150.59
		For >10, Deduct	*-296.76*	
		For Solid Color Material (No Particulate), Deduct	*-682.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,370.81	159.87
		For Solid Color Material (No Particulate), Deduct	*-931.75*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,774.27	164.49
		For Solid Color Material (No Particulate), Deduct	*-1,022.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,311.31	173.77
		For >10, Deduct	*-296.38*	
		For Solid Color Material (No Particulate), Deduct	*-681.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,212.28	183.03
		For Solid Color Material (No Particulate), Deduct	*-884.63*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,615.74	187.67
		For Solid Color Material (No Particulate), Deduct	*-975.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*137.39*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	788.35	64.85
		For Solid Color Material (No Particulate), Deduct	*-151.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,034.13	69.49
		For Solid Color Material (No Particulate), Deduct	*-205.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,279.92	74.11
		For Solid Color Material (No Particulate), Deduct	*-260.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	413.69	55.59
		For Solid Color Material (No Particulate), Deduct	*-69.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	523.79	60.22
		For Solid Color Material (No Particulate), Deduct	*-92.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	633.89	64.85
		For Solid Color Material (No Particulate), Deduct	*-115.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	535.40	60.22
		For Solid Color Material (No Particulate), Deduct	*-95.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	662.93	64.85
		For Solid Color Material (No Particulate), Deduct	*-122.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	790.44	69.49
		For Solid Color Material (No Particulate), Deduct	*-149.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	804.86	60.22
		For Solid Color Material (No Particulate), Deduct	*-157.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,050.65	64.85
		For Solid Color Material (No Particulate), Deduct	*-211.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,296.43	69.49
		For Solid Color Material (No Particulate), Deduct	*-266.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	608.66	18.54
		For Solid Color Material (No Particulate), Deduct	*-131.47*	
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	649.51	18.54
		For Solid Color Material (No Particulate), Deduct	*-140.86*	
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	740.54	20.85
		For Solid Color Material (No Particulate), Deduct	*-160.73*	
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	824.84	20.85
		For Solid Color Material (No Particulate), Deduct	*-180.12*	
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	861.52	20.85
		For Solid Color Material (No Particulate), Deduct	*-188.56*	
		For Heavy Gauge Full-Height SS Hinge, Add	*61.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0349		Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	173.86	27.80
		For Solid Color Material (No Particulate), Deduct	*-27.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	296.76	30.12
		For Solid Color Material (No Particulate), Deduct	*-54.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	419.65	32.44
		For Solid Color Material (No Particulate), Deduct	*-81.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	542.56	34.75
		For Solid Color Material (No Particulate), Deduct	*-108.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	665.44	37.07
		For Solid Color Material (No Particulate), Deduct	*-136.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	788.32	39.39
		For Solid Color Material (No Particulate), Deduct	*-163.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	911.23	41.70
		For Solid Color Material (No Particulate), Deduct	*-190.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,034.13	44.02
		For Solid Color Material (No Particulate), Deduct	*-217.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,176.71	46.34
		For Solid Color Material (No Particulate), Deduct	*-249.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,237.72	47.26
		For Solid Color Material (No Particulate), Deduct	*-262.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,279.91	48.66
		For Solid Color Material (No Particulate), Deduct	*-272.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,481.64	50.97
		For Solid Color Material (No Particulate), Deduct	*-317.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,643.95	53.29
		For Solid Color Material (No Particulate), Deduct	*-353.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0363		72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	213.40	13.90
		For Solid Color Material (No Particulate), Deduct	*-42.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	264.44	16.21
		For Solid Color Material (No Particulate), Deduct	*-53.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	315.47	18.54
		For Solid Color Material (No Particulate), Deduct	*-64.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	412.92	20.85
		For Solid Color Material (No Particulate), Deduct	*-85.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	510.36	23.17
		For Solid Color Material (No Particulate), Deduct	*-106.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	607.79	25.49
		For Solid Color Material (No Particulate), Deduct	*-128.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	890.83	27.80
		For Solid Color Material (No Particulate), Deduct	*-192.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,081.08	30.12
		For Solid Color Material (No Particulate), Deduct	*-234.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,178.51	32.44
		For Solid Color Material (No Particulate), Deduct	*-256.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0373		82" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	239.18	13.90
		For Solid Color Material (No Particulate), Deduct	*-48.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	296.68	16.21
		For Solid Color Material (No Particulate), Deduct	*-60.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	348.10	18.54
		For Solid Color Material (No Particulate), Deduct	*-71.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	472.53	20.85
		For Solid Color Material (No Particulate), Deduct	*-99.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	574.80	23.17
		For Solid Color Material (No Particulate), Deduct	*-121.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	685.12	25.49
		For Solid Color Material (No Particulate), Deduct	*-145.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,006.84	27.80
		For Solid Color Material (No Particulate), Deduct	*-218.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,222.86	30.12
		For Solid Color Material (No Particulate), Deduct	*-267.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,333.18	32.44
		For Solid Color Material (No Particulate), Deduct	*-291.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	315.47	18.54
		For Solid Color Material (No Particulate), Deduct	*-64.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	389.71	20.85
		For Solid Color Material (No Particulate), Deduct	*-80.04*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	463.96	23.17
		For Solid Color Material (No Particulate), Deduct	*-96.05*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	607.79	25.49
		For Solid Color Material (No Particulate), Deduct	*-128.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	751.63	27.80
		For Solid Color Material (No Particulate), Deduct	*-160.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	895.46	30.12
		For Solid Color Material (No Particulate), Deduct	*-192.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,317.71	32.44
		For Solid Color Material (No Particulate), Deduct	*-288.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,600.76	34.75
		For Solid Color Material (No Particulate), Deduct	*-352.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,744.60	37.07
		For Solid Color Material (No Particulate), Deduct	*-384.21*	
		For Heavy Gauge Full-Height SS Brackets, Add	*38.07*	
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	10.90	1.85
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	14.59	1.85
10 21 13 43-0004	EA	Replacement 1-1/2" x 58" Stainless Steel Wall Posts	89.73	
10 21 13 43-0005	EA	Replacement 58" Aluminum Wall U Bracket	57.14	
10 21 13 43-0006	EA	Replacement 58" Aluminum Wall Two Ear Bracket	95.11	
10 21 13 43-0007	EA	Replacement 54" Stainless Steel Wall U Bracket	68.99	
10 21 13 43-0008	EA	Replacement 54" Stainless Steel Wall Two Ear Bracket	166.15	
10 21 13 43-0009	EA	Replacement 54" Plastic Wall Two Ear Bracket, All Colors	114.75	
10 21 13 43-0010	EA	Replacement 57-1/2" Stainless Steel Hinge	113.43	
10 21 16		**Shower And Dressing Compartments** *(10 21)*		
10 21 16 17		**Phenolic-Core Shower and Dressing Compartments** *(10 21 16)*		
10 21 16 17-0001		Shower Dividers *(10 21 16 17)*		
10 21 16 17-0002		Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)* Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	696.90	115.85
		For 66" High Panels, Add	*69.78*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	870.51	125.11
		For 66" High Panels, Add	*93.04*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,119.85	139.01
		For 66" High Panels, Add	*126.27*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,321.23	162.18
		For 66" High Panels, Add	*149.53*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,522.65	185.35
		For 66" High Panels, Add	*172.79*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0008		Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*		
		Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,662.51	203.61
		For 66" High Panels, Add	*229.02*	
		For 6" Wide Head Rail, Add	*41.73*	
		For 8" Wide Head Rail, Add	*58.36*	
		For 10" Wide Head Rail, Add	*70.91*	
		For 12" Wide Head Rail, Add	*85.50*	
		For 18" Wide, 1/2" Thick Bench, Add	*125.72*	
		For 24" Wide, 1/2" Thick Bench, Add	*165.72*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,044.61	222.33
		For 66" High Panels, Add	*284.46*	
		For 6" Wide Head Rail, Add	*52.44*	
		For 8" Wide Head Rail, Add	*72.89*	
		For 10" Wide Head Rail, Add	*88.89*	
		For 12" Wide Head Rail, Add	*107.11*	
		For 18" Wide, 1/2" Thick Bench, Add	*129.47*	
		For 24" Wide, 1/2" Thick Bench, Add	*169.47*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,565.04	236.42
		For 66" High Panels, Add	*361.11*	
		For 6" Wide Head Rail, Add	*67.49*	
		For 8" Wide Head Rail, Add	*93.14*	
		For 10" Wide Head Rail, Add	*114.07*	
		For 12" Wide Head Rail, Add	*137.35*	
		For 18" Wide, 1/2" Thick Bench, Add	*132.28*	
		For 24" Wide, 1/2" Thick Bench, Add	*172.28*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,744.26	264.50
		For 66" High Panels, Add	*385.19*	
		For 6" Wide Head Rail, Add	*71.75*	
		For 8" Wide Head Rail, Add	*99.19*	
		For 10" Wide Head Rail, Add	*121.34*	
		For 12" Wide Head Rail, Add	*146.14*	
		For 18" Wide, 1/2" Thick Bench, Add	*137.90*	
		For 24" Wide, 1/2" Thick Bench, Add	*177.90*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,134.78	287.48
		For 66" High Panels, Add	*441.47*	
		For 6" Wide Head Rail, Add	*82.55*	
		For 8" Wide Head Rail, Add	*113.89*	
		For 10" Wide Head Rail, Add	*139.49*	
		For 12" Wide Head Rail, Add	*167.96*	
		For 18" Wide, 1/2" Thick Bench, Add	*142.49*	
		For 24" Wide, 1/2" Thick Bench, Add	*182.49*	

10 21 23 Cubicle Curtains And Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001		Hospital Curtains *(10 21 23 13)*		
10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	14.69	0.80
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	15.57	0.80
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	16.67	0.80
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	17.56	0.80
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.45	0.80
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	20.15	0.80

10 21 23 16 Cubicle Track And Hardware *(10 21 23)*

10 21 23 16-0001		Hospital Cubicle Curtain Channel Track *(10 21 23 16)*		
		Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	15.10	2.78
10 21 23 16-0003	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	24.17	4.63
10 21 23 16-0004		Hospital IV Tracks *(10 21 23 16)*		
10 21 23 16-0005	LF	Oval Hospital Partition IV Track	19.76	2.65
10 21 23 16-0006	EA	Hospital Partition IV Trolley	107.97	11.02
10 21 23 16-0007	EA	5 Hook Tree, Hospital Partition IV Pendant	439.81	11.02

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001		Wall Panels *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.35	1.16
		For 5' Wide Panels, Add	*0.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	10.42	1.39
		For 5' Wide Panels, Add	*0.38*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	11.74	1.62
		For 5' Wide Panels, Add	*0.43*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.78	1.39
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	10.84	1.62
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	12.03	1.85
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock	948.85	243.27
		For 8 Gauge, Add	*93.67*	
		For 6 Gauge, Add	*187.35*	
10 22 13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,006.10	268.75
		For 8 Gauge, Add	*97.16*	
		For 6 Gauge, Add	*194.33*	
10 22 13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,092.02	278.03
		For 8 Gauge, Add	*108.20*	
		For 6 Gauge, Add	*216.40*	
10 22 13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,190.07	301.19
		For 8 Gauge, Add	*118.27*	
		For 6 Gauge, Add	*236.54*	
10 22 13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,234.97	319.73
		For 8 Gauge, Add	*121.30*	
		For 6 Gauge, Add	*242.60*	
10 22 13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,351.98	338.26
		For 8 Gauge, Add	*135.14*	
		For 6 Gauge, Add	*270.29*	
10 22 13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,453.09	363.75
		For 8 Gauge, Add	*145.21*	
		For 6 Gauge, Add	*290.43*	
10 22 13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,573.29	379.97
		For 8 Gauge, Add	*160.00*	
		For 6 Gauge, Add	*320.00*	
10 22 13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,590.26	389.24
		For 8 Gauge, Add	*160.69*	
		For 6 Gauge, Add	*321.38*	
10 22 13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,746.30	412.41
		For 8 Gauge, Add	*179.46*	
		For 6 Gauge, Add	*358.93*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock	642.71	143.65
		For 8 Gauge, Add	*65.52*	
		For 6 Gauge, Add	*131.03*	
10 22 13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock	689.51	162.18
		For 8 Gauge, Add	*70.99*	
		For 6 Gauge, Add	*141.98*	
10 22 13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock	737.82	171.44
		For 8 Gauge, Add	*76.38*	
		For 6 Gauge, Add	*152.77*	
10 22 13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock	735.85	185.35
		For 8 Gauge, Add	*73.31*	
		For 6 Gauge, Add	*146.62*	
10 22 13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock	785.73	194.62
		For 8 Gauge, Add	*78.94*	
		For 6 Gauge, Add	*157.87*	
10 22 13 00-0027	EA	4' x 9' Swing Door, 10 Gauge With Cylinder Lock	821.26	203.88
		For 8 Gauge, Add	*82.41*	
		For 6 Gauge, Add	*164.82*	
10 22 13 00-0028	EA	4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	939.67	185.35
		For 8 Gauge, Add	*103.88*	
		For 6 Gauge, Add	*207.76*	
10 22 13 00-0029	EA	4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	995.94	194.62
		For 8 Gauge, Add	*110.47*	
		For 6 Gauge, Add	*220.93*	
10 22 13 00-0030		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0031	EA	6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,010.31	231.69
		For 8 Gauge, Add	*105.21*	
		For 6 Gauge, Add	*210.42*	
10 22 13 00-0032	EA	6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,038.12	245.59
		For 8 Gauge, Add	*106.60*	
		For 6 Gauge, Add	*213.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,388.75	259.49
		For 8 Gauge, Add	*156.41*	
		For 6 Gauge, Add	*312.83*	
10 22 13 00-0034	EA	8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,102.99	278.03
		For 8 Gauge, Add	*109.84*	
		For 6 Gauge, Add	*219.69*	
10 22 13 00-0035	EA	8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,130.79	291.93
		For 8 Gauge, Add	*111.23*	
		For 6 Gauge, Add	*222.47*	
10 22 13 00-0036	EA	8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,481.42	305.83
		For 8 Gauge, Add	*161.05*	
		For 6 Gauge, Add	*322.10*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	130.38	14.72
		For >9, Add 16.30		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	114.41	11.73
		For >9, Add 14.30		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	98.43	8.82
		For >9, Add 12.30		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	136.17	11.73
		For >9, Add 17.02		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	197.82	12.60
		For >9, Add 24.73		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	201.00	14.72
		For >9, Add 25.13		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	251.65	16.04
		For >9, Add 31.46		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	42.18	2.20
		For Acoustical Partitions, Add	*3.78*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	52.82	3.70
		For Acoustical Partitions, Add	*4.54*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	44.99	2.29
		For Acoustical Partitions, Add	*4.04*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	64.34	3.17
		For Acoustical Partitions, Add	*5.81*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	81.42	14.72
		For >9, Add 10.18		
10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	137.47	16.04
		For >9, Add 17.18		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	147.96	17.62
		For >9, Add 18.50		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	163.14	14.72
		For >9, Add 20.39		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	271.84	16.04
		For >9, Add 33.98		

10 22 19 71 Remove And Store Demountable Partitions *(10 22 19)*

10 22 19 71-0001	LF	Removal, Storage And Reinstallation Of Up To 10' Demountable Partitions	64.87	

10 22 23 Portable Partitions, Screens, And Panels *(10 22)*

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 00-0001 Portable Partitions *(10 22 23)*

10 22 23 00-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	253.91	7.06
10 22 23 00-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	270.63	7.84
10 22 23 00-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	321.72	9.43
10 22 23 00-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	187.29	4.06
10 22 23 00-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	198.72	4.67
10 22 23 00-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	223.32	5.64
10 22 23 00-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	190.46	4.32
10 22 23 00-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	338.78	7.84
10 22 23 00-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	372.21	9.43
10 22 23 00-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	197.48	5.38
10 22 23 00-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	224.63	6.26
10 22 23 00-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	181.05	4.67
10 22 23 00-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	203.13	5.64
10 22 23 00-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	300.92	7.84

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 00-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	339.39	9.43
10 22 23 00-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	305.97	7.84
10 22 23 00-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	372.21	9.43
10 22 23 00-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	236.59	4.67
10 22 23 00-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	266.24	5.64
10 22 23 00-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	249.78	4.32
10 22 23 00-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	297.99	5.11
10 22 23 00-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	144.47	5.38
10 22 23 00-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	170.36	6.26
10 22 23 00-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	153.90	5.64
10 22 23 00-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	112.21	4.32
10 22 23 00-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	182.93	5.64
10 22 23 00-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	208.66	5.91
10 22 23 00-0029	LF	Partitions, Portable, Tackboard, Both Sides	167.97	5.73

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	47.23	4.36
		For <135, Add	*9.45*	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	48.05	4.51
		For <135, Add	*9.61*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	50.24	4.65
		For <135, Add	*10.05*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	53.14	4.80
		For <135, Add	*10.63*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	54.15	4.94
		For <135, Add	*10.83*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	54.90	5.09
		For <135, Add	*10.98*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	55.64	5.23
		For <135, Add	*11.13*	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	56.73	5.53
		For <135, Add	*11.35*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	77.44	7.44
		For 51 STC, Add	*6.06*	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	71.79	5.95
		For 51 STC, Add	*5.93*	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	67.64	4.94
		For 51 STC, Add	*5.81*	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	65.82	5.20
		For 51 STC, Add	*5.52*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	61.51	4.23
		For 51 STC, Add	*5.37*	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	58.99	3.79
		For 51 STC, Add	*5.24*	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	58.38	4.08
		For 51 STC, Add	*5.07*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	55.13	3.49
		For 51 STC, Add	*4.91*	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	52.87	3.13
		For 51 STC, Add	*4.79*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	81.77	6.61
		For 51 STC, Add	*6.81*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	75.36	5.02
		For 51 STC, Add	*6.63*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	71.60	4.23
		For 51 STC, Add	*6.48*	

10 26 Wall And Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	6.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.19*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	7.21	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.21*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	10.01	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.35*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	13.51	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.53*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	12.88	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.50*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	12.65	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.41*	
		For Recycled Vinyl Retainer, Deduct	*-1.14*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	14.21	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.49*	
		For Recycled Vinyl Retainer, Deduct	*-1.45*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	15.76	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.57*	
		For Recycled Vinyl Retainer, Deduct	*-1.76*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	18.67	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.71*	
		For Recycled Vinyl Retainer, Deduct	*-2.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	26.57	5.56
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.24*	
		For >200, Deduct	*-5.03*	
		For Recycled Vinyl Retainer, Deduct	*-3.46*	
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	17.13	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.64*	
		For Up To 2 HR Fire Rated, Add	*7.13*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	20.82	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.82*	
		For Up To 2 HR Fire Rated, Add	*9.71*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	19.23	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.74*	
		For Up To 2 HR Fire Rated, Add	*8.60*	
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	22.39	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.90*	
		For Up To 2 HR Fire Rated, Add	*10.81*	
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	47.54	5.56
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.24*	
		For >200, Deduct	*-6.08*	
		For Up To 2 HR Fire Rated, Add	*26.80*	
10 26 13 00-0030		Flexible Vinyl Corner Guards *(10 26 13 00-0001)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	9.43	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.32*	
		For Bolting To Concrete Or Masonry, Add	*2.11*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	12.21	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.46*	
		For Bolting To Concrete Or Masonry, Add	*2.53*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	14.46	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.58*	
		For Bolting To Concrete Or Masonry, Add	*2.86*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0039		LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	6.08	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.16*	
10 26 13 00-0040		LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	7.44	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.22*	
10 26 13 00-0041		LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	9.02	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.30*	
10 26 13 00-0042		LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	9.98	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.35*	
10 26 13 00-0043		LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	9.63	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.33*	
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045		LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	9.98	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.35*	
10 26 13 00-0046			Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049		LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	8.84	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.29*	
10 26 13 00-0050		LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	10.67	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.39*	
10 26 13 00-0051		LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	11.81	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.44*	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053		LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	8.84	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.29*	
10 26 13 00-0054		LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	10.67	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.39*	
10 26 13 00-0055		LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	11.81	2.78
			For >50 To 100, Deduct	*-1.16*	
			For >100 To 200, Deduct	*-1.62*	
			For >200, Deduct	*-2.44*	
10 26 13 00-0056			Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057			Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060		LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.51	3.34
			For Galvanizing, Add	*2.08*	
			For >50 To 100, Deduct	*-1.39*	
			For >100 To 200, Deduct	*-1.95*	
			For >200, Deduct	*-2.80*	
10 26 13 00-0061		LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.70	3.61
			For Galvanizing, Add	*3.04*	
			For >50 To 100, Deduct	*-1.51*	
			For >100 To 200, Deduct	*-2.11*	
			For >200, Deduct	*-3.14*	
10 26 13 00-0062		LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	15.64	3.75
			For Galvanizing, Add	*3.29*	
			For >50 To 100, Deduct	*-1.56*	
			For >100 To 200, Deduct	*-2.19*	
			For >200, Deduct	*-3.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.00	3.89
		For Galvanizing, Add	*3.33*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.40*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	20.01	4.03
		For Galvanizing, Add	*4.65*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 200, Deduct	*-2.35*	
		For >200, Deduct	*-3.69*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	24.05	4.17
		For Galvanizing, Add	*5.99*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-3.98*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	41.16	5.56
		For Galvanizing, Add	*11.17*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.24*	
		For >200, Deduct	*-5.76*	

10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*

10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	9.88	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.35*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	11.50	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.43*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	15.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.64*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	15.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.64*	

10 26 13 00-0075 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	15.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.64*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	15.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.64*	

10 26 13 00-0078 Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*

10 26 13 00-0079 Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*

10 26 13 00-0080 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*

10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	19.30	3.34
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.95*	
		For >200, Deduct	*-3.19*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	32.06	3.61
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 200, Deduct	*-2.11*	
		For >200, Deduct	*-4.01*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	44.81	3.75
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 200, Deduct	*-2.19*	
		For >200, Deduct	*-4.74*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	41.85	3.89
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-4.69*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	59.80	4.03
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 200, Deduct	*-2.35*	
		For >200, Deduct	*-5.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	55.24	4.17
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.43*	
		For >200, Deduct	*-5.54*	

10 26 13 00-0087 Rubber Corner Guards *(10 26 13)*
Note: Includes adhesive for installation.

10 26 13 00-0088 Natural Rubber Corner Guards *(10 26 13 00-0087)*

10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*

10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*

10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	46.21	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-4.16*	
		For Bolting To Concrete Or Masonry, Add	*7.63*	

10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*

10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*

10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*

10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	20.61	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.88*	
		For Bolting To Concrete Or Masonry, Add	*3.79*	

10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*

10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*

10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*

10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	18.04	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.75*	
		For Bolting To Concrete Or Masonry, Add	*3.40*	

10 26 16 Bumper Guards *(10 26)*

10 26 16 13 Bumper Rails *(10 26 16)*

10 26 16 13-0001 Crash Rails *(10 26 16 13)*
Note: Includes end caps.

10 26 16 13-0002 Polycarbonate Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	10.80	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-3.50*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	12.00	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-3.56*	

10 26 16 13-0005 Aluminum Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	32.93	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-4.61*	

10 26 16 13-0007 Stainless Steel Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	58.45	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-5.89*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	45.69	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-5.25*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0010		**Wall Guards** *(10 26 16 13)*		
10 26 16 13-0011		**Rigid Vinyl Wall Guards With Aluminum Retainers** *(10 26 16 13-0010)* Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	11.28	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.16*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	13.77	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-3.65*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	14.96	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-3.71*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	15.60	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-3.74*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	18.72	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-4.08*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	18.82	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-4.09*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	19.40	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-4.12*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	23.44	4.17
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 200, Deduct	*-2.92*	
		For >200, Deduct	*-4.50*	
10 26 16 13-0020		**Rubber Wall Guards** *(10 26 16 13-0010)*		
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	15.36	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.36*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	22.72	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-4.10*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	33.76	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-4.65*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	47.67	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-5.35*	
10 26 16 13-0026		**Rectangular, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	36.13	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-4.95*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	45.72	4.17
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 200, Deduct	*-2.92*	
		For >200, Deduct	*-5.62*	
10 26 16 13-0029		**Wing Type, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	59.73	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-5.95*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	63.55	3.71
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 200, Deduct	*-2.59*	
		For >200, Deduct	*-6.14*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	28.79	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-4.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0033		U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	50.30	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-5.66*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	56.36	3.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-5.97*	
10 26 16 13-0036		Accent Rails *(10 26 16 13)*		
		Note: Includes end caps.		
10 26 16 13-0037		Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	13.36	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.26*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	13.39	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.27*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	19.27	3.24
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.56*	
10 26 16 16		**Protective Corridor Handrails** *(10 26 16)*		
10 26 16 16-0001		Protective Corridor Handrails *(10 26 16 16)*		
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	21.01	6.95
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-6.61*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	18.98	6.95
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-6.51*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	27.10	6.95
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-6.92*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	23.04	6.95
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-6.71*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	28.11	6.95
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-6.97*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	30.14	6.95
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-7.07*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	35.22	6.95
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-7.32*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	38.26	6.95
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-7.47*	
10 26 16 16-0011		Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*		
10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	45.37	6.95
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-7.83*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	46.38	6.95
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-7.88*	
10 26 16 16-0014		Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*		
		Note: Includes end caps.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	29.06	6.17
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 200, Deduct	*-4.33*	
		For >200, Deduct	*-6.40*	
		For Maple, Add	*0.50*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	34.64	6.59
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 200, Deduct	*-4.61*	
		For >200, Deduct	*-7.00*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	25.49	6.17
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 200, Deduct	*-4.33*	
		For >200, Deduct	*-6.22*	
		For Maple, Add	*5.65*	
		For Oak, Add	*6.30*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 00-0001 Impact Resistant Wall Protection *(10 26 23)*

Note: Includes standard trim.

10 26 23 00-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	7.17	2.31
10 26 23 00-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	7.48	2.31
10 26 23 00-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	9.27	2.31

10 26 23 00-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 00-0006 "L" Design *(10 26 23 00-0005)*

10 26 23 00-0007 L-Shield *(10 26 23 00-0006)*

10 26 23 00-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	10.66	2.31
10 26 23 00-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	12.66	3.24
10 26 23 00-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	16.56	4.17
10 26 23 00-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	22.38	5.10

10 26 23 00-0012 "Combo" Hanger *(10 26 23 00-0006)*

10 26 23 00-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	12.93	4.64
10 26 23 00-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	15.08	5.56
10 26 23 00-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	17.45	6.49
10 26 23 00-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	19.53	7.41
10 26 23 00-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	21.90	8.34

10 26 23 00-0018 Snap-2 Pipe Hanger *(10 26 23 00-0006)*

10 26 23 00-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	11.17	4.64
10 26 23 00-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	13.54	5.56
10 26 23 00-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	15.76	6.49
10 26 23 00-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	18.28	7.41
10 26 23 00-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	20.87	8.34

10 26 23 00-0024 Coupling *(10 26 23 00-0006)*

10 26 23 00-0025	EA	Coupling, L-Shield, 1" Shield Size	6.92	2.31
10 26 23 00-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	9.94	3.24
10 26 23 00-0027	EA	Coupling, L-Shield, 2" Shield Size	13.99	4.17
10 26 23 00-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	17.47	5.10

10 26 23 00-0029 Coupling, Reducer *(10 26 23 00-0006)*

10 26 23 00-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	17.30	2.78
10 26 23 00-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	21.17	3.24
10 26 23 00-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	25.02	3.71
10 26 23 00-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	92.05	4.64

10 26 23 00-0034 Shield Clips *(10 26 23 00-0006)*

10 26 23 00-0035	EA	Shield Clips, L-Support, 1" Shield Size	4.17	1.39
10 26 23 00-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	6.40	2.31
10 26 23 00-0037	EA	Shield Clips, L-Support, 2" Shield Size	8.55	3.24
10 26 23 00-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	9.95	4.17

10 26 23 00-0039 Wall Flange *(10 26 23 00-0006)*

10 26 23 00-0040	EA	Wall Flange, L-Shield, 1" Shield Size	6.77	2.31
10 26 23 00-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	9.65	3.24
10 26 23 00-0042	EA	Wall Flange, L-Shield, 2" Shield Size	13.70	4.17
10 26 23 00-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	49.58	5.10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0044		**End Cap** *(10 26 23 00-0006)*		
10 26 23 00-0045	EA	End Cap, L-Shield, 1" Shield Size	6.38	1.39
10 26 23 00-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	8.75	2.31
10 26 23 00-0047	EA	End Cap, L-Shield, 2" Shield Size	12.14	3.24
10 26 23 00-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	49.88	4.17
10 26 23 00-0049		**Inside/Outside Corner** *(10 26 23 00-0006)*		
10 26 23 00-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	37.37	4.64
10 26 23 00-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	40.62	5.56
10 26 23 00-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	49.20	6.95
10 26 23 00-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	83.85	8.34
10 26 23 00-0054		**Joiner** *(10 26 23 00-0006)*		
10 26 23 00-0055	LF	Joiner, L-Shield	7.99	1.39
10 26 23 00-0056		**"U" Design** *(10 26 23 00-0005)*		
10 26 23 00-0057		**U-Shield** *(10 26 23 00-0056)*		
10 26 23 00-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	12.57	2.31
10 26 23 00-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	15.88	3.24
10 26 23 00-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	20.30	3.24
10 26 23 00-0061		**"Combo" Hanger** *(10 26 23 00-0056)*		
10 26 23 00-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	11.54	4.64
10 26 23 00-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	13.76	5.56
10 26 23 00-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	15.91	6.49
10 26 23 00-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	19.31	7.41
10 26 23 00-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	21.83	8.34
10 26 23 00-0067		**Snap-2 Pipe Hanger** *(10 26 23 00-0056)*		
10 26 23 00-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	11.02	4.64
10 26 23 00-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	13.40	5.56
10 26 23 00-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	16.13	6.49
10 26 23 00-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	18.13	7.41
10 26 23 00-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	20.80	8.34
10 26 23 00-0073		**Coupling** *(10 26 23 00-0056)*		
10 26 23 00-0074	EA	Coupling, U-Shield, 1" Shield Size	7.94	2.31
10 26 23 00-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	10.16	3.24
10 26 23 00-0076	EA	Coupling, U-Shield, 2" Shield Size	12.52	4.17
10 26 23 00-0077		**Coupling, Reducer** *(10 26 23 00-0056)*		
10 26 23 00-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	20.24	2.78
10 26 23 00-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	24.10	3.24
10 26 23 00-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	25.76	3.71
10 26 23 00-0081		**Shield Clips** *(10 26 23 00-0056)*		
10 26 23 00-0082	EA	Shield Clips, U-Support, 1" Shield Size	3.88	1.39
10 26 23 00-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	5.89	2.31
10 26 23 00-0084	EA	Shield Clips, U-Support, 2" Shield Size	7.88	3.24
10 26 23 00-0085		**Wall Flange** *(10 26 23 00-0056)*		
10 26 23 00-0086	EA	Wall Flange, U-Shield, 1" Shield Size	7.72	2.31
10 26 23 00-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	10.09	3.24
10 26 23 00-0088	EA	Wall Flange, U-Shield, 2" Shield Size	12.45	4.17
10 26 23 00-0089		**End Cap** *(10 26 23 00-0056)*		
10 26 23 00-0090	EA	End Cap, U-Shield, 1" Shield Size	6.74	1.39
10 26 23 00-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	9.34	2.31
10 26 23 00-0092	EA	End Cap, U-Shield, 2" Shield Size	11.85	3.24
10 26 23 00-0093		**Inside/Outside Corner** *(10 26 23 00-0056)*		
10 26 23 00-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	46.25	4.64
10 26 23 00-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	51.71	5.56
10 26 23 00-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	61.39	6.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0097		**Elbow** *(10 26 23 00-0056)*		
10 26 23 00-0098	EA	Elbow, U-Shield, 1" Shield Size	45.44	4.64
10 26 23 00-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	50.24	5.56
10 26 23 00-0100	EA	Elbow, U-Shield, 2" Shield Size	59.99	6.95
10 26 23 00-0101		**Tee** *(10 26 23 00-0056)*		
10 26 23 00-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	58.16	6.95
10 26 23 00-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	65.06	8.34
10 26 23 00-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	76.24	10.20
10 26 23 00-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	75.93	7.88
10 26 23 00-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	82.65	9.74
10 26 23 00-0107		**Cross** *(10 26 23 00-0056)*		
10 26 23 00-0108	EA	Cross, U-Shield, 1" Shield Size	103.31	9.26
10 26 23 00-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	116.19	11.12
10 26 23 00-0110	EA	Cross, U-Shield, 2" Shield Size	141.42	13.90
10 26 23 00-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	140.17	10.20
10 26 23 00-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	154.93	12.51
10 26 23 00-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 00-0005)*		
10 26 23 00-0114		**Coupling Transition** *(10 26 23 00-0113)*		
10 26 23 00-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	18.00	2.31
10 26 23 00-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	20.73	3.24
10 26 23 00-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	25.88	4.17
10 26 23 00-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	20.46	2.78
10 26 23 00-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	25.61	3.71
10 26 23 00-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	96.23	4.64
10 26 23 00-0121		**Elbow Transition** *(10 26 23 00-0113)*		
10 26 23 00-0122	EA	Transition Elbow, 1" x 1" (UxL)	60.20	4.64
10 26 23 00-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	65.58	5.56
10 26 23 00-0124	EA	Transition Elbow, 2" x 2" (UxL)	77.17	6.95
10 26 23 00-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	92.40	5.10
10 26 23 00-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	66.27	5.10
10 26 23 00-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	98.25	6.49
10 26 23 00-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	77.04	6.49
10 26 23 00-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	117.88	7.41
10 26 23 00-0130		**Tee Transition** *(10 26 23 00-0113)*		
10 26 23 00-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	69.97	6.95
10 26 23 00-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	81.13	8.34
10 26 23 00-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	94.67	10.20
10 26 23 00-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	74.25	7.88
10 26 23 00-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	114.49	8.80
10 26 23 00-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	83.31	9.74
10 26 23 00-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	112.71	11.59
10 26 23 00-0138		**Fittings (L Or U)** *(10 26 23 00-0005)*		
10 26 23 00-0139		**Hugger Hangers For Steel Pipe** *(10 26 23 00-0138)*		
10 26 23 00-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	8.95	3.71
10 26 23 00-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	11.17	4.64
10 26 23 00-0142	EA	Hugger Hanger, For 1" Steel Pipe	13.18	5.56
10 26 23 00-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	15.25	6.49
10 26 23 00-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	17.25	7.41
10 26 23 00-0145	EA	Hugger Hanger, For 2" Steel Pipe	19.41	7.41
10 26 23 00-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	21.40	9.26
10 26 23 00-0147	EA	Hugger Hanger, For 3" Steel Pipe	25.97	10.20
10 26 23 00-0148		**Hugger Hangers For Copper Pipe** *(10 26 23 00-0138)*		
10 26 23 00-0149	EA	Hugger Hanger, For 1/2" Copper Pipe	9.02	3.71
10 26 23 00-0150	EA	Hugger Hanger, For 3/4" Copper Pipe	11.24	4.64
10 26 23 00-0151	EA	Hugger Hanger, For 1" Copper Pipe	13.25	5.56
10 26 23 00-0152	EA	Hugger Hanger, For 1-1/4" Copper Pipe	15.32	6.49
10 26 23 00-0153	EA	Hugger Hanger, For 1-1/2" Copper Pipe	17.33	7.41
10 26 23 00-0154	EA	Hugger Hanger, For 2" Copper Pipe	19.55	8.34
10 26 23 00-0155	EA	Hugger Hanger, For 2-1/2" Copper Pipe	21.55	9.26
10 26 23 00-0156	EA	Hugger Hanger, For 3" Copper Pipe	26.19	10.20

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0157		Shield Extension (L Or U) *(10 26 23 00-0138)*		
10 26 23 00-0158	LF	Shield Extension	9.53	1.39
10 26 23 00-0159		Interior Steel Soffit System *(10 26 23)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 00-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	19.00	4.17
		For 22 Gauge Steel, Add	*1.07*	
		For 20 Gauge Steel, Add	*2.28*	
		For 18 Gauge Steel, Add	*4.48*	
		For 16 Gauge Steel, Add	*6.88*	
		For Stainless Steel, Add	*2.67*	
10 26 23 00-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	32.89	11.59
		For Stainless Steel, Add	*2.43*	
10 26 23 00-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	74.07	13.90
		For Stainless Steel, Add	*11.34*	
10 26 23 00-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	24.27	6.95
		For Stainless Steel, Add	*2.59*	
10 26 23 00-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	5.97	2.78
		For Stainless Steel, Add	*0.10*	
10 26 23 00-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	21.28	4.17
		For 22 Gauge Steel, Add	*0.97*	
		For 20 Gauge Steel, Add	*2.07*	
		For 18 Gauge Steel, Add	*4.01*	
		For 16 Gauge Steel, Add	*6.73*	
		For Stainless Steel, Add	*3.24*	
10 26 23 00-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	32.89	11.59
		For Stainless Steel, Add	*2.43*	
10 26 23 00-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	74.07	13.90
		For Stainless Steel, Add	*11.34*	
10 26 23 00-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	20.57	5.10
		For Stainless Steel, Add	*2.59*	
10 26 23 00-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	5.97	2.78
		For Stainless Steel, Add	*0.10*	
10 26 41		**Bullet Resistant Panels** *(10 26)*		
10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	13.69	1.31
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	18.26	1.40
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	20.55	1.49
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	21.89	1.59
10 26 41 00-0006	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	25.43	1.77
10 26 41 00-0007	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	42.03	2.15
10 26 41 00-0008	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	71.24	4.01
10 26 41 00-0009	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	86.50	4.39
10 26 41 00-0010	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	98.02	4.66
10 28		Toilet, Bath, And Laundry Accessories *(10 20)*		
10 28 13		**Toilet Accessories** *(10 28)*		
10 28 13 13		**Commercial Toilet Accessories** *(10 28 13)*		
10 28 13 13-0001		Toilet Accessories *(10 28 13 13)*		
10 28 13 13-0002		Dispensers *(10 28 13 13-0001)*		
10 28 13 13-0003		Paper Towel Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	81.60	20.84
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	86.64	20.84
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	87.38	20.84
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	88.83	20.84
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	128.61	20.84
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	139.94	20.84
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	150.33	20.84
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	151.03	9.26
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	256.53	20.84
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	299.30	20.84
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	323.50	20.84
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	189.09	20.84
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	92.30	11.58
10 28 13 13-0018		Plastic Paper Towel Dispensers *(10 28 13 13-0003)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	64.44	20.84
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	122.26	20.84
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	121.49	20.84
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	104.86	20.84
10 28 13 13-0023		**Aluminum Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	69.48	20.84
10 28 13 13-0025		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0026		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	64.25	20.84
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	185.57	20.84
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	56.94	20.84
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	65.53	20.84
10 28 13 13-0031		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	59.03	20.84
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	59.40	20.84
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	62.02	20.84
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	66.86	20.84
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	84.77	20.84
10 28 13 13-0037		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	51.76	20.84
10 28 13 13-0039	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	76.01	20.84
10 28 13 13-0040	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	76.12	20.84
10 28 13 13-0041	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	87.57	20.84
10 28 13 13-0042	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	58.65	20.84
10 28 13 13-0043	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	93.35	20.84
10 28 13 13-0044	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	129.68	20.84
10 28 13 13-0045	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	133.09	20.84
10 28 13 13-0046	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	168.11	20.84
10 28 13 13-0047	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	190.35	20.84
10 28 13 13-0048	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	237.52	20.84
10 28 13 13-0049	EA	Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840)	106.04	20.84
10 28 13 13-0050	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	98.74	20.84
10 28 13 13-0051	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	81.44	20.84
10 28 13 13-0052		**Soap Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0053	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	75.07	20.84
		For 34 Fluid Ounce (B-822), Add	*4.33*	
10 28 13 13-0054	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	80.67	20.84
		For 34 Fluid Ounce (B-822), Add	*4.33*	
10 28 13 13-0055	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	53.81	20.84
10 28 13 13-0056	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	57.72	20.84
10 28 13 13-0057	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	69.87	20.84
10 28 13 13-0058	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	71.48	20.84
10 28 13 13-0059	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	76.19	20.84
10 28 13 13-0060	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	93.91	20.84
10 28 13 13-0061	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	155.61	20.84
10 28 13 13-0062	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	241.60	20.84
10 28 13 13-0063	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	153.99	20.84
10 28 13 13-0064		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0065	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	85.15	20.84
10 28 13 13-0066	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	64.72	20.84
10 28 13 13-0067		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0068	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	53.06	20.84
10 28 13 13-0069	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	67.80	20.84
10 28 13 13-0070	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	114.25	20.84
10 28 13 13-0071	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	121.48	20.84
10 28 13 13-0072	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	229.48	20.84
10 28 13 13-0073		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0074	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	357.96	20.84
10 28 13 13-0075	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	223.09	20.84
10 28 13 13-0076		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0077	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	439.95	20.84
10 28 13 13-0078	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	336.60	20.84
10 28 13 13-0079	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	445.64	20.84
10 28 13 13-0080	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	341.22	20.84
10 28 13 13-0081	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	301.25	20.84
10 28 13 13-0082		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0083	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	323.28	46.32
10 28 13 13-0084	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	358.84	46.32
10 28 13 13-0085	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	300.67	46.32
10 28 13 13-0086	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	415.92	46.32
10 28 13 13-0087	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	426.92	46.32
10 28 13 13-0088	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	488.30	46.32
10 28 13 13-0089	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	458.95	46.32
10 28 13 13-0090		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0091		**Wall Mounted Waste Receptacles** *(10 28 13 13-0090)*		
10 28 13 13-0092	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	76.18	20.84
10 28 13 13-0093	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	120.96	20.84
10 28 13 13-0094	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	278.81	46.32
10 28 13 13-0095	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	404.92	46.32
10 28 13 13-0096	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	324.52	46.32
10 28 13 13-0097		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0090)*		
10 28 13 13-0098	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	88.41	20.84
10 28 13 13-0099	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	123.01	20.84
10 28 13 13-0100	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	222.68	9.26
10 28 13 13-0101	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	334.98	9.26
10 28 13 13-0102	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	314.06	9.26
10 28 13 13-0103	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	302.15	9.26
10 28 13 13-0104		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0090)*		
10 28 13 13-0105	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	234.04	46.32
10 28 13 13-0106	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369)	365.18	46.32
10 28 13 13-0107	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	359.96	46.32
10 28 13 13-0108	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	514.89	46.32
10 28 13 13-0109	EA	12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	701.93	46.32
10 28 13 13-0110	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	596.12	46.32
10 28 13 13-0111	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949)	463.70	46.32
10 28 13 13-0112	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	739.76	46.32
10 28 13 13-0113	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	687.29	50.96
10 28 13 13-0114	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	468.65	50.96
10 28 13 13-0115		**Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0090)*		
10 28 13 13-0116	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	71.87	23.16
10 28 13 13-0117	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	133.41	23.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0118	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	144.26	23.16
10 28 13 13-0119	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	323.71	23.16
10 28 13 13-0120	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	176.34	23.16
10 28 13 13-0121	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	301.52	23.16
10 28 13 13-0122		Grab Bars *(10 28 13 13-0001)*		
10 28 13 13-0123		1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0122)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	68.69	18.53
		For Peened Grip, Add	*3.26*	
10 28 13 13-0125	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	77.96	18.53
		For Peened Grip, Add	*4.10*	
10 28 13 13-0126	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	78.89	18.53
		For Peened Grip, Add	*4.18*	
10 28 13 13-0127	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	79.33	18.53
		For Peened Grip, Add	*4.22*	
10 28 13 13-0128	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	79.44	18.53
		For Peened Grip, Add	*4.23*	
10 28 13 13-0129	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	81.69	18.53
		For Peened Grip, Add	*4.43*	
10 28 13 13-0130	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	85.23	18.53
		For Peened Grip, Add	*4.75*	
10 28 13 13-0131		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0122)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0132	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	127.17	18.53
		For Peened Grip, Add	*8.11*	
10 28 13 13-0133	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	129.59	18.53
		For Peened Grip, Add	*8.33*	
10 28 13 13-0134		1-1/2" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0122)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	77.18	18.53
		For Peened Grip, Add	*4.03*	
10 28 13 13-0136	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	77.96	18.53
		For Peened Grip, Add	*4.10*	
10 28 13 13-0137	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	79.44	18.53
		For Peened Grip, Add	*4.23*	
10 28 13 13-0138	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	80.94	18.53
		For Peened Grip, Add	*4.37*	
10 28 13 13-0139	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	82.81	18.53
		For Peened Grip, Add	*4.53*	
10 28 13 13-0140	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	84.49	18.53
		For Peened Grip, Add	*4.69*	
10 28 13 13-0141	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	88.59	18.53
		For Peened Grip, Add	*5.05*	
10 28 13 13-0142		1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0122)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	117.09	18.53
		For Peened Grip, Add	*7.20*	
10 28 13 13-0144	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	125.12	18.53
		For Peened Grip, Add	*7.93*	
10 28 13 13-0145	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	110.01	18.53
		For Peened Grip, Add	*6.57*	
10 28 13 13-0146		1-1/4" Diameter, Stainless Steel Swing Up Grab Bars *(10 28 13 13-0122)*		
		Note: Includes satin finish.		
10 28 13 13-0147	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	324.20	18.53
		For Peened Grip, Add	*26.26*	
10 28 13 13-0148		Shelves *(10 28 13 13-0001)*		
10 28 13 13-0149	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	89.62	20.84
10 28 13 13-0150	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	91.86	20.84
10 28 13 13-0151	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	102.12	20.84
10 28 13 13-0152	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	104.70	20.84
10 28 13 13-0153	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	100.63	20.84
10 28 13 13-0154	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	101.85	20.84
10 28 13 13-0155	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	107.90	20.84
10 28 13 13-0156	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	116.67	20.84
10 28 13 13-0157	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	135.20	20.84
10 28 13 13-0158	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	108.09	20.84
10 28 13 13-0159	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	109.95	20.84
10 28 13 13-0160	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	400.73	20.84
10 28 13 13-0161	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	432.10	20.84
10 28 13 13-0162	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	480.51	20.84

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0163	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	612.25	20.84
10 28 13 13-0164	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	852.23	20.84
10 28 13 13-0165	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	310.47	20.84
10 28 13 13-0166		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0167	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	320.05	27.79
10 28 13 13-0168	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	338.06	27.79
10 28 13 13-0169	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	282.29	27.79
10 28 13 13-0170	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,306.56	27.79
10 28 13 13-0171	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,513.04	27.79
10 28 13 13-0172	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,306.56	27.79
10 28 13 13-0173	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,513.04	27.79
10 28 13 13-0174		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0175	EA	33" Width, Wall-Mounted, Reversible, Folding , Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	406.28	37.06
10 28 13 13-0176	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	523.80	37.06
10 28 13 13-0177	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,174.40	37.06
10 28 13 13-0178		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0179	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	49.76	20.84
10 28 13 13-0180	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	51.06	20.84
10 28 13 13-0181	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	85.47	20.84
10 28 13 13-0182	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	92.00	20.84
10 28 13 13-0183		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0184	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.43	0.92
10 28 13 13-0185	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	37.38	9.26
10 28 13 13-0186	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	38.97	9.26
10 28 13 13-0187	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	67.98	20.84
10 28 13 13-0188	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	72.09	20.84
10 28 13 13-0189	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	77.12	20.84
10 28 13 13-0190	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	83.28	20.84
10 28 13 13-0191	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	60.90	20.84
10 28 13 13-0192	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	65.75	20.84
10 28 13 13-0193	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	68.54	20.84
10 28 13 13-0194	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	72.09	20.84
10 28 13 13-0195	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	62.95	20.84
10 28 13 13-0196	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	67.05	20.84
10 28 13 13-0197	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	71.90	20.84
10 28 13 13-0198	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	75.26	20.84
10 28 13 13-0199		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0200	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	367.68	22.91
10 28 13 13-0201	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	395.09	22.91
10 28 13 13-0202	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	436.51	22.91
10 28 13 13-0203	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	613.31	22.91
10 28 13 13-0204	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,246.95	22.91
10 28 13 13-0205	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,409.71	22.91
10 28 13 13-0206	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	1,288.50	22.91
10 28 13 13-0207	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	1,340.45	22.91
10 28 13 13-0208	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	1,395.86	22.91
10 28 13 13-0209	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,625.68	22.91
10 28 13 13-0210	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	963.54	22.91
10 28 13 13-0211	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,647.14	22.91
10 28 13 13-0212	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	739.40	22.91
10 28 13 13-0213	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	779.16	22.91
10 28 13 13-0214	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	801.88	22.91
10 28 13 13-0215	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	824.60	22.91
10 28 13 13-0216	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	870.05	22.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0217	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	603.06	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0218	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	642.83	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)	665.55	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	688.27	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	733.71	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0222	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	603.06	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0223	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	642.83	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	665.55	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0225	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	688.27	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0226	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	733.71	22.91
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	444.01	22.91
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	483.77	22.91
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	506.49	22.91
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	529.22	22.91
10 28 13 13-0231	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	574.66	22.91
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	444.01	22.91
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	483.77	22.91
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	506.49	22.91
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	529.22	22.91
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	574.66	22.91
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	330.40	22.91
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	370.16	22.91
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	415.61	22.91

10 28 13 13-0240 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	618.58	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH)	859.45	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	720.86	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH)	894.09	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	772.83	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH)	946.06	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	772.83	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH)	946.06	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	720.86	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH)	894.09	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	651.57	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH)	824.80	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	618.58	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-WH-ECO)	859.45	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	720.86	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-GRH-ECO)	894.09	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	772.83	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-CH-ECO)	946.06	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	772.83	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SBH-ECO)	946.06	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	720.86	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SPH-ECO)	894.09	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	651.57	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO)	824.80	22.91
		For ADA-Compliant Recess Kit, Add	*160.36*	
10 28 13 13-0265		Additional Accessories *(10 28 13 13-0001)*		
10 28 13 13-0266		Hooks *(10 28 13 13-0265)*		
10 28 13 13-0267	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	24.69	9.26
10 28 13 13-0268	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	28.79	9.26
10 28 13 13-0269	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	25.06	9.26
10 28 13 13-0270	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	26.89	9.26
10 28 13 13-0271	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	42.22	9.26
10 28 13 13-0272	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	38.49	9.26
10 28 13 13-0273		Clotheslines *(10 28 13 13-0265)*		
10 28 13 13-0274	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	43.16	18.53
10 28 13 13-0275		Towel Bars *(10 28 13 13-0265)*		
10 28 13 13-0276	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	53.52	20.84
10 28 13 13-0277	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	53.66	20.84
10 28 13 13-0278	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	59.13	20.84
10 28 13 13-0279	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	59.65	20.84
10 28 13 13-0280	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	83.65	20.84
10 28 13 13-0281	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	86.82	20.84
10 28 13 13-0282	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	86.08	20.84
10 28 13 13-0283	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	88.69	20.84
10 28 13 13-0284	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	93.36	20.84
10 28 13 13-0285	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	96.13	20.84
10 28 13 13-0286	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	73.02	20.84
10 28 13 13-0287	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	75.44	20.84
10 28 13 13-0288		Towel Bar With Shelf *(10 28 13 13-0265)*		
10 28 13 13-0289	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	154.54	20.84
10 28 13 13-0290		Towel Pins *(10 28 13 13-0265)*		
10 28 13 13-0291	EA	Stainless Steel Towel Pin (Bobrick B-677)	40.92	9.26

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0292		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0293		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0292)*		
10 28 13 13-0294	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	88.97	23.16
10 28 13 13-0295	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	99.21	23.16
10 28 13 13-0296	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	102.76	23.16
		For Tempered Glass (B-1658), Add	*29.78*	
10 28 13 13-0297	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	110.02	23.16
		For Tempered Glass (B-1658), Add	*34.86*	
10 28 13 13-0298	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	119.35	23.16
10 28 13 13-0299	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	123.28	23.16
		For Tempered Glass (B-1658), Add	*44.14*	
10 28 13 13-0300	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	149.01	23.16
10 28 13 13-0301	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	170.10	23.16
10 28 13 13-0302	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	202.31	23.16
10 28 13 13-0303	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	251.24	23.16
10 28 13 13-0304	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	280.97	23.16
10 28 13 13-0305		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0292)*		
10 28 13 13-0306	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	153.86	23.16
10 28 13 13-0307	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	164.87	23.16
10 28 13 13-0308	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	172.15	23.16
10 28 13 13-0309	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	192.67	23.16
10 28 13 13-0310		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0292)*		
10 28 13 13-0311	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	138.36	23.16
10 28 13 13-0312	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	150.51	23.16
		For Tempered Glass (B-2908), Add	*59.59*	
10 28 13 13-0313	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	154.61	23.16
		For Tempered Glass (B-2908), Add	*62.30*	
10 28 13 13-0314	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	178.86	23.16
10 28 13 13-0315	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	179.79	23.16
		For Tempered Glass (B-2908), Add	*78.92*	
10 28 13 13-0316	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	235.94	23.16
10 28 13 13-0317	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	275.12	23.16
10 28 13 13-0318	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	311.69	23.16
10 28 13 13-0319	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	212.10	23.16
10 28 13 13-0320	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	255.70	23.16
10 28 13 13-0321	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	384.64	23.16
10 28 13 13-0322		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0292)*		
10 28 13 13-0323	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	142.61	23.16
10 28 13 13-0324	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	268.59	23.16
10 28 13 13-0325	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	280.91	23.16
10 28 13 13-0326	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	311.69	23.16
10 28 13 13-0327		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0292)*		
10 28 13 13-0328	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	153.49	23.16
10 28 13 13-0329	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	194.71	23.16
10 28 13 13-0330		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0292)*		
10 28 13 13-0331	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	204.04	23.16
10 28 13 13-0332	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	212.07	23.16
10 28 13 13-0333	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	254.04	23.16
10 28 13 13-0334	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	309.44	23.16
10 28 13 13-0335		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0336		**Metal Medicine Cabinets** *(10 28 13 13-0335)*		
10 28 13 13-0337	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	477.29	46.32
10 28 13 13-0338	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	186.95	46.32
10 28 13 13-0339	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	192.26	46.32
10 28 13 13-0340	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	394.66	46.32
10 28 13 13-0341	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	533.63	46.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0342		Janitorial Material *(10 28 13 13)*		
10 28 13 13-0343	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	38.49	9.26
10 28 13 13-0344	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	98.76	20.84
10 28 13 13-0345	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	95.41	20.84
10 28 13 13-0346	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	107.22	20.84
10 28 13 13-0347	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	118.91	20.84
10 28 13 13-0348	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	82.29	20.84
10 28 13 13-0349	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	213.30	20.84
10 28 13 13-0350	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	303.41	20.84
10 28 13 13-0351		Remove And Reinstall Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0352	EA	Removal And Reinstallation Of Bathroom Accessory	28.95	
10 28 13 19		**Healthcare Toilet Accessories** *(10 28 13)*		
10 28 13 19-0001	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	139.32	29.00
10 28 13 19-0002	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	485.00	29.00
10 28 13 19-0003	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	186.20	77.18
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180)	120.78	18.53
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240)	125.74	18.53
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360)	129.04	18.53
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420)	141.70	18.53
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600)	276.30	18.53
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Recessed Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	86.12	20.84
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	120.19	20.84
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	127.11	20.84
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	89.05	20.84
10 28 16 13-0007		Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	55.46	13.90
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	63.18	13.90
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	63.18	13.90
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf	123.39	13.90
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	103.96	13.90
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	71.66	18.53
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	72.52	18.53
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	53.55	13.90
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	41.57	20.84
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	55.46	13.90
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	107.23	13.90
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	65.85	13.90
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	69.35	13.90
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	187.05	13.90
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	100.17	13.90
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	64.79	13.90
10 28 16 13-0024		Solid Oak Medicine Cabinets *(10 28 16 13-0001)*		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	684.89	46.32
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	823.56	46.32
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	731.12	46.32
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	886.63	46.32
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	760.28	46.32
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	942.03	46.32
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	800.31	46.32
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	1,009.74	46.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0033		Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0034	EA	Surface Mounted Paper Towel Dispenser, Plastic	58.78	20.84
10 28 16 13-0035	EA	Surface Mounted Napkin Disposal, Plastic	55.00	20.84
10 28 16 13-0036	EA	Soap Dispenser For Soaps And Detergent, 50 Fluid Oz, Plastic	56.33	
10 28 16 13-0037	EA	Soap Dispenser For Antibacterial Soaps, 50 Fluid Oz, Plastic	60.33	20.84
10 28 16 13-0038	EA	Multi Roll (2) Toilet Tissue Dispenser, Plastic	58.79	20.84
10 28 16 13-0039	EA	Single Jumbo Roll Toilet Tissue Dispenser, Plastic	71.96	25.48
10 28 16 13-0040	EA	Surface Mounted Toilet Seat Cover Dispenser, Plastic	45.51	18.53
10 28 16 13-0041	EA	Waste Door For Countertops, 13 Gallon, Plastic	120.55	34.74
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	352.40	46.28
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	369.42	23.14
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	440.03	23.14
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	367.61	23.14
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	391.72	23.14
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	534.01	23.14
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	557.60	23.14
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	579.81	23.14
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	603.41	23.14
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	626.32	23.14
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	585.30	23.14
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	537.54	23.14
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	550.41	23.14
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	564.09	23.14
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	571.72	23.14
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	583.02	23.14
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	606.21	23.14
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	736.13	23.14
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	779.85	23.14
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	705.68	23.14
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	715.25	23.14
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	804.24	23.14
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	523.18	23.14
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	528.69	23.14
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	541.13	23.14

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	956.58	30.11
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*58.46*	
		For Swing Key Hook Panel, Add	*157.46*	
		For Non-Locking Weather Housing, Add	*395.37*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,013.17	30.11
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*58.46*	
		For Swing Key Hook Panel, Add	*157.46*	
		For Second Swing Key Hook Panel, Add	*124.46*	
		For Non-Locking Weather Housing, Add	*395.37*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	486.86	30.11
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	430.27	30.11
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	568.92	30.11
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	604.29	30.11
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	294.51	37.98
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	299.28	37.98
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	300.24	37.98
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	329.80	37.98
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	407.06	37.98
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	417.55	37.98

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	313.65	37.98
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	318.79	37.98
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	327.36	37.98
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	341.92	37.98
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	386.98	37.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	400.69	37.98
10 44 13 00-0017		Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	308.30	37.98
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	313.39	37.98
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	315.94	37.98
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	333.33	37.98
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	368.18	37.98
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	378.78	37.98
10 44 13 00-0024		Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	959.53	37.98
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	966.27	37.98
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,103.80	37.98
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	356.51	37.98
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	392.76	37.98
10 44 13 00-0031		Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	320.27	37.98
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	329.80	37.98
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	330.76	37.98
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	363.19	37.98
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	428.05	37.98
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	438.54	37.98
10 44 13 00-0039		Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	351.85	37.98
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	364.70	37.98
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	372.41	37.98
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	386.98	37.98
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	437.53	37.98
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	449.53	37.98
10 44 13 00-0046		Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	330.42	37.98
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	336.36	37.98
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	338.91	37.98
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	352.06	37.98
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	384.72	37.98
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	391.93	37.98
10 44 13 00-0053		Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,199.62	37.98
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,205.27	37.98
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,376.09	37.98
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	390.85	37.98
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	425.19	37.98
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	312.64	37.98
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	318.36	37.98
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	364.14	37.98

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	420.42	37.98
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	435.68	37.98
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	433.25	37.98
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	444.39	37.98
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	469.24	37.98
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	518.08	37.98
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	538.64	37.98
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	367.33	37.98
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	375.39	37.98
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	395.33	37.98
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	433.93	37.98
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	445.81	37.98
10 44 13 00-0079		Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,370.76	37.98
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,540.27	37.98
10 44 13 00-0082		Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	369.86	37.98
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	411.83	37.98
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	558.72	37.98
10 44 13 00-0086		Fire Extinguisher Cabinet Accessories *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	30.48	11.58
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	27.92	11.58
10 44 13 00-0089	EA	Replacement Standard Pull Handle	26.36	11.58
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	79.27	23.16
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	126.63	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	139.29	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	189.94	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	259.59	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	303.91	
10 44 13 00-0096	EA	Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	73.45	
10 44 13 00-0097	EA	Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	75.98	
10 44 13 00-0098	EA	Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	101.30	
10 44 13 00-0099	EA	Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	183.61	
10 44 13 00-0100	EA	Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	186.15	
10 44 13 00-0101	EA	Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	80.04	
10 44 13 00-0102	EA	Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	84.04	
10 44 13 00-0103	EA	Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	113.39	
10 44 13 00-0104	EA	Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	200.10	
10 44 13 00-0105	EA	Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	202.77	
10 44 13 00-0106		Fire Hose Cabinets *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		Recessed Fire Hose Cabinets *(10 44 13 00-0106)*		
10 44 13 00-0108		Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	522.27	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	532.40	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	540.84	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	549.29	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	559.41	110.95
		For Solid Steel Door, Deduct	*-8.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	586.40	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	594.85	110.95
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	574.77	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	591.36	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	593.51	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	600.41	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	609.46	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	635.09	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	660.73	110.95
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	724.06	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	802.48	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	810.02	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	834.15	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	841.69	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	880.90	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	920.10	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	549.29	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	559.41	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	567.84	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	577.96	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	586.40	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	613.40	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	623.52	110.95
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	591.36	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	609.46	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	612.04	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	617.00	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	626.04	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	651.68	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	677.32	110.95
		For Solid Aluminum Door, Add	*6.50*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0149		Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*		
		Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	770.81	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	856.77	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	864.31	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	888.44	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	895.98	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	935.18	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	974.39	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0157		Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*		
10 44 13 00-0158		Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
		Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	559.41	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	567.84	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	577.96	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	586.40	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	594.85	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	623.52	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	631.97	110.95
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0166		Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
		Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	635.09	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	651.68	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	655.99	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	660.73	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	668.27	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	695.41	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	712.00	110.95
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0174		Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
		Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	834.15	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,084.48	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,147.81	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,162.89	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,177.97	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,241.31	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,319.72	110.95
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0002	EA	2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	198.53	12.04
		For >5 To 10, Deduct	*-6.84*	
		For >10, Deduct	*-13.68*	
		For Placement In Cabinet, Deduct	*-30.88*	
10 44 16 13-0003	EA	5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	297.29	13.90
		For >5 To 10, Deduct	*-11.30*	
		For >10, Deduct	*-22.60*	
		For Placement In Cabinet, Deduct	*-35.63*	
10 44 16 13-0004	EA	10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	386.73	17.61
		For >5 To 10, Deduct	*-14.70*	
		For >10, Deduct	*-29.41*	
		For Placement In Cabinet, Deduct	*-46.32*	
10 44 16 13-0005	EA	15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	475.50	22.23
		For >5 To 10, Deduct	*-17.98*	
		For >10, Deduct	*-35.97*	
		For Placement In Cabinet, Deduct	*-57.91*	
10 44 16 13-0006	EA	20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	527.78	22.23
		For >5 To 10, Deduct	*-20.60*	
		For >10, Deduct	*-41.20*	
		For Placement In Cabinet, Deduct	*-57.91*	
10 44 16 13-0007	EA	50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,788.02	35.20
		For >5 To 10, Deduct	*-80.14*	
		For >10, Deduct	*-160.27*	
10 44 16 13-0008	EA	100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,476.41	35.20
		For >5 To 10, Deduct	*-164.56*	
		For >10, Deduct	*-329.11*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	113.10	12.04
		For >5 To 10, Deduct	*-2.57*	
		For >10, Deduct	*-5.13*	
		For Placement In Cabinet, Deduct	*-30.88*	
10 44 16 13-0011	EA	5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	145.22	13.90
		For >5 To 10, Deduct	*-3.70*	
		For >10, Deduct	*-7.40*	
		For Placement In Cabinet, Deduct	*-35.63*	
10 44 16 13-0012	EA	10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	208.56	17.61
		For >5 To 10, Deduct	*-5.80*	
		For >10, Deduct	*-11.59*	
		For Placement In Cabinet, Deduct	*-46.32*	
10 44 16 13-0013	EA	20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	298.25	22.23
		For >5 To 10, Deduct	*-9.12*	
		For >10, Deduct	*-18.24*	
		For Placement In Cabinet, Deduct	*-57.91*	
10 44 16 13-0014	EA	50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,100.51	35.20
		For >5 To 10, Deduct	*-95.76*	
		For >10, Deduct	*-191.52*	
10 44 16 13-0015	EA	125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	3,190.47	35.20
		For >5 To 10, Deduct	*-150.26*	
		For >10, Deduct	*-300.52*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	222.95	13.90
		For >5 To 10, Deduct	*-7.58*	
		For >10, Deduct	*-15.17*	
		For Placement In Cabinet, Deduct	*-35.63*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	334.74	22.23
		For >5 To 10, Deduct	*-10.95*	
		For >10, Deduct	*-21.89*	
		For Placement In Cabinet, Deduct	*-57.91*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	351.56	22.23
		For >5 To 10, Deduct	*-11.79*	
		For >10, Deduct	*-23.58*	
		For Placement In Cabinet, Deduct	*-57.91*	
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	523.34	22.23
		For >5 To 10, Deduct	*-20.38*	
		For >10, Deduct	*-40.75*	

10 44 16 13-0021 Recharge Existing Portable Fire Extinguishers *(10 44 16 13)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 44 16 13-0022 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 44 16 13-0021)*

10 44 16 13-0023	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	9.84
10 44 16 13-0024	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	10.93
10 44 16 13-0025	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	11.37
10 44 16 13-0026	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	12.86
10 44 16 13-0027	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	14.86

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0028		**Recharge Dry Chemical, Class ABC Portable Fire Extinguishers** *(10 44 16 13-0021)*		
10 44 16 13-0029	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	11.87	
10 44 16 13-0030	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher	14.36	
10 44 16 13-0031	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher	20.30	
10 44 16 13-0032	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher	32.04	
10 44 16 13-0033		**Recharge Other Portable Fire Extinguishers** *(10 44 16 13-0021)*		
10 44 16 13-0034	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	11.74	
10 44 16 13-0035	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	83.68	
10 44 16 13-0036	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	117.16	
10 44 16 13-0037	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	48.24	
10 44 16 13-0038		**Fire Extinguisher Backboards** *(10 44 16 13)*		
10 44 16 13-0039		**Fire Extinguisher Backboards** *(10 44 16 13-0038)* Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	102.19	15.87
10 44 16 13-0041	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	140.01	
10 44 16 13-0042		**Inspections And Testing** *(10 44 16 13)*		
10 44 16 13-0043	EA	On Site Fire Extinguisher Annual Inspection (Tag)	10.62	
10 44 16 13-0044	EA	On Site Fire Extinguisher Hydrotest	15.61	
10 44 19		**Fire Blankets** *(10 44)*		
10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	358.34	37.98
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	267.72	37.98
10 50		**Storage Specialties** *(10)*		
10 51		**Lockers** *(10 50)*		
10 51 13		**Metal Lockers** *(10 51)*		
10 51 13 00-0001		Institutional And Corridor Lockers *(10 51 13)* Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002		Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)* Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	157.51	28.72
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-10.87*	
		For >100, Deduct	*-16.73*	
		For 14 Gauge Doors, Add	*8.01*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	162.82	28.72
		For >25 To 50, Deduct	*-5.27*	
		For >50 To 100, Deduct	*-11.40*	
		For >100, Deduct	*-17.53*	
		For 14 Gauge Doors, Add	*8.43*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	170.07	28.72
		For >25 To 50, Deduct	*-5.63*	
		For >50 To 100, Deduct	*-12.12*	
		For >100, Deduct	*-18.62*	
		For 14 Gauge Doors, Add	*9.01*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	170.37	29.65
		For >25 To 50, Deduct	*-5.55*	
		For >50 To 100, Deduct	*-12.00*	
		For >100, Deduct	*-18.44*	
		For 14 Gauge Doors, Add	*8.89*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	174.76	29.65
		For >25 To 50, Deduct	*-5.77*	
		For >50 To 100, Deduct	*-12.44*	
		For >100, Deduct	*-19.10*	
		For 14 Gauge Doors, Add	*9.24*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	179.05	29.65
		For >25 To 50, Deduct	*-5.99*	
		For >50 To 100, Deduct	*-12.87*	
		For >100, Deduct	*-19.74*	
		For 14 Gauge Doors, Add	*9.58*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	186.45	29.65
		For >25 To 50, Deduct	*-6.36*	
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-20.85*	
		For 14 Gauge Doors, Add	*10.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	193.77	29.65
		For >25 To 50, Deduct	*-6.72*	
		For >50 To 100, Deduct	*-14.34*	
		For >100, Deduct	*-21.95*	
		For 14 Gauge Doors, Add	*10.76*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	201.52	29.65
		For >25 To 50, Deduct	*-7.11*	
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-23.11*	
		For 14 Gauge Doors, Add	*11.38*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	208.68	29.65
		For >25 To 50, Deduct	*-7.47*	
		For >50 To 100, Deduct	*-15.83*	
		For >100, Deduct	*-24.19*	
		For 14 Gauge Doors, Add	*11.95*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	274.11	29.65
		For >25 To 50, Deduct	*-10.74*	
		For >50 To 100, Deduct	*-22.37*	
		For >100, Deduct	*-34.00*	
		For 14 Gauge Doors, Add	*17.19*	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	182.74	29.65
		For >25 To 50, Deduct	*-6.17*	
		For >50 To 100, Deduct	*-13.23*	
		For >100, Deduct	*-20.30*	
		For 14 Gauge Doors, Add	*13.58*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	186.08	29.65
		For >25 To 50, Deduct	*-6.34*	
		For >50 To 100, Deduct	*-13.57*	
		For >100, Deduct	*-20.80*	
		For 14 Gauge Doors, Add	*13.95*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	189.45	29.65
		For >25 To 50, Deduct	*-6.51*	
		For >50 To 100, Deduct	*-13.91*	
		For >100, Deduct	*-21.30*	
		For 14 Gauge Doors, Add	*14.32*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	190.73	30.57
		For >25 To 50, Deduct	*-6.48*	
		For >50 To 100, Deduct	*-13.88*	
		For >100, Deduct	*-21.27*	
		For 14 Gauge Doors, Add	*14.25*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	198.04	30.57
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-14.61*	
		For >100, Deduct	*-22.37*	
		For 14 Gauge Doors, Add	*15.06*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	202.45	30.57
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-15.05*	
		For >100, Deduct	*-23.03*	
		For 14 Gauge Doors, Add	*15.54*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	208.77	30.57
		For >25 To 50, Deduct	*-7.38*	
		For >50 To 100, Deduct	*-15.68*	
		For >100, Deduct	*-23.98*	
		For 14 Gauge Doors, Add	*16.24*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	215.11	30.57
		For >25 To 50, Deduct	*-7.70*	
		For >50 To 100, Deduct	*-16.31*	
		For >100, Deduct	*-24.93*	
		For 14 Gauge Doors, Add	*16.94*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	243.83	30.57
		For >25 To 50, Deduct	*-9.13*	
		For >50 To 100, Deduct	*-19.19*	
		For >100, Deduct	*-29.24*	
		For 14 Gauge Doors, Add	*20.09*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	249.04	30.57
		For >25 To 50, Deduct	*-9.39*	
		For >50 To 100, Deduct	*-19.71*	
		For >100, Deduct	*-30.02*	
		For 14 Gauge Doors, Add	*20.67*	

10 51 13 00-0025 Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	211.97	31.50
		For >25 To 50, Deduct	*-7.45*	
		For >50 To 100, Deduct	*-15.84*	
		For >100, Deduct	*-24.24*	
		For 14 Gauge Doors, Add	*22.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	215.40	31.50
		For >25 To 50, Deduct	*-7.62*	
		For >50 To 100, Deduct	*-16.19*	
		For >100, Deduct	*-24.75*	
		For 14 Gauge Doors, Add	*22.86*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	227.59	31.50
		For >25 To 50, Deduct	*-8.23*	
		For >50 To 100, Deduct	*-17.40*	
		For >100, Deduct	*-26.58*	
		For 14 Gauge Doors, Add	*24.69*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	239.27	31.50
		For >25 To 50, Deduct	*-8.81*	
		For >50 To 100, Deduct	*-18.57*	
		For >100, Deduct	*-28.33*	
		For 14 Gauge Doors, Add	*26.44*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	248.56	31.50
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.50*	
		For >100, Deduct	*-29.72*	
		For 14 Gauge Doors, Add	*27.83*	

10 51 13 00-0031 Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	209.24	32.43
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-23.60*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	215.22	32.43
		For >25 To 50, Deduct	*-7.52*	
		For >50 To 100, Deduct	*-16.01*	
		For >100, Deduct	*-24.50*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	224.85	32.43
		For >25 To 50, Deduct	*-8.00*	
		For >50 To 100, Deduct	*-16.97*	
		For >100, Deduct	*-25.95*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	232.56	32.43
		For >25 To 50, Deduct	*-8.39*	
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-27.10*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	243.65	32.43
		For >25 To 50, Deduct	*-8.94*	
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-28.77*	

10 51 13 00-0037 Six Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	226.15	33.35
		For >25 To 50, Deduct	*-7.97*	
		For >50 To 100, Deduct	*-16.95*	
		For >100, Deduct	*-25.92*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	230.76	33.35
		For >25 To 50, Deduct	*-8.20*	
		For >50 To 100, Deduct	*-17.41*	
		For >100, Deduct	*-26.61*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	239.48	33.35
		For >25 To 50, Deduct	*-8.64*	
		For >50 To 100, Deduct	*-18.28*	
		For >100, Deduct	*-27.92*	

10 51 13 00-0041 Locker And Coat Rack Combination *(10 51 13 00-0001)*

10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	387.62	22.23
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	628.17	46.32

10 51 13 00-0044 All-Welded Steel Lockers *(10 51 13)*

10 51 13 00-0045 All-Welded Steel Lockers *(10 51 13 00-0044)*

Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.

10 51 13 00-0046 Single Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes one hat shelf, two single hooks and one double hook.

10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	198.64	16.21
		For >25 To 50, Deduct	*-8.77*	
		For >50 To 100, Deduct	*-17.90*	
		For >100, Deduct	*-27.02*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	209.00	16.21
		For >25 To 50, Deduct	*-9.29*	
		For >50 To 100, Deduct	*-18.93*	
		For >100, Deduct	*-28.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	218.97	16.21
		For >25 To 50, Deduct	*-9.79*	
		For >50 To 100, Deduct	*-19.93*	
		For >100, Deduct	*-30.07*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	207.19	16.21
		For >25 To 50, Deduct	*-9.20*	
		For >50 To 100, Deduct	*-18.75*	
		For >100, Deduct	*-28.30*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	217.16	16.21
		For >25 To 50, Deduct	*-9.70*	
		For >50 To 100, Deduct	*-19.75*	
		For >100, Deduct	*-29.79*	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	227.13	16.21
		For >25 To 50, Deduct	*-10.20*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-31.29*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	218.73	17.84
		For >25 To 50, Deduct	*-9.66*	
		For >50 To 100, Deduct	*-19.71*	
		For >100, Deduct	*-29.75*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	227.96	17.84
		For >25 To 50, Deduct	*-10.12*	
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-31.14*	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	237.94	17.84
		For >25 To 50, Deduct	*-10.62*	
		For >50 To 100, Deduct	*-21.63*	
		For >100, Deduct	*-32.63*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	247.26	17.84
		For >25 To 50, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-34.03*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	254.94	17.84
		For >25 To 50, Deduct	*-11.47*	
		For >50 To 100, Deduct	*-23.33*	
		For >100, Deduct	*-35.18*	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	265.54	17.84
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-24.39*	
		For >100, Deduct	*-36.77*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	277.46	17.84
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-25.58*	
		For >100, Deduct	*-38.56*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	457.04	17.84
		For >25 To 50, Deduct	*-21.58*	
		For >50 To 100, Deduct	*-43.54*	
		For >100, Deduct	*-65.50*	

10 51 13 00-0061 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	239.52	16.21
		For >25 To 50, Deduct	*-10.82*	
		For >50 To 100, Deduct	*-21.98*	
		For >100, Deduct	*-33.15*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	244.09	16.21
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-22.44*	
		For >100, Deduct	*-33.83*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	256.38	16.21
		For >25 To 50, Deduct	*-11.66*	
		For >50 To 100, Deduct	*-23.67*	
		For >100, Deduct	*-35.68*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	249.47	17.84
		For >25 To 50, Deduct	*-11.20*	
		For >50 To 100, Deduct	*-22.78*	
		For >100, Deduct	*-34.36*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	266.41	17.84
		For >25 To 50, Deduct	*-12.05*	
		For >50 To 100, Deduct	*-24.48*	
		For >100, Deduct	*-36.90*	
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	275.63	17.84
		For >25 To 50, Deduct	*-12.51*	
		For >50 To 100, Deduct	*-25.40*	
		For >100, Deduct	*-38.29*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	288.79	17.84
		For >25 To 50, Deduct	*-13.17*	
		For >50 To 100, Deduct	*-26.71*	
		For >100, Deduct	*-40.26*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	294.98	17.84
		For >25 To 50, Deduct	*-13.48*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-41.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	312.83	17.84
		For >25 To 50, Deduct	*-14.37*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-43.87*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	326.65	17.84
		For >25 To 50, Deduct	*-15.06*	
		For >50 To 100, Deduct	*-30.50*	
		For >100, Deduct	*-45.94*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	297.17	17.84
		For >25 To 50, Deduct	*-13.58*	
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-41.52*	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	304.11	17.84
		For >25 To 50, Deduct	*-13.93*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-42.56*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	310.99	17.84
		For >25 To 50, Deduct	*-14.28*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-43.59*	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	327.31	17.84
		For >25 To 50, Deduct	*-15.09*	
		For >50 To 100, Deduct	*-30.57*	
		For >100, Deduct	*-46.04*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	330.32	17.84
		For >25 To 50, Deduct	*-15.24*	
		For >50 To 100, Deduct	*-30.87*	
		For >100, Deduct	*-46.49*	

10 51 13 00-0078 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	280.71	17.84
		For >25 To 50, Deduct	*-12.76*	
		For >50 To 100, Deduct	*-25.91*	
		For >100, Deduct	*-39.05*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	287.27	17.84
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-40.03*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	293.77	17.84
		For >25 To 50, Deduct	*-13.41*	
		For >50 To 100, Deduct	*-27.21*	
		For >100, Deduct	*-41.01*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	309.12	17.84
		For >25 To 50, Deduct	*-14.18*	
		For >50 To 100, Deduct	*-28.75*	
		For >100, Deduct	*-43.31*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	311.92	17.84
		For >25 To 50, Deduct	*-14.32*	
		For >50 To 100, Deduct	*-29.03*	
		For >100, Deduct	*-43.73*	

10 51 13 00-0084 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	290.90	17.84
		For >25 To 50, Deduct	*-13.27*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-40.58*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	300.47	17.84
		For >25 To 50, Deduct	*-13.75*	
		For >50 To 100, Deduct	*-27.88*	
		For >100, Deduct	*-42.01*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	307.50	17.84
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-43.07*	

10 51 13 00-0088 All Welded Locker Accessories *(10 51 13 00-0044)*

10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	70.14	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	115.63	3.71
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	133.67	3.71
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	82.23	3.71
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	25.17	3.71
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	24.11	3.71

10 51 13 00-0095 Athletic Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0096		**Single Tier Athletic Locker** *(10 51 13 00-0095)* Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA	12" x 15" x 60" Single Tier Athletic Locker	225.83	29.65
		For >25 To 50, Deduct	*-8.33*	
		For >50 To 100, Deduct	*-17.54*	
		For >100, Deduct	*-26.76*	
10 51 13 00-0098	EA	12" x 18" x 60" Single Tier Athletic Locker	232.86	29.65
		For >25 To 50, Deduct	*-8.68*	
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-27.81*	
10 51 13 00-0099	EA	15" x 15" x 60" Single Tier Athletic Locker	237.39	29.65
		For >25 To 50, Deduct	*-8.91*	
		For >50 To 100, Deduct	*-18.70*	
		For >100, Deduct	*-28.49*	
10 51 13 00-0100	EA	15" x 18" x 60" Single Tier Athletic Locker	244.89	29.65
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.45*	
		For >100, Deduct	*-29.62*	
10 51 13 00-0101	EA	18" x 18" x 60" Single Tier Athletic Locker	277.29	29.65
		For >25 To 50, Deduct	*-10.90*	
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-34.48*	
10 51 13 00-0102	EA	18" x 21" x 60" Single Tier Athletic Locker	303.04	29.65
		For >25 To 50, Deduct	*-12.19*	
		For >50 To 100, Deduct	*-25.26*	
		For >100, Deduct	*-38.34*	
10 51 13 00-0103	EA	18" x 24" x 60" Single Tier Athletic Locker	320.65	29.65
		For >25 To 50, Deduct	*-13.07*	
		For >50 To 100, Deduct	*-27.03*	
		For >100, Deduct	*-40.98*	
10 51 13 00-0104	EA	12" x 15" x 72" Single Tier Athletic Locker	233.64	29.65
		For >25 To 50, Deduct	*-8.72*	
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-27.93*	
10 51 13 00-0105	EA	12" x 18" x 72" Single Tier Athletic Locker	246.31	29.65
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-29.83*	
10 51 13 00-0106	EA	15" x 15" x 72" Single Tier Athletic Locker	250.76	29.65
		For >25 To 50, Deduct	*-9.57*	
		For >50 To 100, Deduct	*-20.04*	
		For >100, Deduct	*-30.50*	
10 51 13 00-0107	EA	15" x 18" x 72" Single Tier Athletic Locker	258.89	29.65
		For >25 To 50, Deduct	*-9.98*	
		For >50 To 100, Deduct	*-20.85*	
		For >100, Deduct	*-31.72*	
10 51 13 00-0108	EA	18" x 18" x 72" Single Tier Athletic Locker	278.95	29.65
		For >25 To 50, Deduct	*-10.98*	
		For >50 To 100, Deduct	*-22.86*	
		For >100, Deduct	*-34.73*	
10 51 13 00-0109	EA	18" x 21" x 72" Single Tier Athletic Locker	299.96	29.65
		For >25 To 50, Deduct	*-12.03*	
		For >50 To 100, Deduct	*-24.96*	
		For >100, Deduct	*-37.88*	
10 51 13 00-0110		**Two Tier Athletic Locker** *(10 51 13 00-0095)* Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111	EA	12" x 12" x 60" Two Tier Athletic Locker	251.18	30.57
		For >25 To 50, Deduct	*-9.50*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-30.34*	
10 51 13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	258.67	30.57
		For >25 To 50, Deduct	*-9.88*	
		For >50 To 100, Deduct	*-20.67*	
		For >100, Deduct	*-31.46*	
10 51 13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	267.09	30.57
		For >25 To 50, Deduct	*-10.30*	
		For >50 To 100, Deduct	*-21.51*	
		For >100, Deduct	*-32.73*	
10 51 13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	267.91	30.57
		For >25 To 50, Deduct	*-10.34*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-32.85*	
10 51 13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	269.67	30.57
		For >25 To 50, Deduct	*-10.43*	
		For >50 To 100, Deduct	*-21.77*	
		For >100, Deduct	*-33.11*	
10 51 13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	284.47	30.57
		For >25 To 50, Deduct	*-11.17*	
		For >50 To 100, Deduct	*-23.25*	
		For >100, Deduct	*-35.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	295.32	30.57
		For >25 To 50, Deduct	*-11.71*	
		For >50 To 100, Deduct	*-24.33*	
		For >100, Deduct	*-36.96*	
10 51 13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	343.76	30.57
		For >25 To 50, Deduct	*-14.13*	
		For >50 To 100, Deduct	*-29.18*	
		For >100, Deduct	*-44.23*	
10 51 13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	259.28	30.57
		For >25 To 50, Deduct	*-9.91*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-31.55*	
10 51 13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	266.95	30.57
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-21.50*	
		For >100, Deduct	*-32.70*	
10 51 13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	277.40	30.57
		For >25 To 50, Deduct	*-10.81*	
		For >50 To 100, Deduct	*-22.54*	
		For >100, Deduct	*-34.27*	
10 51 13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	278.99	30.57
		For >25 To 50, Deduct	*-10.89*	
		For >50 To 100, Deduct	*-22.70*	
		For >100, Deduct	*-34.51*	
10 51 13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	287.58	30.57
		For >25 To 50, Deduct	*-11.32*	
		For >50 To 100, Deduct	*-23.56*	
		For >100, Deduct	*-35.80*	
10 51 13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	298.13	30.57
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-24.62*	
		For >100, Deduct	*-37.38*	
10 51 13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	321.82	30.57
		For >25 To 50, Deduct	*-13.03*	
		For >50 To 100, Deduct	*-26.98*	
		For >100, Deduct	*-40.94*	

10 51 13 00-0126 Three Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one double hook per tier.

10 51 13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	271.06	31.50
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-21.75*	
		For >100, Deduct	*-33.10*	
10 51 13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	283.19	31.50
		For >25 To 50, Deduct	*-11.01*	
		For >50 To 100, Deduct	*-22.96*	
		For >100, Deduct	*-34.92*	
10 51 13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	293.92	31.50
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-24.04*	
		For >100, Deduct	*-36.53*	
10 51 13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	301.21	31.50
		For >25 To 50, Deduct	*-11.91*	
		For >50 To 100, Deduct	*-24.77*	
		For >100, Deduct	*-37.62*	
10 51 13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	313.34	31.50
		For >25 To 50, Deduct	*-12.52*	
		For >50 To 100, Deduct	*-25.98*	
		For >100, Deduct	*-39.44*	
10 51 13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	284.88	31.50
		For >25 To 50, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-23.13*	
		For >100, Deduct	*-35.17*	
10 51 13 00-0133	EA	12" x 15" x 72" Three Tier Athletic Locker	295.84	31.50
		For >25 To 50, Deduct	*-11.64*	
		For >50 To 100, Deduct	*-24.23*	
		For >100, Deduct	*-36.82*	
10 51 13 00-0134	EA	12" x 18" x 72" Three Tier Athletic Locker	310.96	31.50
		For >25 To 50, Deduct	*-12.40*	
		For >50 To 100, Deduct	*-25.74*	
		For >100, Deduct	*-39.08*	
10 51 13 00-0135	EA	15" x 15" x 72" Three Tier Athletic Locker	318.70	31.50
		For >25 To 50, Deduct	*-12.79*	
		For >50 To 100, Deduct	*-26.52*	
		For >100, Deduct	*-40.25*	
10 51 13 00-0136	EA	15" x 18" x 72" Three Tier Athletic Locker	330.31	31.50
		For >25 To 50, Deduct	*-13.37*	
		For >50 To 100, Deduct	*-27.68*	
		For >100, Deduct	*-41.99*	

10 51 13 00-0137 Four Tier Athletic Locker *(10 51 13 00-0095)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0138	EA	12" x 12" x 60" Four Tier Athletic Locker	252.21	32.43
		For >25 To 50, Deduct	*-9.37*	
		For >50 To 100, Deduct	*-19.71*	
		For >100, Deduct	*-30.05*	
10 51 13 00-0139	EA	12" x 15" x 60" Four Tier Athletic Locker	267.07	32.43
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-21.19*	
		For >100, Deduct	*-32.28*	
10 51 13 00-0140	EA	12" x 18" x 60" Four Tier Athletic Locker	281.93	32.43
		For >25 To 50, Deduct	*-10.85*	
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-34.51*	
10 51 13 00-0141	EA	15" x 15" x 60" Four Tier Athletic Locker	288.01	32.43
		For >25 To 50, Deduct	*-11.16*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-35.42*	
10 51 13 00-0142	EA	15" x 18" x 60" Four Tier Athletic Locker	312.42	32.43
		For >25 To 50, Deduct	*-12.38*	
		For >50 To 100, Deduct	*-25.73*	
		For >100, Deduct	*-39.08*	
10 51 13 00-0143	EA	12" x 12" x 72" Four Tier Athletic Locker	267.33	32.43
		For >25 To 50, Deduct	*-10.12*	
		For >50 To 100, Deduct	*-21.22*	
		For >100, Deduct	*-32.32*	
10 51 13 00-0144	EA	12" x 15" x 72" Four Tier Athletic Locker	282.41	32.43
		For >25 To 50, Deduct	*-10.88*	
		For >50 To 100, Deduct	*-22.73*	
		For >100, Deduct	*-34.58*	
10 51 13 00-0145	EA	12" x 18" x 72" Four Tier Athletic Locker	297.48	32.43
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-24.24*	
		For >100, Deduct	*-36.84*	
10 51 13 00-0146	EA	15" x 15" x 72" Four Tier Athletic Locker	305.20	32.43
		For >25 To 50, Deduct	*-12.02*	
		For >50 To 100, Deduct	*-25.01*	
		For >100, Deduct	*-38.00*	
10 51 13 00-0147	EA	15" x 18" x 72" Four Tier Athletic Locker	310.99	32.43
		For >25 To 50, Deduct	*-12.31*	
		For >50 To 100, Deduct	*-25.59*	
		For >100, Deduct	*-38.87*	
10 51 13 00-0148		Six Tier Athletic Locker *(10 51 13 00-0095)*		
10 51 13 00-0149	EA	12" x 12" x 72" Six Tier Athletic Locker	294.53	33.35
		For >25 To 50, Deduct	*-11.39*	
		For >50 To 100, Deduct	*-23.78*	
		For >100, Deduct	*-36.18*	
10 51 13 00-0150	EA	12" x 15" x 72" Six Tier Athletic Locker	306.11	33.35
		For >25 To 50, Deduct	*-11.97*	
		For >50 To 100, Deduct	*-24.94*	
		For >100, Deduct	*-37.91*	
10 51 13 00-0151	EA	12" x 18" x 72" Six Tier Athletic Locker	317.67	33.35
		For >25 To 50, Deduct	*-12.55*	
		For >50 To 100, Deduct	*-26.10*	
		For >100, Deduct	*-39.65*	
10 51 13 00-0152	EA	12" x 21" x 72" Six Tier Athletic Locker	359.86	33.35
		For >25 To 50, Deduct	*-14.66*	
		For >50 To 100, Deduct	*-30.32*	
		For >100, Deduct	*-45.98*	
10 51 13 00-0153		Metal Locker Accessories *(10 51 13)*		
10 51 13 00-0154		Locker Slope Tops *(10 51 13 00-0153)*		
10 51 13 00-0155		16 Gauge Continuous Sloping Hood *(10 51 13 00-0154)*		
10 51 13 00-0156	LF	12" Deep, 16 Gauge Continuous Slope Top	19.76	3.71
10 51 13 00-0157	LF	15" Deep, 16 Gauge Continuous Slope Top	17.12	3.71
10 51 13 00-0158	LF	18" Deep, 16 Gauge Continuous Slope Top	22.46	3.71
10 51 13 00-0159	LF	21" Deep, 16 Gauge Continuous Slope Top	24.51	3.71
10 51 13 00-0160	LF	24" Deep, 16 Gauge Continuous Slope Top	25.47	3.71
10 51 13 00-0161		16 Gauge Slope Top Corner Fillers *(10 51 13 00-0154)*		
10 51 13 00-0162	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	72.70	3.71
10 51 13 00-0163	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	74.20	3.71
10 51 13 00-0164	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	75.68	3.71
10 51 13 00-0165	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	77.49	3.71
10 51 13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	79.27	3.71
10 51 13 00-0167		20 Gauge Individual Slope Top *(10 51 13 00-0154)*		
10 51 13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	17.38	3.71
10 51 13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	17.28	3.71

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	18.91	3.71
10 51 13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	18.91	3.71
10 51 13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	19.29	3.71
10 51 13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	20.83	3.71
10 51 13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	20.83	3.71
10 51 13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	22.84	3.71
10 51 13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	25.25	3.71
10 51 13 00-0177		**Continuous Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0178	PR	12" Deep, Continuous Slope Top End Closures	18.34	3.71
10 51 13 00-0179	PR	15" Deep, Continuous Slope Top End Closures	16.02	3.71
10 51 13 00-0180	PR	18" Deep, Continuous Slope Top End Closures	20.25	3.71
10 51 13 00-0181	PR	21" Deep, Continuous Slope Top End Closures	21.21	3.71
10 51 13 00-0182	PR	24" Deep, Continuous Slope Top End Closures	21.87	3.71
10 51 13 00-0183		**Individual Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0184	EA	12" Deep, Individual Slope Top End Closures	12.87	3.71
10 51 13 00-0185	EA	15" Deep, Individual Slope Top End Closures	13.17	3.71
10 51 13 00-0186	EA	18" Deep, Individual Slope Top End Closures	13.84	3.71
10 51 13 00-0187	EA	21" Deep, Individual Slope Top End Closures	14.30	3.71
10 51 13 00-0188	EA	24" Deep, Individual Slope Top End Closures	19.03	3.71
10 51 13 00-0189		**Locker Base** *(10 51 13 00-0153)*		
10 51 13 00-0190		**Closed Front Base** *(10 51 13 00-0189)*		
10 51 13 00-0191	EA	12" Wide, 6" High Closed Front Base	13.38	3.71
10 51 13 00-0192	EA	15" Wide, 6" High Closed Front Base	13.89	3.71
10 51 13 00-0193	EA	18" Wide, 6" High Closed Front Base	14.93	3.71
10 51 13 00-0194	EA	24" Wide, 6" High Closed Front Base	15.43	3.71
10 51 13 00-0195		**Closed End Base** *(10 51 13 00-0189)*		
10 51 13 00-0196	EA	12" Deep, 6" High Closed End Base	14.77	3.71
10 51 13 00-0197	EA	15" Deep, 6" High Closed End Base	14.86	3.71
10 51 13 00-0198	EA	18" Deep, 6" High Closed End Base	15.54	3.71
10 51 13 00-0199	EA	21" Deep, 6" High Closed End Base	16.20	3.71
10 51 13 00-0200	EA	24" Deep, 6" High Closed End Base	17.11	3.71
10 51 13 00-0201		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0189)*		
10 51 13 00-0202	LF	4" High Recessed Continuous Front "Z" Base	14.65	2.78
10 51 13 00-0203		**"Z" Base Ends Or Splice** *(10 51 13 00-0189)*		
10 51 13 00-0204	EA	12" Wide, 4" High Z-Base Ends Or Splice	15.32	3.71
10 51 13 00-0205	EA	15" Wide, 4" High Z-Base Ends Or Splice	17.28	3.71
10 51 13 00-0206	EA	18" Wide, 4" High Z-Base Ends Or Splice	19.29	3.71
10 51 13 00-0207	EA	21" Wide, 4" High Z-Base Ends Or Splice	21.41	3.71
10 51 13 00-0208	EA	24" Wide, 4" High Z-Base Ends Or Splice	23.51	3.71
10 51 13 00-0209		**Locker Front Fillers And End Panels** *(10 51 13 00-0153)*		
10 51 13 00-0210		**Locker Front Fillers** *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	6" Wide x 48" High, 16 Gauge Front Filler	19.80	4.63
10 51 13 00-0212	EA	12" Wide x 48" High, 16 Gauge Front Filler	29.86	4.63
10 51 13 00-0213	EA	6" Wide x 60" High, 16 Gauge Front Filler	23.93	4.63
10 51 13 00-0214	EA	12" Wide x 60" High, 16 Gauge Front Filler	35.01	4.63
10 51 13 00-0215	EA	6" Wide x 66" High, 16 Gauge Front Filler	25.74	4.63
10 51 13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler	28.48	4.63
10 51 13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler	27.83	4.63
10 51 13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler	38.01	4.63
10 51 13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler	28.41	4.63
10 51 13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler	32.52	4.63
10 51 13 00-0221		**Locker End Panels** *(10 51 13 00-0209)*		
10 51 13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel	29.59	3.71
10 51 13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel	35.51	3.71
10 51 13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel	41.20	3.71
10 51 13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel	34.44	3.71
10 51 13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel	38.68	3.71
10 51 13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel	45.36	3.71
10 51 13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel	40.08	3.71
10 51 13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel	45.25	3.71
10 51 13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel	52.12	3.71
10 51 13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel	59.58	3.71

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0232		**Locker Recessed Trim** *(10 51 13 00-0153)*		
10 51 13 00-0233	LF	3" Height, Top Trim For Recessed Lockers	6.92	1.85
10 51 13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	18.03	3.71
10 51 13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	25.99	3.71
10 51 13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	26.83	3.71
10 51 13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	27.67	3.71
10 51 13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	28.40	3.71
10 51 13 00-0239		**Locker Interior Accessories** *(10 51 13 00-0153)*		
10 51 13 00-0240		**Locker Coat Rods** *(10 51 13 00-0239)*		
10 51 13 00-0241	EA	12" Wide Coat Rod	11.03	3.71
10 51 13 00-0242	EA	15" Wide Coat Rod	11.81	3.71
10 51 13 00-0243	EA	18" Wide Coat Rod	12.50	3.71
10 51 13 00-0244	EA	24" Wide Coat Rod	13.11	3.71
10 51 13 00-0245		**Locker Hat Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0246	EA	12" Wide Hat Shelf	12.67	3.71
10 51 13 00-0247	EA	15" Wide Hat Shelf	14.36	3.71
10 51 13 00-0248	EA	18" Wide Hat Shelf	15.07	3.71
10 51 13 00-0249	EA	24" Wide Hat Shelf	17.89	3.71
10 51 13 00-0250		**Locker ADA Compliant Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	22.95	4.63
10 51 13 00-0252		**Other Interior Locker Accessories** *(10 51 13 00-0239)*		
10 51 13 00-0253	EA	3" x 10" Bent Plate Shoe Rack	28.47	3.71
10 51 13 00-0254	EA	8" x 10" Mirror	23.21	3.71
10 51 13 00-0255	EA	Additional Hook	8.73	3.71
10 51 13 00-0256		**Locker Locks** *(10 51 13 00-0153)*		
10 51 13 00-0257	EA	Built In Combination Lock	25.17	3.71
10 51 13 00-0258		**Locker Repair And Refinishing** *(10 51 13)*		
10 51 13 00-0259	EA	Replace Single Tier Locker Door	227.39	
10 51 13 00-0260	EA	Replace Two Tier Locker Door	179.42	
10 51 13 00-0261	EA	Replace Three Tier Locker Door	155.33	
10 51 13 00-0262	EA	Replace Four Tier Locker Door	132.50	
10 51 13 00-0263	EA	Replace Six Tier Or Sixteen Person Locker Door	80.84	
10 51 13 00-0264	EA	Realign Metal Locker Door For Proper Closure	33.94	
10 51 13 00-0265	SF	Patch Small Drill Holes in Locker	6.79	
10 51 13 00-0266		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0267	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,097.26	69.49
10 51 13 00-0268	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	945.86	69.49
10 51 26		**Plastic Lockers** *(10 51)*		
10 51 26 00-0001		**Solid Plastic Lockers** *(10 51 26)* Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		**Single Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	371.78	28.72
		For >50 To 100, Deduct	*-31.43*	
		For >100, Deduct	*-48.87*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	378.09	28.72
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-49.82*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	384.40	28.72
		For >50 To 100, Deduct	*-32.70*	
		For >100, Deduct	*-50.77*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	393.85	28.72
		For >50 To 100, Deduct	*-33.64*	
		For >100, Deduct	*-52.18*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	383.85	28.72
		For >50 To 100, Deduct	*-32.64*	
		For >100, Deduct	*-50.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	386.50	28.72
		For >50 To 100, Deduct	*-32.91*	
		For >100, Deduct	*-51.08*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	381.84	28.72
		For >50 To 100, Deduct	*-32.44*	
		For >100, Deduct	*-50.38*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	407.88	28.72
		For >50 To 100, Deduct	*-35.04*	
		For >100, Deduct	*-54.29*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	401.87	28.72
		For >50 To 100, Deduct	*-34.44*	
		For >100, Deduct	*-53.39*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	408.88	28.72
		For >50 To 100, Deduct	*-35.14*	
		For >100, Deduct	*-54.44*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	415.88	28.72
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-55.49*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	431.91	28.72
		For >50 To 100, Deduct	*-37.45*	
		For >100, Deduct	*-57.89*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	453.94	28.72
		For >50 To 100, Deduct	*-39.65*	
		For >100, Deduct	*-61.20*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	433.90	28.72
		For >50 To 100, Deduct	*-37.65*	
		For >100, Deduct	*-58.19*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	469.95	28.72
		For >50 To 100, Deduct	*-41.25*	
		For >100, Deduct	*-63.60*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	404.66	28.72
		For >50 To 100, Deduct	*-34.72*	
		For >100, Deduct	*-53.81*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	425.20	28.72
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-56.89*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	445.75	28.72
		For >50 To 100, Deduct	*-38.83*	
		For >100, Deduct	*-59.97*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	430.70	28.72
		For >50 To 100, Deduct	*-37.33*	
		For >100, Deduct	*-57.71*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	452.47	28.72
		For >50 To 100, Deduct	*-39.50*	
		For >100, Deduct	*-60.98*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	474.26	28.72
		For >50 To 100, Deduct	*-41.68*	
		For >100, Deduct	*-64.25*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	456.74	28.72
		For >50 To 100, Deduct	*-39.93*	
		For >100, Deduct	*-61.62*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	479.76	28.72
		For >50 To 100, Deduct	*-42.23*	
		For >100, Deduct	*-65.07*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	461.07	29.65
		For >50 To 100, Deduct	*-40.18*	
		For >100, Deduct	*-62.05*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	484.10	29.65
		For >50 To 100, Deduct	*-42.48*	
		For >100, Deduct	*-65.50*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	507.10	29.65
		For >50 To 100, Deduct	*-44.78*	
		For >100, Deduct	*-68.95*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	490.95	29.65
		For >50 To 100, Deduct	*-43.17*	
		For >100, Deduct	*-66.53*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	515.24	29.65
		For >50 To 100, Deduct	*-45.60*	
		For >100, Deduct	*-70.17*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	539.50	29.65
		For >50 To 100, Deduct	*-48.02*	
		For >100, Deduct	*-73.81*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	514.78	29.65
		For >50 To 100, Deduct	*-45.55*	
		For >100, Deduct	*-70.10*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	546.36	29.65
		For >50 To 100, Deduct	*-48.71*	
		For >100, Deduct	*-74.84*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	571.86	29.65
		For >50 To 100, Deduct	*-51.26*	
		For >100, Deduct	*-78.66*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*
Note: Includes one double hook per tier.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	415.73	29.65
		For >50 To 100, Deduct	*-35.64*	
		For >100, Deduct	*-55.24*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	421.74	29.65
		For >50 To 100, Deduct	*-36.25*	
		For >100, Deduct	*-56.15*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	430.75	29.65
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-57.50*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	427.75	29.65
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-57.05*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	443.77	29.65
		For >50 To 100, Deduct	*-38.45*	
		For >100, Deduct	*-59.45*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	481.81	29.65
		For >50 To 100, Deduct	*-42.25*	
		For >100, Deduct	*-65.16*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	431.76	29.65
		For >50 To 100, Deduct	*-37.25*	
		For >100, Deduct	*-57.65*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	451.13	29.65
		For >50 To 100, Deduct	*-39.18*	
		For >100, Deduct	*-60.55*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	485.82	29.65
		For >50 To 100, Deduct	*-42.65*	
		For >100, Deduct	*-65.76*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	429.51	29.65
		For >50 To 100, Deduct	*-37.02*	
		For >100, Deduct	*-57.31*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	460.88	29.65
		For >50 To 100, Deduct	*-40.16*	
		For >100, Deduct	*-62.02*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	469.84	29.65
		For >50 To 100, Deduct	*-41.06*	
		For >100, Deduct	*-63.36*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	466.12	29.65
		For >50 To 100, Deduct	*-40.68*	
		For >100, Deduct	*-62.80*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	486.90	29.65
		For >50 To 100, Deduct	*-42.76*	
		For >100, Deduct	*-65.92*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	490.97	29.65
		For >50 To 100, Deduct	*-43.17*	
		For >100, Deduct	*-66.53*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	512.94	29.65
		For >50 To 100, Deduct	*-45.37*	
		For >100, Deduct	*-69.83*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	534.92	29.65
		For >50 To 100, Deduct	*-47.56*	
		For >100, Deduct	*-73.12*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	495.18	30.57
		For >50 To 100, Deduct	*-43.40*	
		For >100, Deduct	*-66.94*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	517.16	30.57
		For >50 To 100, Deduct	*-45.60*	
		For >100, Deduct	*-70.24*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	528.61	30.57
		For >50 To 100, Deduct	*-46.75*	
		For >100, Deduct	*-71.95*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	523.71	30.57
		For >50 To 100, Deduct	*-46.26*	
		For >100, Deduct	*-71.22*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	546.89	30.57
		For >50 To 100, Deduct	*-48.58*	
		For >100, Deduct	*-74.70*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	570.06	30.57
		For >50 To 100, Deduct	*-50.89*	
		For >100, Deduct	*-78.17*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	527.86	30.57
		For >50 To 100, Deduct	*-46.67*	
		For >100, Deduct	*-71.84*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	576.60	30.57
		For >50 To 100, Deduct	*-51.55*	
		For >100, Deduct	*-79.15*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	600.94	30.57
		For >50 To 100, Deduct	*-53.98*	
		For >100, Deduct	*-82.80*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	410.07	30.57
		For >50 To 100, Deduct	*-34.89*	
		For >100, Deduct	*-54.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	426.56	30.57
		For >50 To 100, Deduct	*-36.54*	
		For >100, Deduct	*-56.65*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	441.68	30.57
		For >50 To 100, Deduct	*-38.05*	
		For >100, Deduct	*-58.92*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	444.61	30.57
		For >50 To 100, Deduct	*-38.35*	
		For >100, Deduct	*-59.35*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	479.84	30.57
		For >50 To 100, Deduct	*-41.87*	
		For >100, Deduct	*-64.64*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	480.01	30.57
		For >50 To 100, Deduct	*-41.89*	
		For >100, Deduct	*-64.66*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	499.23	30.57
		For >50 To 100, Deduct	*-43.81*	
		For >100, Deduct	*-67.55*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	518.54	30.57
		For >50 To 100, Deduct	*-45.74*	
		For >100, Deduct	*-70.44*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	537.84	30.57
		For >50 To 100, Deduct	*-47.67*	
		For >100, Deduct	*-73.34*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	522.32	30.57
		For >50 To 100, Deduct	*-46.12*	
		For >100, Deduct	*-71.01*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	542.72	30.57
		For >50 To 100, Deduct	*-48.16*	
		For >100, Deduct	*-74.07*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	563.12	30.57
		For >50 To 100, Deduct	*-50.20*	
		For >100, Deduct	*-77.13*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	526.37	31.50
		For >50 To 100, Deduct	*-46.34*	
		For >100, Deduct	*-71.40*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	546.78	31.50
		For >50 To 100, Deduct	*-48.38*	
		For >100, Deduct	*-74.46*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	561.11	31.50
		For >50 To 100, Deduct	*-49.81*	
		For >100, Deduct	*-76.61*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	552.86	31.50
		For >50 To 100, Deduct	*-48.99*	
		For >100, Deduct	*-75.37*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	559.33	31.50
		For >50 To 100, Deduct	*-49.63*	
		For >100, Deduct	*-76.34*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	582.65	31.50
		For >50 To 100, Deduct	*-51.97*	
		For >100, Deduct	*-79.84*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	543.60	31.50
		For >50 To 100, Deduct	*-48.06*	
		For >100, Deduct	*-73.98*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	591.01	31.50
		For >50 To 100, Deduct	*-52.80*	
		For >100, Deduct	*-81.09*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	624.57	31.50
		For >50 To 100, Deduct	*-56.16*	
		For >100, Deduct	*-86.13*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	474.51	31.50
		For >50 To 100, Deduct	*-41.15*	
		For >100, Deduct	*-63.62*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	487.89	31.50
		For >50 To 100, Deduct	*-42.49*	
		For >100, Deduct	*-65.62*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	512.56	31.50
		For >50 To 100, Deduct	*-44.96*	
		For >100, Deduct	*-69.32*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	509.55	31.50
		For >50 To 100, Deduct	*-44.66*	
		For >100, Deduct	*-68.87*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	541.52	31.50
		For >50 To 100, Deduct	*-47.85*	
		For >100, Deduct	*-73.67*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	551.60	31.50
		For >50 To 100, Deduct	*-48.86*	
		For >100, Deduct	*-75.18*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	546.59	31.50
		For >50 To 100, Deduct	*-48.36*	
		For >100, Deduct	*-74.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	563.61	31.50
		For >50 To 100, Deduct	*-50.06*	
		For >100, Deduct	*-76.98*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	612.68	31.50
		For >50 To 100, Deduct	*-54.97*	
		For >100, Deduct	*-84.34*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	544.39	32.43
		For >50 To 100, Deduct	*-47.95*	
		For >100, Deduct	*-73.88*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	568.12	32.43
		For >50 To 100, Deduct	*-50.33*	
		For >100, Deduct	*-77.44*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	571.21	32.43
		For >50 To 100, Deduct	*-50.64*	
		For >100, Deduct	*-77.90*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	601.11	32.43
		For >50 To 100, Deduct	*-53.63*	
		For >100, Deduct	*-82.38*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	573.44	32.43
		For >50 To 100, Deduct	*-50.86*	
		For >100, Deduct	*-78.23*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	598.51	32.43
		For >50 To 100, Deduct	*-53.37*	
		For >100, Deduct	*-81.99*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	572.48	32.43
		For >50 To 100, Deduct	*-50.76*	
		For >100, Deduct	*-78.09*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	602.52	32.43
		For >50 To 100, Deduct	*-53.77*	
		For >100, Deduct	*-82.60*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	647.53	32.43
		For >50 To 100, Deduct	*-58.27*	
		For >100, Deduct	*-89.35*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	514.93	31.96
		For >50 To 100, Deduct	*-45.10*	
		For >100, Deduct	*-69.57*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	531.50	31.96
		For >50 To 100, Deduct	*-46.76*	
		For >100, Deduct	*-72.05*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	548.07	31.96
		For >50 To 100, Deduct	*-48.41*	
		For >100, Deduct	*-74.54*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	537.52	31.96
		For >50 To 100, Deduct	*-47.36*	
		For >100, Deduct	*-72.96*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	567.20	31.96
		For >50 To 100, Deduct	*-50.33*	
		For >100, Deduct	*-77.41*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	581.57	31.96
		For >50 To 100, Deduct	*-51.76*	
		For >100, Deduct	*-79.56*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	576.56	31.96
		For >50 To 100, Deduct	*-51.26*	
		For >100, Deduct	*-78.81*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	592.58	31.96
		For >50 To 100, Deduct	*-52.87*	
		For >100, Deduct	*-81.22*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	644.65	31.96
		For >50 To 100, Deduct	*-58.07*	
		For >100, Deduct	*-89.03*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	560.78	32.89
		For >50 To 100, Deduct	*-49.50*	
		For >100, Deduct	*-76.22*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	579.37	32.89
		For >50 To 100, Deduct	*-51.36*	
		For >100, Deduct	*-79.01*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	597.94	32.89
		For >50 To 100, Deduct	*-53.22*	
		For >100, Deduct	*-81.80*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	591.44	32.89
		For >50 To 100, Deduct	*-52.57*	
		For >100, Deduct	*-80.82*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	604.50	32.89
		For >50 To 100, Deduct	*-53.87*	
		For >100, Deduct	*-82.78*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	624.07	32.89
		For >50 To 100, Deduct	*-55.83*	
		For >100, Deduct	*-85.72*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	609.03	32.89
		For >50 To 100, Deduct	*-54.33*	
		For >100, Deduct	*-83.46*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	631.47	32.89
		For >50 To 100, Deduct	*-56.57*	
		For >100, Deduct	*-86.83*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	657.51	32.89
		For >50 To 100, Deduct	*-59.17*	
		For >100, Deduct	*-90.73*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	591.57	32.43
		For >50 To 100, Deduct	*-52.67*	
		For >100, Deduct	*-80.95*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	581.31	33.35
		For >50 To 100, Deduct	*-51.46*	
		For >100, Deduct	*-79.19*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	599.87	33.35
		For >50 To 100, Deduct	*-53.32*	
		For >100, Deduct	*-81.98*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	612.25	33.35
		For >50 To 100, Deduct	*-54.56*	
		For >100, Deduct	*-83.83*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	636.99	33.35
		For >50 To 100, Deduct	*-57.03*	
		For >100, Deduct	*-87.54*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	644.22	33.35
		For >50 To 100, Deduct	*-57.75*	
		For >100, Deduct	*-88.63*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	649.38	33.35
		For >50 To 100, Deduct	*-58.27*	
		For >100, Deduct	*-89.40*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	651.43	33.35
		For >50 To 100, Deduct	*-58.47*	
		For >100, Deduct	*-89.71*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	674.12	33.35
		For >50 To 100, Deduct	*-60.74*	
		For >100, Deduct	*-93.11*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	704.03	33.35
		For >50 To 100, Deduct	*-63.73*	
		For >100, Deduct	*-97.60*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	28.84

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	31.51

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	70.34

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	26.78

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	76.72

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	6.69
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	20.09
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	26.78

10 51 53 Locker Room Benches *(10 51)*

10 51 53 00-0001	LF	Hardwood Bench With Aluminum Pedestals	60.56	4.63
10 51 53 00-0002	LF	Hardwood Bench With Painted Steel Pedestals	48.93	4.63
10 51 53 00-0003	LF	Plastic Laminated Bench With Steel Pedestals	73.19	4.63
10 51 53 00-0004	LF	Solid Plastic Bench With Steel Pedestals	70.07	4.63
10 51 53 00-0005	LF	Aluminum Bench With Aluminum Pedestals	55.10	4.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 55 Postal Specialties *(10 50)*

10 55 23 Mail Boxes *(10 55)*

10 55 23 23 Residential Mail Boxes *(10 55 23)*

10 55 23 23-0001 Residential Mail Boxes *(10 55 23 23)*

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	78.70	10.43
		For Stainless Steel Sleeve, Add	*14.41*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	101.02	10.43
		For Stainless Steel Sleeve, Add	*14.41*	
10 55 23 23-0004	EA	Aluminum Or Galvanized Wall Mounted Mailbox	57.71	9.26
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	89.49	11.58

10 55 23 26 Commercial Mail Boxes *(10 55 23)*

10 55 23 26-0001 Commercial Letter Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	231.61	13.90
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	266.55	13.90

10 55 23 26-0004 Commercial Horizontal Mail Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	51.61	13.90
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	106.42	18.53
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	64.58	11.58
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	100.68	18.53

10 55 23 26-0009 Commercial Cluster Mail Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.

10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	1,164.93	27.79
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	1,382.61	37.06
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	1,942.86	37.06
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	2,001.09	37.06
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	2,088.44	37.06

10 55 23 26-0015 Commercial 4C Mail Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,110.13	37.06
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	1,924.34	37.06
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	1,994.22	37.06

10 55 26 Parcel Lockers *(10 55)*

10 55 26 00-0001 Parcel Lockers *(10 55 26)*

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	869.48	27.79
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,036.09	37.06

10 56 Storage Assemblies *(10 50)*

10 56 13 Metal Storage Shelving *(10 56)*

10 56 13 16 Post-And-Shelf Metal Storage Shelving *(10 56 13)*

10 56 13 16-0001 Baked Enamel Steel Shelving *(10 56 13 16)*

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	82.21	17.06
		For >75" To 87" High, Add	*6.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	83.06	17.92
		For >75" To 87" High, Add	*6.71*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	81.40	19.62
		For >75" To 87" High, Add	*6.41*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	100.64	21.33
		For >75" To 87" High, Add	*8.22*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	112.07	22.18
		For >75" To 87" High, Add	*9.23*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	109.50	23.89
		For >75" To 87" High, Add	*8.86*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	120.86	25.59
		For >75" To 87" High, Add	*9.86*	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*

Note: Adjustable shelves.

10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	56.33	8.70
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	56.21	9.30
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	62.75	9.90
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	65.39	10.49
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	74.73	11.17

10 56 13 16-0016 4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	68.34	17.06
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	58.06	17.92
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	66.00	19.62
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	69.66	21.33
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	78.71	22.18

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*

Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	16.08	2.33
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	17.33	2.80
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	17.48	4.67
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	13.93	5.60
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	15.16	5.98
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	16.56	6.44
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	20.78	

10 56 16 00-0011 Plywood Shelf With Edge Band *(10 56 16 00-0001)*

10 56 16 00-0012	LF	3/4" Plywood Shelf, 12" Wide With Edge Band	15.88	5.60
10 56 16 00-0013	LF	3/4" Plywood Shelf, 24" Wide With Edge Band	23.16	7.00

10 56 16 00-0014 Adjustable Shelf And Rod *(10 56 16 00-0001)*

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Including Rod	114.44	21.00
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Including Rod	137.98	28.00

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	14.45	5.60
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	15.63	5.98
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	48.98	9.33

10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	15.66	8.77

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	54.82	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	56.57	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	60.63	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	65.87	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	67.17	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	78.41	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	86.68	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	94.64	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	102.63	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	121.01	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	131.88	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	147.59	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	38.27	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	39.46	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	40.89	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	42.97	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	45.49	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	52.26	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	53.70	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	59.83	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	120.26	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	124.95	9.26
		For Installation On Concrete Walls, Add	*2.34*	
		For Installation On Concrete Block Walls, Add	*3.94*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	42.28	9.26
		For Installation On Concrete Walls, Add	*3.38*	
		For Installation On Concrete Block Walls, Add	*4.98*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	43.18	9.26
		For Installation On Concrete Walls, Add	*3.40*	
		For Installation On Concrete Block Walls, Add	*5.00*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	43.82	9.26
		For Installation On Concrete Walls, Add	*3.43*	
		For Installation On Concrete Block Walls, Add	*5.03*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	45.90	9.26
		For Installation On Concrete Walls, Add	*3.48*	
		For Installation On Concrete Block Walls, Add	*5.08*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	46.97	9.26
		For Installation On Concrete Walls, Add	*3.51*	
		For Installation On Concrete Block Walls, Add	*5.11*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	50.17	9.26
		For Installation On Concrete Walls, Add	*3.59*	
		For Installation On Concrete Block Walls, Add	*5.19*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	27.93	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	41.50	4.63
		For Custom Made Units, Add	*17.53*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	37.81	4.63
		For Custom Made Units, Add	*15.32*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	79.54	4.63
		For Custom Made Units, Add	*40.36*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	54.80	4.63
		For Custom Made Units, Add	*23.77*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	42.78	4.63
		For Custom Made Units, Add	*16.56*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	132.70	4.63
		For Custom Made Units, Add	*70.51*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	1,273.50	171.58
		For Custom Made Units, Add	*644.01*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,000.22	171.58
		For Custom Made Units, Add	*480.04*	

10 70 Exterior Specialties *(10)*

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*

Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish	44.25	6.90
10 73 13 13-0003	SF	Ribbed Aluminum Window Awning, Baked Enamel Finish	39.19	6.18
10 73 13 13-0004	SF	Flat Roofed Steel Awning (Per SF Of Covered Area)	96.73	7.16
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	100.01	8.06

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	42.86	6.15
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	23.90	1.99
10 73 13 23-0004	SF	Replacement Canvas For Awnings	17.83	
		Note: Includes removal of existing canvas cover.		
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 16		**Canopies** *(10 73)*		
10 73 16 13		**Metal Canopies** *(10 73 16)*		
10 73 16 13-0001		Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)* Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	4,042.70	397.90
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	7,388.45	636.79
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	4,985.29	497.86
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	8,870.67	665.74
10 73 26		**Walkway Coverings** *(10 73)* Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.		
10 73 26 13		**Metal Walkway Coverings** *(10 73 26)*		
10 73 26 13-0001		Steel Walkway/Parking Covers *(10 73 26 13)* Note: Factory applied polyester finish.		
10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	49.69	5.66
		For Snow Load (30 PSF), Add	*15.34*	
		For Wind Load (140 MPH), Add	*19.18*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	52.95	6.11
		For Snow Load (30 PSF), Add	*16.30*	
		For Wind Load (140 MPH), Add	*20.38*	
10 73 26 13-0004		Aluminum Walkway/Parking Covers *(10 73 26 13)*		
10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	38.41	5.66
		For Snow Load (30 PSF), Add	*10.83*	
		For Wind Load (140 MPH), Add	*13.54*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	41.73	6.11
		For Snow Load (30 PSF), Add	*11.81*	
		For Wind Load (140 MPH), Add	*14.77*	
10 75		Flagpoles *(10 70)* Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.		
10 75 16		**Ground-Set Flagpoles** *(10 75)*		
10 75 16 00-0001		Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*		
10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	2,729.20	714.26
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	2,922.33	779.19
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	3,654.20	909.06
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,234.87	1,038.92
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	7,602.16	1,168.78
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	9,018.09	1,298.65
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	15,258.43	1,428.52
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	19,669.81	1,558.38
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0010		Free Standing Tapered Aluminum Flagpoles *(10 75 16)* Note: Heavy duty.		
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,067.78	649.32
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,423.65	714.26
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,681.44	779.19
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*300.00*	
		For Bronze Anodized Finish, Add	*375.00*	
		For Black Anodized Finish, Add	*450.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,353.96	909.06
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,091.88	1,038.92
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,500.06	1,103.85
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	5,516.44	1,168.78
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	9,007.48	1,298.65
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	9,863.11	1,428.52
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	12,190.12	1,558.38
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0021		Flagpole Bases *(10 75 16)*		
10 75 16 00-0022		Flagpole Concrete Base *(10 75 16 00-0021)* Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,138.45	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,177.86	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	1,354.12	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	1,432.79	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	1,717.28	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	2,079.76	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	2,463.19	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	2,868.56	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	3,349.79	
10 75 16 00-0032		Direct Embedded Flagpole Base *(10 75 16 00-0021)*		
		Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	539.12	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	773.82	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	863.93	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	972.96	
10 75 16 00-0037		Flagpole Accessories *(10 75 16)*		
10 75 16 00-0038		Flagpole Tops *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	97.08	39.39
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	104.99	41.70
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	115.52	44.02
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	142.37	46.34
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	178.40	48.66
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	196.77	50.97
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	183.04	50.97
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	211.98	57.92
10 75 16 00-0047		Flagpole Accessories *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	0.80	0.07
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.41	0.07
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.32	0.07
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.06	0.07
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	310.62	115.81
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	220.11	69.49
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	17.57	4.63
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.53	0.08
10 75 23		**Wall-Mounted Flagpoles** *(10 75)*		
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,511.92	569.58
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,645.46	626.54
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,785.53	683.50
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,072.21	797.41
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	1,836.15	512.62
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	1,989.31	569.58
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,243.29	683.50
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13		**Bird Control Devices** *(10 81)*		
10 81 13 00-0001		Stainless Steel Spiked Bird Barrier *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.22	0.74
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	7.50	0.74
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.95	0.74
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)* Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.77	0.74
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.98	0.74
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	8.35	0.74
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	6.48	0.74
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)* Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	4.74	0.74
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	5.54	0.74
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)* Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	87.49	0.74
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	127.03	0.74
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	158.55	0.74
10 81 13 00-0018		Oriented Flexible Flame Resistant Netting *(10 81 13)* Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.63	0.27
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.62	0.27
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.27
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.27
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.27
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.58	0.27
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.58	0.27
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.57	0.27
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.27
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.19	
10 81 13 00-0031		Netting Accessories *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	5.00	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	7.53	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	8.86	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	12.60	
10 86		**Security Mirrors And Domes** *(10 80)*		
10 86 00 00-0001		Dome Mirrors *(10 86)* Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002		Steel Dome Mirrors *(10 86 00 00-0001)*		
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	182.69	18.54
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	213.67	19.46
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	246.50	21.31
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	326.19	23.17
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	131.13	13.90
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	150.72	14.83
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	175.53	16.21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	241.62	17.61
10 86 00 00-0011		**Plexiglas Dome Mirrors** *(10 86 00 00-0001)*		
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	145.83	21.31
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	202.09	23.17
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	265.22	26.87
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	320.66	32.44
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	467.49	46.34
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	91.07	16.21
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	120.43	17.61
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	157.14	20.39
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	193.48	24.56
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	305.04	34.75
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	60.72	13.90
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	76.56	15.29
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	99.00	17.15
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	122.83	20.39
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	201.01	28.96
10 86 00 00-0027		**Coated Plexiglas Dome Mirrors** *(10 86 00 00-0001)*		
10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	171.79	21.31
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	260.34	23.17
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	437.16	32.44
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	671.37	46.34
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	112.85	16.21
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	164.37	17.61
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	258.06	24.56
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	424.07	34.75
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	83.14	13.90
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	114.29	15.29
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	146.61	17.15
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	187.66	20.39
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	292.19	28.96
10 86 00 00-0041		**Circular Convex Security Mirrors** *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0042		**Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	65.12	14.83
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	82.97	16.21
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	121.82	17.61
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	151.32	20.39
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	199.81	24.56
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	348.10	34.75
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	104.37	16.21
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	147.15	17.61
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	209.94	24.56
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	378.49	34.75
10 86 00 00-0053		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	124.12	16.21
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	190.96	17.61
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	254.77	20.39
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	317.58	24.56
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	460.80	34.75
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	147.29	16.21
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	223.89	17.61
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	309.23	20.39
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	350.50	24.56
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	553.24	34.75
10 86 00 00-0064		**Security Mirrors** *(10 86)*		
10 86 00 00-0065	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	76.93	28.62
10 86 00 00-0066	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	82.62	28.62
10 86 00 00-0067	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	123.33	23.85
10 86 00 00-0068	EA	8" x 10" Framed Stainless Steel Replacement Mirror	73.77	28.62
10 86 00 00-0069	EA	10" x 14" Framed Stainless Steel Replacement Mirror	104.93	28.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation And Maintenance Of Equipment *(11)*

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment *(11 01)*

11 01 10 13 Operation And Maintenance Of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	342.68	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	359.05	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	377.67	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	498.94	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	516.45	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	729.78	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	741.10	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	762.07	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	875.57	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	890.61	

11 10 Vehicle And Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	713.73	111.08
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	698.07	111.08
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	621.71	111.08
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	682.71	111.08

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*

Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,057.81	148.11
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	1,160.89	148.11
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	953.42	148.11
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,025.40	74.06

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	363.38	27.77
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	363.38	27.77
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	363.38	27.77
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	206.98	27.77
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	121.85	27.77
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	73.43	9.25
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	182.45	37.03
11 11 19 00-0019	EA	Unistrut Reel Brackets	141.56	7.40
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	204.88	27.77

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*

Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amp, 1 phase.	2,461.11	117.74
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amp, 1 phase.	4,312.36	156.98
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	4,450.05	117.74
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	7,551.58	156.98
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.	2,101.25	58.87
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.	4,015.63	58.87
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amp, 1 phase.	2,055.36	78.49
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	3,895.17	78.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		Electric Vehicle Charging Stations (AeroVironment) *(11 11 36 13)*		
		Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	1,633.85	39.24
		Note: Includes charging station only. Excludes mounting bracket or pedestal.		
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	2,358.17	78.49
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	3,913.53	98.12
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	2,515.14	117.74
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,070.51	137.36
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	5,625.87	156.98
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	7,181.25	176.61
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0018		Electric Vehicle Charging Stations (Leviton) *(11 11 36 13)*		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton CPHG1-000)	3,210.32	117.74
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*1,839.00*	
		For Bollard Cap (Leviton CPCAP-B), Add	*169.00*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,271.00*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*169.00*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,159.00*	
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton CPHD1-000)	2,632.19	117.74
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*1,839.00*	
		For Bollard Cap (Leviton CPCAP-B), Add	*169.00*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,271.00*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*169.00*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,159.00*	
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton CPHG2-000)	6,095.93	156.98
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*1,839.00*	
		For Bollard Cap (Leviton CPCAP-B), Add	*169.00*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,271.00*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*169.00*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,159.00*	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton CPHD2-000)	5,515.93	156.98
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*1,839.00*	
		For Bollard Cap (Leviton CPCAP-B), Add	*169.00*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,271.00*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*169.00*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,159.00*	
11 12		Parking Control Equipment *(11 10)*		
11 12 16		**Parking Ticket Dispensers** *(11 12)*		
11 12 16 00-0001		Parking Ticket Dispensers *(11 12 16)*		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Printer	6,547.10	164.94
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	8,756.82	164.94
11 12 23		**Parking Meters** *(11 12)*		
11 12 23 00-0001		Parking Meters *(11 12 23)*		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	159.75	
11 12 26		**Parking Fee Collection Equipment** *(11 12)*		
11 12 26 00-0001		Parking Fee Collection Equipment *(11 12 26)*		
11 12 26 00-0002	EA	Multiple Station Slot Box For Parking Fee Collection	1,572.53	55.90
11 12 33		**Parking Gates** *(11 12)*		
11 12 33 13		**Lift Arm Parking Gates** *(11 12 33)*		
11 12 33 13-0001		Barrier Parking Gate Operators *(11 12 33 13)*		
11 12 33 13-0002		Barrier Parking Gate Operators *(11 12 33 13-0001)*		
		Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,884.46	228.74
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,874.66	228.74
		For 230/460 Volt AC, Add	*322.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,998.78	228.74
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	4,232.68	228.74
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	4,984.44	228.74
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	5,180.42	228.74
11 12 33 13-0009		Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)*		
		Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	8,664.49	457.49
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	10,127.88	457.49
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	8,737.99	457.49
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	10,201.38	457.49
11 12 33 13-0014		Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	115.61	16.97
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	105.81	16.97
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	229.93	16.97
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	340.17	16.97
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	311.59	16.97
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	311.59	16.97
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	376.92	16.97
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	387.45	101.86
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	387.45	101.86
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	400.57	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,044.10	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	614.67	16.97
		Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		Tire Shredding Traffic Control Spikes *(11 12 36)*		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	1,374.02	271.61
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	2,340.63	135.81
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	1,687.35	135.81
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	1,057.28	50.92
		Note: Includes light and mounting post.		
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	878.92	67.91
		Note: Includes mounting post and hardware.		
11 13		Loading Dock Equipment *(11 10)*		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		Laminated Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	104.69	18.53
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	131.11	18.53
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	168.39	18.53
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	115.95	18.53
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	125.29	18.53
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.98	18.53
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	168.39	18.53
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	228.05	18.53
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	130.86	18.53
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.98	18.53
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	173.70	18.53
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	196.20	18.53
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	269.25	18.53
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	160.56	18.53

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.72	18.53
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	242.45	18.53
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	146.04	18.53
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	155.26	18.53
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	177.50	18.53
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	211.37	18.53
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	286.32	18.53
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	166.51	18.53
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	174.09	18.53
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	204.17	18.53
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	249.04	18.53
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	374.66	18.53
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	211.50	18.53
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	241.58	18.53
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	245.59	18.53
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	57.50	18.53
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	61.21	18.53
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	66.17	18.53
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	71.12	18.53
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	76.92	18.53
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	92.54	18.53
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	97.04	18.53
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.29	18.53
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	92.67	18.53
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	113.73	18.53
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	131.07	18.53
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	164.15	18.53
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	79.68	18.53
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	70.11	18.53
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	91.94	18.53
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	113.95	18.53
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	119.14	18.53
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	89.43	18.53
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	114.82	18.53
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	167.09	18.53
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	97.03	18.53
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	143.46	18.53
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	143.01	18.53
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	214.70	18.53
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	135.85	18.53
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	126.78	18.53
11 13 16		**Loading Dock Seals And Shelters *(11 13)***		
11 13 16 13		**Loading Dock Seals *(11 13 16)***		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	75.49	18.53
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	76.44	18.53
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	77.39	18.53
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	79.28	18.53
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	81.18	18.53
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	83.10	18.53
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	85.02	18.53
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	87.00	18.53
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	88.97	18.53

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	90.87	18.53
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	92.76	18.53
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	96.61	18.53
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	86.76	18.53
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	87.71	18.53
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	88.66	18.53
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	90.58	18.53
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.50	18.53
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.40	18.53
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.29	18.53
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.21	18.53
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	100.14	18.53
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.03	18.53
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	103.98	18.53
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.77	18.53
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.76	18.53
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	93.74	18.53
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.71	18.53
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.61	18.53
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.50	18.53
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	100.43	18.53
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.35	18.53
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.24	18.53
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.14	18.53
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	108.06	18.53
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.98	18.53
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.88	18.53
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	70.47	18.53
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	71.96	18.53
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	75.26	18.53
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	78.51	18.53
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	81.85	18.53
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	85.10	18.53
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	88.39	18.53
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	81.13	18.53
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	82.66	18.53
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	85.96	18.53
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	89.25	18.53
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	92.50	18.53
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.80	18.53
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	99.05	18.53
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	86.90	18.53
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	88.39	18.53
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	91.73	18.53
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	94.98	18.53
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	98.28	18.53
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	101.53	18.53
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	104.87	18.53
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	117.22	23.16
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	88.79	22.23
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	92.28	22.23
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	95.86	23.16
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	98.27	23.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
		Note: Includes all anchor bolts and fasteners.		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
11 13 19 13-0002		20,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler	6,006.50	763.40
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler	6,429.96	848.23
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler	7,851.26	1,017.87
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler	6,390.80	848.23
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler	6,938.02	933.05
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler	8,316.04	1,017.87
11 13 19 13-0009		25,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler	6,124.59	763.40
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler	6,551.15	848.23
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler	7,964.80	1,017.87
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler	6,505.35	848.23
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler	7,043.50	933.05
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler	8,538.90	1,017.87
11 13 19 13-0016		30,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler	6,422.55	890.64
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler	6,834.71	1,017.87
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler	8,313.66	1,187.51
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler	6,834.71	1,017.87
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler	7,346.91	1,145.11
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler	8,825.85	1,145.11
11 13 19 13-0023		35,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler	6,645.28	848.23
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler	7,058.68	933.05
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler	8,848.68	1,102.70
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler	7,058.68	933.05
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler	7,668.02	1,017.87
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler	9,184.29	1,187.51
11 13 19 13-0030		40,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler	7,015.66	848.23
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler	7,428.45	933.05
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler	8,933.51	1,102.70
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler	7,428.45	933.05
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler	8,038.53	1,017.87
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler	9,554.54	1,187.51
11 13 19 13-0037		45,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler	7,340.38	933.05
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler	7,761.01	1,017.87
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler	9,256.94	1,187.51
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler	7,762.29	1,017.87
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler	8,366.51	1,102.70
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler	9,870.91	1,272.34
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 LB Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler	4,801.59	763.40
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler	5,232.66	848.23
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler	6,646.35	1,017.87
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler	5,186.98	848.23
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler	5,733.12	933.05
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler	7,234.02	1,017.87
11 13 19 13-0052		40,000 LB Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler	5,917.32	848.23
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler	6,330.12	933.05
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler	6,902.13	1,102.70
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler	6,330.12	933.05
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler	7,189.23	1,017.87
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler	8,456.21	1,187.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0059		Edge-Of-Dock Levelers *(11 13 19 13)* Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,128.17	254.47
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,379.93	254.47
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,343.50	254.47
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,689.12	254.47
11 13 19 13-0065		Manual Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0066	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,523.43	254.47
11 13 19 13-0067	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,675.10	254.47
11 13 19 13-0068	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,721.48	254.47
11 13 19 13-0069	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,835.22	254.47
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	13,054.35	186.67
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	8,806.71	186.67
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	16,193.92	280.01
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	28,573.48	560.01
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	29,888.54	746.69
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	26,604.08	1,336.24
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	30,424.42	1,603.49
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	6,267.62	318.09
11 13 19 33-0003	EA	Rotating Hook Truck Restraint System (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,832.95	318.09
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift	10,480.85	84.88
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	245.96	68.72
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	300.08	68.72
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	141.11	54.98
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	276.04	91.63
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	355.50	91.63
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	316.04	91.63
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	415.58	91.63
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	491.87	91.63
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	538.64	91.63
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	576.03	91.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	310.79	91.63
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	340.37	91.63
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	365.62	91.63

11 14 Pedestrian Control Equipment *(11 10)*

11 14 13 Pedestrian Gates *(11 14)*

11 14 13 16 Rotary Gates *(11 14 13)*

11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	7,545.99	1,177.32
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	8,443.10	1,177.32
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	16,521.34	1,756.51
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	16,026.61	1,756.51
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	8,454.64	1,177.32
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	9,317.12	1,177.32
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	19,342.95	1,756.51
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	17,517.40	1,756.51
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,848.78	1,177.32
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	14,886.13	1,177.32
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,444.84	1,756.51
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	28,817.03	1,756.51
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	13,622.92	1,177.32
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	15,215.95	1,177.32
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	21,798.46	1,756.51
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	26,976.63	1,756.51
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	26,429.83	1,177.49
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	140.17	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	98.95	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,943.42	1,177.32
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,842.18	1,177.32
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	18,005.53	1,756.51
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	16,668.11	1,756.51
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	18,005.53	1,756.51
11 14 13 16-0035		Powder Coated Steel *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	8,850.42	1,177.32
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	9,854.73	1,177.32
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	23,792.22	1,756.51
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	18,167.14	1,756.51
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	19,507.86	1,756.51
11 14 13 16-0041		Anodized Aluminum *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,015.33	1,177.32
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,526.56	1,177.32
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	15,380.86	1,177.32
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,353.49	1,756.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	20,314.27	1,756.51
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,672.91	1,756.51
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	14,455.72	1,177.32
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	15,428.68	1,177.32
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	24,892.17	1,756.51
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	28,248.09	1,756.51
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	31,049.91	1,756.51
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	24,159.02	1,177.49
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	25,537.67	1,177.49
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	26,139.59	1,177.49
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	42,906.94	1,756.51
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	45,561.99	1,756.51
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	8,517.31	1,177.32
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	9,442.45	1,177.32
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	21,158.61	1,756.51
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	17,692.20	1,756.51
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	9,353.40	1,177.32
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	10,415.42	1,177.32
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	24,290.25	1,756.51
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	19,199.48	1,756.51
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,580.98	1,177.32
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,069.11	1,177.32
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	16,038.85	1,177.32
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	19,506.21	1,756.51
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	30,743.18	1,756.51
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	15,013.11	1,177.32
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	16,002.57	1,177.32
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,301.15	1,756.51
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	29,072.64	1,756.51
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	32,187.79	1,756.51
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	24,637.26	1,177.49
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	25,933.45	1,177.49
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	26,677.20	1,177.49
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	43,912.89	1,756.51
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	46,386.54	1,756.51
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	549.15	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	385.89	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	126.98	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	126.98	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	100.60	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	98.95	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	90.70	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	2,303.79	
11 14 13 16-0098		**Relocate Rotary Gate** *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	3,458.34	

11 14 13 19 Turnstiles *(11 14 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 19-0001		**Security Turnstiles** *(11 14 13 19)*		
11 14 13 19-0002	EA	7' Security Turnstile With Automatic Control Free Turning Note: One direction, Type B.	7,427.95	584.33
11 14 13 19-0003	EA	7' Security Turnstile, Type B Free Turning In Both Directions	6,588.30	584.33
11 14 13 19-0004	EA	7' Security Turnstile With Automatic Control Free Turning Note: One direction, Type AA.	8,730.61	584.33
11 14 13 19-0005	EA	7' Security Turnstile, Type AA Free Turning In Both Directions	7,961.86	584.33
11 14 13 19-0006		**Turnstiles** *(11 14 13 19)*		
11 14 13 19-0007	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	1,712.29	350.01
11 14 13 19-0008	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	2,176.63	350.01

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		**Dairy Products** *(11 21 63)*		
11 21 63 00-0002		**Refrigerated Dairy Case** *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,475.48	277.80
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		**Refrigerated Milk Unit** *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	7,094.07	202.16
11 21 63 00-0006		**Refrigerated Ice Cream And Milk Dispenser** *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	7,865.37	222.01
11 21 63 00-0008		**Ice Cream Dispenser** *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	6,569.34	186.94
11 21 63 00-0010		**Drop-In Ice Cream Freezer** *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,638.27	46.53
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,140.80	60.83
11 21 63 00-0013		**Ice Cream Cabinets** *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	5,131.12	145.39
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	7,309.47	209.82
11 21 63 00-0016		**Delicatessen Case, Service Deli** *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,463.71	231.50
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	1,638.09	277.80
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	1,896.92	65.31
11 21 63 00-0020		**Meat Case** *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,082.71	277.80
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,173.01	277.80
11 21 63 00-0023		**Produce Case** *(11 21 63)*		
11 21 63 00-0024	LF	Produce Case, Single - Deck	1,127.80	277.80
11 21 63 00-0025	LF	Produce Case, Multi - Deck	1,244.95	277.80
11 21 63 00-0026		**Bottle Coolers** *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	4,188.96	926.00
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	6,323.78	1,388.99
11 21 63 00-0029		**Cold Pan Units** *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	2,626.11	74.04
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	3,648.56	103.57
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	4,313.96	122.50
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	4,434.88	126.56
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	4,826.88	136.63
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	5,735.35	161.46

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	2,384.49	64.06

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens *(11 30 13 13)*

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0003	EA	20" Electric Range With Oven	571.71	67.91
		For Stainless Steel, Add	*108.98*	
11 30 13 13-0004	EA	24" Electric Range With Oven	596.69	67.91
		For Stainless Steel, Add	*115.22*	
11 30 13 13-0005	EA	30" Electric Range With Oven	634.16	67.91
		For Stainless Steel, Add	*124.59*	

11 30 13 13-0006 Gas Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0007	EA	20" Gas Range With Oven	634.16	67.91
		For Stainless Steel, Add	*124.59*	
11 30 13 13-0008	EA	24" Gas Range With Oven	666.63	67.91
		For Stainless Steel, Add	*132.71*	
11 30 13 13-0009	EA	30" Gas Range With Oven	696.61	67.91
		For Stainless Steel, Add	*140.20*	

11 30 13 13-0010 Range Hoods *(11 30 13 13)*

11 30 13 13-0011 Venting Range Hoods *(11 30 13 13-0010)*

11 30 13 13-0012	EA	21" Venting Range Hood (Broan 40000)	200.14	50.92
		For Stainless Steel, Add	*14.74*	
11 30 13 13-0013	EA	24" Venting Range Hood (Broan 40000)	185.54	50.92
		For Stainless Steel, Add	*12.55*	
11 30 13 13-0014	EA	30" Venting Range Hood (Broan 40000)	182.98	50.92
		For Stainless Steel, Add	*12.17*	
11 30 13 13-0015	EA	36" Venting Range Hood (Broan 40000)	185.54	50.92
		For Stainless Steel, Add	*12.55*	

11 30 13 13-0016 Non-Ducted Range Hoods *(11 30 13 13-0010)*

11 30 13 13-0017	EA	21" Non Ducted Range Hood (Broan 41000)	202.03	50.92
		For Stainless Steel, Add	*15.03*	
11 30 13 13-0018	EA	24" Non Ducted Range Hood (Broan 41000)	187.48	50.92
		For Stainless Steel, Add	*12.84*	
11 30 13 13-0019	EA	30" Non Ducted Range Hood (Broan 41000)	184.91	50.92
		For Stainless Steel, Add	*12.46*	
11 30 13 13-0020	EA	36" Non Ducted Range Hood (Broan 41000)	187.48	50.92
		For Stainless Steel, Add	*12.84*	

11 30 13 13-0021 Microwaves *(11 30 13 13)*

11 30 13 13-0022 Countertop Microwaves *(11 30 13 13-0021)*

11 30 13 13-0023	EA	1.1 CF Countertop Microwave Oven	119.39	8.49
		For Stainless Steel, Add	*15.36*	
11 30 13 13-0024	EA	1.2 CF Countertop Microwave Oven	141.86	8.49
		For Stainless Steel, Add	*18.73*	
11 30 13 13-0025	EA	1.3 CF Countertop Microwave Oven	145.60	8.49
		For Stainless Steel, Add	*19.29*	
11 30 13 13-0026	EA	1.4 CF Countertop Microwave Oven	178.09	8.49
		For Stainless Steel, Add	*24.17*	
11 30 13 13-0027	EA	1.5 CF Countertop Microwave Oven	190.58	8.49
		For Stainless Steel, Add	*26.04*	
11 30 13 13-0028	EA	1.6 CF Countertop Microwave Oven	203.07	8.49
		For Stainless Steel, Add	*27.92*	
11 30 13 13-0029	EA	1.7 CF Countertop Microwave Oven	215.56	8.49
		For Stainless Steel, Add	*29.79*	
11 30 13 13-0030	EA	1.8 CF Countertop Microwave Oven	228.05	8.49
		For Stainless Steel, Add	*31.66*	
11 30 13 13-0031	EA	2.0 CF Countertop Microwave Oven	241.78	8.49
		For Stainless Steel, Add	*33.72*	

11 30 13 13-0032 Over-The-Range Microwaves *(11 30 13 13-0021)*

11 30 13 13-0033	EA	1.5 CF Over-The Range Microwave	421.07	67.90
		For Stainless Steel, Add	*47.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0034	EA	1.6 CF Over-The Range Microwave	475.29	67.90
		For Stainless Steel, Add	*56.02*	
11 30 13 13-0035	EA	1.7 CF Over-The Range Microwave	492.76	67.90
		For Stainless Steel, Add	*58.64*	
11 30 13 13-0036	EA	1.8 CF Over-The Range Microwave	623.91	67.90
		For Stainless Steel, Add	*78.31*	
11 30 13 13-0037	EA	2.0 CF Over-The Range Microwave	500.27	67.90
		For Stainless Steel, Add	*59.76*	
11 30 13 13-0038		Trash Compactors *(11 30 13 13)*		
11 30 13 13-0039	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	946.41	67.91
		For Stainless Steel, Add	*145.91*	
11 30 13 13-0040		Refrigerators *(11 30 13 13)*		
11 30 13 13-0041		Top Freezer Refrigerators *(11 30 13 13-0040)*		
11 30 13 13-0042	EA	Up To 10 CF Top Freezer Refrigerator	467.58	33.95
		For Stainless Steel, Add	*59.95*	
11 30 13 13-0043	EA	>10 To 12 CF Top Freezer Refrigerator	566.26	33.95
		For Stainless Steel, Add	*74.75*	
11 30 13 13-0044	EA	>12 To 14 CF Top Freezer Refrigerator	629.95	33.95
		For Stainless Steel, Add	*84.31*	
11 30 13 13-0045	EA	>14 To 16 CF Top Freezer Refrigerator	667.42	33.95
		For Stainless Steel, Add	*89.93*	
11 30 13 13-0046	EA	>16 To 18 CF Top Freezer Refrigerator	767.34	33.95
		For Stainless Steel, Add	*104.91*	
11 30 13 13-0047	EA	>18 To 20 CF Top Freezer Refrigerator	853.53	33.95
		For Stainless Steel, Add	*117.84*	
11 30 13 13-0048	EA	>20 To 22 CF Top Freezer Refrigerator	917.22	33.95
		For Stainless Steel, Add	*127.40*	
11 30 13 13-0049		Side-By-Side Refrigerators *(11 30 13 13-0040)*		
11 30 13 13-0050	EA	Up To 22 CF Side-By-Side Refrigerator	942.06	33.95
		For Stainless Steel, Add	*131.12*	
11 30 13 13-0051	EA	>22 To 24 CF Side-By-Side Refrigerator	1,167.02	33.95
		For Stainless Steel, Add	*164.87*	
11 30 13 13-0052	EA	>24 To 26 CF Side-By-Side Refrigerator	1,316.90	33.95
		For Stainless Steel, Add	*187.35*	
11 30 13 13-0053		Other Refrigerators *(11 30 13 13-0040)*		
11 30 13 13-0054	EA	1.7 CF Dormitory Sized Refrigerator	156.48	16.97
		For Stainless Steel, Add	*18.38*	
11 30 13 13-0055	EA	4.4 CF Dormitory Sized Refrigerator	212.68	16.97
		For Stainless Steel, Add	*26.81*	
11 30 13 13-0056		Freezers *(11 30 13 13)*		
11 30 13 13-0057		Upright Freezers *(11 30 13 13-0056)*		
11 30 13 13-0058	EA	Up To 10 CF Upright Freezer	441.36	33.95
		For Stainless Steel, Add	*56.02*	
11 30 13 13-0059	EA	>10 To 12 CF Upright Freezer	566.26	33.95
		For Stainless Steel, Add	*74.75*	
11 30 13 13-0060	EA	>12 To 14 CF Upright Freezer	603.73	33.95
		For Stainless Steel, Add	*80.37*	
11 30 13 13-0061	EA	>14 To 16 CF Upright Freezer	691.16	33.95
		For Stainless Steel, Add	*93.49*	
11 30 13 13-0062	EA	>16 To 18 CF Upright Freezer	792.32	33.95
		For Stainless Steel, Add	*108.66*	
11 30 13 13-0063	EA	>18 To 20 CF Upright Freezer	842.29	33.95
		For Stainless Steel, Add	*116.16*	
11 30 13 13-0064	EA	>20 To 22 CF Upright Freezer	879.75	33.95
		For Stainless Steel, Add	*121.78*	
11 30 13 13-0065		Chest Freezers *(11 30 13 13-0056)*		
11 30 13 13-0066	EA	Up To 8 CF Chest Freezer	355.17	33.95
		For Stainless Steel, Add	*43.09*	
11 30 13 13-0067	EA	>8 To 10 CF Chest Freezer	442.60	33.95
		For Stainless Steel, Add	*56.20*	
11 30 13 13-0068	EA	>10 To 12 CF Chest Freezer	473.83	33.95
		For Stainless Steel, Add	*60.89*	
11 30 13 13-0069	EA	>12 To 14 CF Chest Freezer	530.03	33.95
		For Stainless Steel, Add	*69.32*	
11 30 13 13-0070	EA	>14 To 16 CF Chest Freezer	566.26	33.95
		For Stainless Steel, Add	*74.75*	
11 30 13 13-0071	EA	>16 To 18 CF Chest Freezer	691.16	33.95
		For Stainless Steel, Add	*93.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0072	EA	>18 To 20 CF Chest Freezer	853.53	33.95
		For Stainless Steel, Add	*117.84*	
11 30 13 13-0073	EA	>20 To 22 CF Chest Freezer	879.75	33.95
		For Stainless Steel, Add	*121.78*	
11 30 13 13-0074		Automatic Ice Makers *(11 30 13 13)*		
11 30 13 13-0075	EA	15" Wide, 50 LB Per Day, Automatic Ice Maker	1,632.11	67.91
11 30 13 13-0076	EA	18" Wide, 50 LB Per Day, Automatic Ice Maker	1,819.46	67.91
11 30 13 13-0077		Built-In Dishwashers *(11 30 13 13)*		
11 30 13 13-0078	EA	18" Built-In Dishwasher	797.77	67.91
		For Stainless Steel, Add	*99.29*	
11 30 13 13-0079	EA	24" Built-In Dishwasher	535.48	67.91
		For Stainless Steel, Add	*59.95*	
11 30 13 13-0080		Disposals *(11 30 13 13)*		
11 30 13 13-0081	EA	1/3 HP Insulated Garbage Disposal (GE GFC320V)	188.04	50.92
11 30 13 13-0082	EA	1/2 HP Insulated Garbage Disposal (GE GFC520V)	213.02	50.92
11 30 13 13-0083	EA	3/4 HP Insulated Garbage Disposal (GE GFC720V)	275.47	50.92
11 30 13 13-0084	EA	1 HP Insulated Garbage Disposal (GE GFC1020V)	337.92	50.92
11 30 13 13-0085		Removal And Reinstallation Of Kitchen Equipment *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0086	EA	Removal And Reinstallation Of Garbage Disposal	101.86	
11 30 13 13-0087	EA	Removal And Reinstallation Of Stove/Range	203.71	
11 30 13 13-0088	EA	Removal And Reinstallation Of Dishwasher	217.29	
11 30 13 13-0089	EA	Removal And Reinstallation Of Range Hood	101.86	
11 30 13 13-0090	EA	Removal And Reinstallation Of Washer And Dryer	169.75	
11 30 13 13-0091		Appliance Repair *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0092	EA	8" Burner Replacement	23.95	
11 30 13 13-0093	EA	4" Burner Element Replacement	41.56	
11 30 13 13-0094	EA	8" Burner Element Replacement	47.87	
11 30 13 13-0095	EA	Burner Manifold Replacement	165.58	
11 30 13 13-0096	EA	Burner Switch Replacement	66.20	
11 30 13 13-0097	EA	Burner Tube, 5/8" x 4' Replacement	31.71	
11 30 13 13-0098	EA	Oven Control Replacement	78.95	
11 30 13 13-0099	EA	Oven Door Gasket Replacement	32.58	
11 30 13 13-0100	EA	Oven Element Replacement	73.95	
11 30 13 13-0101	EA	Oven Igniter Replacement	53.17	
11 30 13 13-0102	EA	Oven Knobs Replacement	40.39	
11 30 13 13-0103		Accessories *(11 30 13 13)*		
11 30 13 13-0104	SF	Colored Metal Range Splash Plate	12.66	2.72
11 30 13 13-0105	SF	Stainless Steel Range Splash Plate	18.48	2.72
11 30 13 13-0106		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0107	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	869.73	170.41
11 30 13 13-0108	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,023.16	170.41
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	613.94	67.91
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	976.15	67.91
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,288.40	67.91
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	475.31	67.91
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	601.45	67.91
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	738.84	67.91
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	838.76	67.91
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	563.98	67.91
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	688.88	67.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	813.64	67.91
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	926.19	67.91

11 30 33 Retractable Stairs *(11 30)*

11 30 33 00-0001 Disappearing Folding Access Stairs *(11 30 33)*

11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	665.25	185.35
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	679.41	185.35
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	679.41	185.35
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	693.22	185.35

11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	794.52	185.35
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	823.15	185.35
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	811.37	185.35
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	838.73	185.35
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	827.73	185.35
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	875.01	185.35

11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	656.01	185.35
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	682.56	185.35
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	663.40	185.35
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	689.94	185.35
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	837.74	185.35

11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	621.29	185.35
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	647.89	185.35

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,675.84	462.83
		For Gas Unit, Add	*308.81*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,339.96	323.99
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,158.34	277.71
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	634.14	277.93
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,378.34	185.29
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	82.65	13.58
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	72.78	13.58

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,143.61	509.12
		For Gas Unit, Add	*369.72*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,875.37	416.55
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	819.62	157.49
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,604.25	208.45
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	101.82	13.58
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	82.40	13.58

11 32 13 00-0016 54" Compact Kitchen *(11 32 13)*

11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,294.02	647.97
		For Gas Unit, Add	*514.51*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,023.62	92.64
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,784.15	231.61
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	119.66	13.58
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.98	13.58

11 32 13 00-0022 60" Compact Kitchen *(11 32 13)*

11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,505.33	694.25
		For Gas Unit, Add	*536.95*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,205.31	231.61
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	127.99	13.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.98	13.58
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,835.36	740.54
		For Gas Unit, Add	*577.20*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,476.06	277.93
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	150.48	16.97
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.05	16.97

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,119.83	277.80
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,140.69	277.80
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,298.68	277.80
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,054.13	277.80

11 41 13 00-0006 Reach-In Refrigerators *(11 41 13)*

11 41 13 00-0007	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,589.34	130.69
11 41 13 00-0008	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,422.12	164.83
11 41 13 00-0009	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	5,899.31	182.10
11 41 13 00-0010	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,327.40	130.69
11 41 13 00-0011	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,327.26	164.83
11 41 13 00-0012	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	5,743.04	182.10
11 41 13 00-0013	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	4,305.55	130.69
11 41 13 00-0014	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	5,821.41	164.83
11 41 13 00-0015	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	4,501.63	130.69
11 41 13 00-0016	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	6,478.64	164.83

11 41 13 00-0017 Reach-In Freezers *(11 41 13)*

11 41 13 00-0018	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	4,033.49	130.85
11 41 13 00-0019	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	5,346.39	164.60

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall heights include 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	7,403.85	1,120.03
		For Refrigerated Boxes Without Floor, Deduct	*-1,477.55*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,822.82	1,260.04
		For Refrigerated Boxes Without Floor, Deduct	*-1,785.70*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,364.09	1,400.04
		For Refrigerated Boxes Without Floor, Deduct	*-1,874.34*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,619.53	1,680.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,095.17*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,257.10	1,960.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,411.27*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,572.98	2,240.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,646.43*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,866.25	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-2,876.54*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,726.12	1,400.04
		For Refrigerated Boxes Without Floor, Deduct	*-1,964.85*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,646.90	1,540.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,148.52*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,024.06	1,820.05
		For Refrigerated Boxes Without Floor, Deduct	*-2,399.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,811.50	2,100.05
		For Refrigerated Boxes Without Floor, Deduct	*-2,752.86*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,209.28	2,380.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,009.25*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,650.27	2,660.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,275.72*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,046.45	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,532.11*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,483.62	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,797.26*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,886.68	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,054.97*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,048.51	1,680.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,452.41*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,544.88	1,960.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,733.22*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,103.88	2,240.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,029.15*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,579.76	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,304.92*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,159.00	2,800.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,607.22*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,636.33	3,080.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,881.66*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,219.94	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,185.56*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,688.91	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-4,459.73*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,272.14	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-4,762.03*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,751.33	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-5,037.80*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,519.98	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,340.37*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,167.58	5,040.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,614.54*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,942.16	2,100.05
		For Refrigerated Boxes Without Floor, Deduct	*-3,035.52*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,658.43	2,380.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,371.54*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,242.75	2,660.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,673.84*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,951.05	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,008.26*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,543.22	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,312.16*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,252.03	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,646.31*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,830.57	3,780.10
		For Refrigerated Boxes Without Floor, Deduct	*-4,948.62*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,551.03	4,060.11
		For Refrigerated Boxes Without Floor, Deduct	*-5,284.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,230.24	4,410.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,586.93*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,127.29	4,830.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,921.35*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,901.19	5,250.13
		For Refrigerated Boxes Without Floor, Deduct	*-6,225.25*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,791.77	5,670.15
		For Refrigerated Boxes Without Floor, Deduct	*-6,559.41*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,555.16	6,090.16
		For Refrigerated Boxes Without Floor, Deduct	*-6,861.71*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,628.81	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-4,067.18*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,532.92	2,800.07
		For Refrigerated Boxes Without Floor, Deduct	*-4,450.70*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,589.92	3,080.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,870.06*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,493.08	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-5,253.84*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,536.41	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-5,671.60*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,451.93	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,056.98*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,499.10	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-6,474.74*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,592.62	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-6,858.53*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,820.94	5,040.13
		For Refrigerated Boxes Without Floor, Deduct	*-7,277.88*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,937.44	5,460.14
		For Refrigerated Boxes Without Floor, Deduct	*-7,661.40*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,153.72	5,880.16
		For Refrigerated Boxes Without Floor, Deduct	*-8,079.42*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,258.36	6,230.17
		For Refrigerated Boxes Without Floor, Deduct	*-8,464.54*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,519.25	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,900.31*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,710.19	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,353.90*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,830.93	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-5,791.04*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,020.98	3,780.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,246.22*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,145.93	4,060.11
		For Refrigerated Boxes Without Floor, Deduct	*-6,683.35*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,430.28	4,410.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,136.94*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,744.56	4,830.13
		For Refrigerated Boxes Without Floor, Deduct	*-7,575.67*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,117.23	5,250.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,029.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,419.72	5,670.15
		For Refrigerated Boxes Without Floor, Deduct	*-8,466.39*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,794.62	6,090.16
		For Refrigerated Boxes Without Floor, Deduct	*-8,921.58*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,503.85	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-5,756.53*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,748.89	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,224.72*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,109.24	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,721.31*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,352.82	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-7,188.17*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,902.84	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,686.08*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,321.20	5,040.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,152.94*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,889.96	5,460.14
		For Refrigerated Boxes Without Floor, Deduct	*-8,649.53*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,306.89	5,880.16
		For Refrigerated Boxes Without Floor, Deduct	*-9,117.72*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,857.43	6,300.17
		For Refrigerated Boxes Without Floor, Deduct	*-9,614.30*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,455.32	6,813.51
		For Refrigerated Boxes Without Floor, Deduct	*-10,081.16*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	7,788.16	1,120.03
		For Refrigerated Boxes Without Floor, Deduct	*-1,573.63*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,971.45	1,260.04
		For Refrigerated Boxes Without Floor, Deduct	*-1,822.85*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,852.45	1,400.04
		For Refrigerated Boxes Without Floor, Deduct	*-1,996.43*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,180.08	1,680.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,235.31*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,849.50	1,960.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,559.37*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,237.58	2,240.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,812.58*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,562.70	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,050.65*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,254.82	1,400.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,097.03*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,207.45	1,540.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,288.65*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,656.81	1,820.05
		For Refrigerated Boxes Without Floor, Deduct	*-2,557.25*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,476.10	2,100.05
		For Refrigerated Boxes Without Floor, Deduct	*-2,919.01*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,946.06	2,380.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,193.44*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,418.91	2,660.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,467.88*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,887.27	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,742.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,356.29	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,015.43*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,831.55	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,291.19*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,640.91	1,680.04
		For Refrigerated Boxes Without Floor, Deduct	*-2,600.51*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,209.47	1,960.06
		For Refrigerated Boxes Without Floor, Deduct	*-2,899.37*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,800.32	2,240.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,203.26*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,348.39	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,497.08*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,959.48	2,800.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,807.34*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,509.01	3,080.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,099.83*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,124.47	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,411.69*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,665.63	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-4,703.91*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,280.71	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-5,014.17*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,832.09	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-5,307.99*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,632.59	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,618.52*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,352.39	4,970.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,910.74*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,678.95	2,100.05
		For Refrigerated Boxes Without Floor, Deduct	*-3,219.72*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,427.06	2,380.06
		For Refrigerated Boxes Without Floor, Deduct	*-3,563.69*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,083.58	2,660.07
		For Refrigerated Boxes Without Floor, Deduct	*-3,884.05*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,823.72	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,226.43*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,488.09	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,548.38*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,228.75	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-4,890.49*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,879.48	3,780.10
		For Refrigerated Boxes Without Floor, Deduct	*-5,210.84*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,631.79	4,060.11
		For Refrigerated Boxes Without Floor, Deduct	*-5,554.82*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,383.19	4,410.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,875.17*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,312.09	4,830.13
		For Refrigerated Boxes Without Floor, Deduct	*-6,217.55*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,158.18	5,250.13
		For Refrigerated Boxes Without Floor, Deduct	*-6,539.50*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,080.61	5,670.15
		For Refrigerated Boxes Without Floor, Deduct	*-6,881.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,916.19	6,090.16
		For Refrigerated Boxes Without Floor, Deduct	*-7,201.97*	
11 41 23 00-0122		**Walk-In Refrigerated Unit, 8'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,429.30	2,520.07
		For Refrigerated Boxes Without Floor, Deduct	*-4,267.30*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,405.60	2,800.07
		For Refrigerated Boxes Without Floor, Deduct	*-4,668.87*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,494.44	3,080.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,096.19*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,469.80	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-5,498.02*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,544.98	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-5,923.74*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,532.69	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,327.17*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,611.71	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-6,752.89*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,777.42	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,154.73*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,037.60	5,040.13
		For Refrigerated Boxes Without Floor, Deduct	*-7,582.04*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,226.28	5,460.14
		For Refrigerated Boxes Without Floor, Deduct	*-7,983.61*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,474.41	5,880.16
		For Refrigerated Boxes Without Floor, Deduct	*-8,409.60*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,651.25	6,300.17
		For Refrigerated Boxes Without Floor, Deduct	*-8,812.76*	
11 41 23 00-0135		**Walk-In Refrigerated Unit, 8'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,464.12	2,940.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,136.53*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,686.91	3,220.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,598.08*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,879.84	3,500.09
		For Refrigerated Boxes Without Floor, Deduct	*-6,053.26*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,101.74	3,780.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,516.41*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,298.88	4,060.11
		For Refrigerated Boxes Without Floor, Deduct	*-6,971.59*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,615.08	4,410.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,433.14*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,001.55	4,830.13
		For Refrigerated Boxes Without Floor, Deduct	*-7,889.92*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,406.07	5,250.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,351.47*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,780.76	5,670.15
		For Refrigerated Boxes Without Floor, Deduct	*-8,806.65*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,187.51	6,090.16
		For Refrigerated Boxes Without Floor, Deduct	*-9,269.80*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,512.41	3,360.09
		For Refrigerated Boxes Without Floor, Deduct	*-6,008.67*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,829.65	3,640.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,494.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,221.85	3,920.10
		For Refrigerated Boxes Without Floor, Deduct	*-6,999.46*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,537.62	4,200.11
		For Refrigerated Boxes Without Floor, Deduct	*-7,484.37*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,119.49	4,620.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,990.24*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,610.05	5,040.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,475.15*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,210.65	5,460.14
		For Refrigerated Boxes Without Floor, Deduct	*-8,979.70*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,699.78	5,880.16
		For Refrigerated Boxes Without Floor, Deduct	*-9,465.94*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,282.16	6,300.17
		For Refrigerated Boxes Without Floor, Deduct	*-9,970.49*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,952.25	6,813.51
		For Refrigerated Boxes Without Floor, Deduct	*-10,455.40*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume	0.45
11 41 23 00-0158	SF	Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume	0.84
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume	1.17
11 41 23 00-0160	SF	Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume	8.28
11 41 23 00-0161	SF	Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume	10.83
11 41 23 00-0162	SF	Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume	1.34
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume	3.28
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume	4.25
11 41 23 00-0165	SF	Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume	4.46
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.98
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.50
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.48
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	5.68
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	18.42

11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,266.37	127.81
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,403.50	149.11
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,768.43	170.41
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,991.50	191.72
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,296.83	213.01
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,716.66	255.62
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,014.98	298.22
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,394.50	340.82

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,772.19	170.41
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,991.50	191.72
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,330.67	213.01
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,676.37	255.62
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,014.98	298.22
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,347.76	340.82

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,422.16	127.81
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,672.10	149.11
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,080.54	170.41
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,218.73	191.72
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,459.60	213.01
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,948.73	255.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,250.81	298.22
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,631.94	340.82
11 41 23 00-0199		208/230 Volt, 3 Phase *(11 41 23 00-0189)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,060.66	170.41
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,226.79	191.72
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,501.50	213.01
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,908.98	255.62
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,263.17	298.22
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,582.52	340.82
11 41 23 00-0206		Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		208/230 Volt, 1 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	255.63	127.81
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,668.87	149.11
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,806.03	170.41
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,003.31	191.72
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,270.50	213.01
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,864.39	255.62
11 41 23 00-0214		208/230 Volt, 3 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,809.79	170.41
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,003.31	191.72
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,305.42	213.01
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,825.71	255.62
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,838.49	127.81
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,893.42	149.11
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,058.51	170.41
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,319.73	191.72
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,624.52	213.01
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,090.02	255.62
11 41 23 00-0227		208/230 Volt, 3 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,155.75	170.41
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,367.54	191.72
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,663.20	213.01
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,050.80	255.62
11 41 23 00-0232		Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		208/230 Volt, 1 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,931.20	170.41
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,677.33	340.82
11 41 23 00-0236		208/230 Volt, 3 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,933.35	170.41
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,042.46	213.01
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,039.79	255.62
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,589.77	340.82

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0241		Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		208/230 Volt, 1 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,201.95	170.41
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,846.81	340.82
11 41 23 00-0245		208/230 Volt, 3 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,207.32	170.41
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,794.27	213.01
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,426.57	255.62
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,111.39	340.82
11 41 23 00-0250		Low Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		208/230 Volt, 1 Phase *(11 41 23 00-0250)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,980.99	149.11
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,192.28	170.41
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,740.35	191.72
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,327.18	213.01
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,461.49	255.62
11 41 23 00-0257		208/230 Volt, 3 Phase *(11 41 23 00-0250)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,965.95	149.11
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,190.13	170.41
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,719.94	191.72
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,291.72	213.01
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,272.93	255.62
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,332.46	298.22
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,780.47	383.42
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,143.34	447.33
11 41 23 00-0266		Low Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		208/230 Volt, 1 Phase *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,272.69	149.11
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,440.46	170.41
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,998.75	191.72
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,589.33	213.01
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,741.37	255.62
11 41 23 00-0273		208/230 Volt, 3 Phase *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,225.41	149.11
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,442.61	170.41
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,990.69	191.72
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,549.58	213.01
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,571.08	255.62
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,071.65	298.22
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,566.93	383.42
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,992.12	447.33
11 41 23 00-0282		Walk-In Refrigerated Boxes Accessories *(11 41 23)*		
		See CSI section 08 71 00 00-0000 for additional door accessories.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	611.30	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	811.96	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	811.96	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	904.40	
11 41 23 00-0288	EA	Heated Air Vent, Kason	347.03	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC)	777.00	
11 41 23 00-0290	EA	Interior Ramps, For 36" Or 42" Wide Doors	1,101.91	
11 41 23 00-0291	EA	Interior Ramps, For 48" Wide Doors	1,202.76	
11 41 23 00-0292	EA	Interior Ramps, For 60" Wide Doors	1,319.55	
11 41 23 00-0293	EA	Exterior Ramps, For 36" Or 42" Wide Doors	458.55	
11 41 23 00-0294	EA	Exterior Ramps, For 48" Wide Doors	823.76	
11 41 23 00-0295	EA	Exterior Ramps, For 60" Wide Doors	823.76	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	115.65	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	70.00	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	1,078.57	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	1,132.71	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	547.74	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	315.24	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	357.71	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	357.71	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler)	625.24	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer)	765.38	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	1,233.55	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	1,301.50	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	1,337.59	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	58.39	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	47.77	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	147.57	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	79.62	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	193.19	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	142.23	
11 41 23 00-0315	EA	4" Screed Door	391.62	
11 41 23 00-0316	EA	Doors Cut For Tile	468.06	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	468.06	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	1,029.67	
11 41 23 00-0319	EA	57-1/2" Door Section	309.87	
11 41 23 00-0320	EA	3 Way (Interior And Exterior) Light Switches	256.85	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	130.77	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	232.46	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	291.91	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	31.42	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	40.18	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	57.43	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	90.60	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	17.29	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	7.96	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	18.58	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	18.30	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	28.66	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	45.44	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	19.87	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	5.84	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	24.68	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	51.16	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	61.62	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	246.49	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	222.07	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	700.87	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	81.93	
11 41 23 00-0343	LF	Extra Capillary Tubing	9.54	
11 41 23 00-0344		**Partition Wall For Walk-In Refrigerated Boxes** *(11 41 23 00-0282)* Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,509.66	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*120.82*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,733.02	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*131.75*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,812.00	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*135.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,039.61	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*146.61*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,978.46	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*143.32*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,200.76	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*154.20*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,269.13	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*157.39*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,584.86	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*172.94*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,447.26	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*165.83*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,670.62	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*176.76*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,754.93	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*180.75*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,979.35	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*191.73*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	4,580.78	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*221.57*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,736.85	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*132.18*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,926.24	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*141.41*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,019.02	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*145.82*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,271.05	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*158.19*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,197.15	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*154.26*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,448.13	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*166.57*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,541.98	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*171.03*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,792.94	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*183.35*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,719.05	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*179.42*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,970.01	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*191.73*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,063.87	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*196.19*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,314.83	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*208.51*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,240.93	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*204.58*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	1,054.22
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	1,151.89
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	1,161.45
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	1,284.60
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	1,409.87
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	1,499.05
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	1,504.36
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	1,750.66
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	1,433.23
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	1,775.08
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	1,895.05
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	1,935.39

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	2,182.75	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	2,422.69	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	2,467.27	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	2,631.83	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	1,131.72	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,192.23	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,603.09	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,374.84	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	1,526.65	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,597.78	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,603.09	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,908.85	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	396.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	418.64	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	465.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	491.67	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	534.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	456.86	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	468.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	517.15	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	540.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	617.15	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	497.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	504.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	573.84	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	578.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	665.34	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	341.78	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	359.19	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	393.58	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	402.50	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	458.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	376.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	403.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	426.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	433.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	509.92	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	412.69	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	429.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	460.25	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	477.66	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	555.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,715.20	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,913.81	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,951.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,990.02	
		For Cantilever Shelving, Add	*402.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,407.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,800.12	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,911.79	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,117.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,202.01	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,692.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,945.23	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,123.78	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,329.08	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,414.01	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,065.37	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	468.32	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	504.84	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	546.66	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	585.30	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	634.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	552.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	566.84	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	624.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	654.73	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	746.87	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	601.87	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	621.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	686.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	701.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	804.62	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	401.43	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	422.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	463.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	473.82	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	541.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	452.82	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	484.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	550.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	546.44	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	610.98	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	496.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	516.29	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	554.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	574.46	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	670.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,093.68	
		For Cantilever Shelving, Add	*472.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,340.79	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,387.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,433.71	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,952.99	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,198.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,337.10	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,592.55	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,697.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,308.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,378.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,600.91	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,856.37	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,961.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,773.22	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	1,730.40	72.35
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,283.21	95.52
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,620.62	109.50
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	1,677.16	69.86

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	160.86	5.81

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	469.43	17.73
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	543.95	20.04
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	646.73	24.00
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	351.72	13.11

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	1,623.36	59.82

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,106.84	40.89
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,483.21	54.65

11 41 33 Foodservice Shelving *(11 41)*

11 41 33 00-0001 Shelving/Racks *(11 41 33)*

11 41 33 00-0002 Chrome Shelving Units *(11 41 33 00-0001)*

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	193.72	27.35
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	203.14	27.59
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	214.75	27.81
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	222.01	28.04
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	235.77	28.26
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	247.42	28.49
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	256.84	28.72
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	277.85	29.17
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	209.69	27.59
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	216.94	27.81
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	224.20	28.04
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	244.55	28.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	258.34	28.49
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	276.50	28.72
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	283.72	28.94
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	309.17	29.39
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	219.13	27.81
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	235.09	28.04
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	246.75	28.26
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	260.49	28.49
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	269.96	28.72
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	292.50	28.94
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	304.10	29.17
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	333.90	29.62
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	239.52	28.04
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	248.94	28.26
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	256.15	28.49
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	274.35	28.72
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	285.96	28.94
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	308.49	29.17
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	324.44	29.39
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	363.03	29.84
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	310.17	28.26
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	345.77	28.49
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	368.37	28.72
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	419.35	28.94
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	341.28	29.17
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	374.79	29.39
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	416.95	29.62
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	485.32	30.07
11 41 33 00-0044		**63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	195.88	27.35
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	205.30	27.59
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	216.89	27.81
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	224.16	28.04
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	237.92	28.26
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	249.56	28.49
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	258.99	28.72
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	279.99	29.17
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	211.83	27.59
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	219.09	27.81
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	226.36	28.04
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	246.69	28.26
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	260.49	28.49
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	278.64	28.72
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	285.87	28.94
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	290.07	29.39
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	221.28	27.81
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	237.24	28.04
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	248.89	28.26
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	262.63	28.49
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	272.11	28.72
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	294.64	28.94
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	306.25	29.17
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	336.05	29.62
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	241.67	28.04
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	251.08	28.26
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	258.30	28.49
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	276.50	28.72
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	288.11	28.94
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	310.63	29.17
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	326.58	29.39
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	365.18	29.84
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	312.31	28.26
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	347.92	28.49
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	370.51	28.72
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	421.49	28.94
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	343.42	29.17
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	376.93	29.39
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	419.13	29.62
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	487.46	30.07
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	197.00	27.35
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	206.42	27.59
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	218.01	27.81
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	225.28	28.04
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	239.04	28.26
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	250.68	28.49
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	260.11	28.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	281.11	29.17
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	212.96	27.59
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	220.21	27.81
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	227.48	28.04
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	247.82	28.26
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	261.61	28.49
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	279.76	28.72
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	286.99	28.94
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	312.44	29.39
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	222.40	27.81
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	238.36	28.04
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	250.01	28.26
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	263.76	28.49
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	273.23	28.72
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	295.76	28.94
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	307.37	29.17
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	337.17	29.62
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	242.79	28.04
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	252.20	28.26
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	259.42	28.49
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	277.62	28.72
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	289.23	28.94
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	311.76	29.17
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	327.70	29.39
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	366.30	29.84
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	313.43	28.26
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	349.04	28.49
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	371.64	28.72
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	422.61	28.94
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	344.54	29.17
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	378.05	29.39
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	420.24	29.62
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	488.58	30.07
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	200.26	27.35
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	209.69	27.59
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	221.28	27.81
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	228.55	28.04
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	242.31	28.26
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	253.95	28.49
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	263.38	28.72
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	284.39	29.17
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	216.22	27.59
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	223.48	27.81
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	230.75	28.04
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	251.08	28.26
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	264.88	28.49
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	283.04	28.72
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	290.26	28.94
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	315.70	29.39
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	225.68	27.81
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	241.63	28.04
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	253.28	28.26
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	267.03	28.49
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	276.50	28.72
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	299.03	28.94
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	310.63	29.17
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	340.44	29.62
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	246.07	28.04
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	255.48	28.26
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	262.69	28.49
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	280.88	28.72
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	292.50	28.94
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	315.02	29.17
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	330.98	29.39
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	369.57	29.84
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	316.70	28.26
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	352.31	28.49
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	374.90	28.72
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.88	28.94
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	347.81	29.17
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	381.32	29.39
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	423.52	29.62
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	491.85	30.07
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	209.00	27.35
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	218.42	27.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	230.01	27.81
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	237.28	28.04
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	251.04	28.26
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	262.69	28.49
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	272.11	28.72
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	293.13	29.17
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	224.96	27.59
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	232.21	27.81
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	239.48	28.04
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	259.82	28.26
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	273.62	28.49
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	291.78	28.72
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	298.99	28.94
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	324.44	29.39
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	234.41	27.81
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	250.36	28.04
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	262.02	28.26
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	275.76	28.49
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	285.23	28.72
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	307.77	28.94
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	319.37	29.17
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	349.17	29.62
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	254.80	28.04
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	264.21	28.26
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	271.42	28.49
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	289.62	28.72
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	301.23	28.94
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	323.76	29.17
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	339.70	29.39
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	378.30	29.84
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	325.43	28.26
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	361.04	28.49
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	383.64	28.72
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	434.61	28.94
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	356.54	29.17
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	390.05	29.39
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	432.26	29.62
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	500.58	30.07
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	241.25	27.35
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	252.86	27.59
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	267.19	27.81
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	276.10	28.04
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	293.13	28.26
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	307.52	28.49
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	319.13	28.72
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	345.06	29.17
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	261.03	27.59
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	269.93	27.81
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	278.84	28.04
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	304.10	28.26
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	321.18	28.49
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	343.71	28.72
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	352.55	28.94
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	384.03	29.39
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	272.68	27.81
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	292.45	28.04
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	306.85	28.26
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	323.86	28.49
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	335.53	28.72
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	363.53	28.94
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	377.87	29.17
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	414.78	29.62
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	298.00	28.04
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	309.59	28.26
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	318.44	28.49
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	341.02	28.72
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	355.36	28.94
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	383.35	29.17
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	403.12	29.39
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	451.02	29.84
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	386.13	28.26
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	430.47	28.49
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	458.53	28.72
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	522.09	28.94
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	424.33	29.17
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	466.05	29.39
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	518.63	29.62
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	603.70	30.07

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	215.53	27.35
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	225.56	27.59
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	237.95	27.81
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	247.97	28.04
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	262.72	28.26
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	275.06	28.49
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	287.47	28.72
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	307.50	29.17
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	232.57	27.59
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	240.30	27.81
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	254.98	28.04
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	272.06	28.26
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	286.78	28.49
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	306.15	28.72
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	320.90	28.94
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	343.34	29.39
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	242.62	27.81
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	262.04	28.04
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	274.39	28.26
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	289.12	28.49
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	299.15	28.72
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	325.57	28.94
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	337.96	29.17
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	374.39	29.62
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	266.71	28.04
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	276.73	28.26
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	284.45	28.49
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	303.82	28.72
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	325.57	28.94
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	349.63	29.17
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	369.04	29.39
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	412.54	29.84
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	220.20	27.35
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	230.23	27.59
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	242.62	27.81
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	252.64	28.04
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	267.39	28.26
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	279.73	28.49
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	292.14	28.72
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	312.17	29.17
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	237.24	27.59
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	244.97	27.81
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	259.65	28.04
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	276.73	28.26
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	291.45	28.49
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	310.82	28.72
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	325.57	28.94
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	347.98	29.39
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	247.29	27.81
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	266.71	28.04
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	279.06	28.26
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	293.79	28.49
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	303.82	28.72
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	330.24	28.94
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	342.63	29.17
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	379.06	29.62
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	271.38	28.04
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	281.40	28.26
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	289.12	28.49
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	308.49	28.72
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	330.24	28.94
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	354.30	29.17
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	373.71	29.39
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	417.21	29.84
11 41 33 00-0316		74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	224.87	27.35
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	234.90	27.59
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	247.29	27.81
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	257.31	28.04
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	272.06	28.26
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	284.40	28.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	296.81	28.72
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	316.84	29.17
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	241.91	27.59
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	249.63	27.81
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	264.32	28.04
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	281.40	28.26
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	296.12	28.49
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	315.49	28.72
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	330.24	28.94
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	352.65	29.39
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	251.96	27.81
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	271.38	28.04
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	283.73	28.26
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	298.46	28.49
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	308.49	28.72
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	334.90	28.94
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	347.30	29.17
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	383.73	29.62
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	276.05	28.04
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	286.07	28.26
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	293.79	28.49
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	313.16	28.72
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	334.90	28.94
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	358.97	29.17
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	378.38	29.39
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	421.88	29.84
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	236.59	27.35
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	246.62	27.59
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	259.02	27.81
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	269.04	28.04
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	283.78	28.26
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	296.12	28.49
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	308.54	28.72
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	328.56	29.17
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	253.63	27.59
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	261.36	27.81
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	276.05	28.04
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	293.12	28.26
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	307.85	28.49
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	327.21	28.72
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	341.96	28.94
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	364.37	29.39
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	263.69	27.81
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	283.10	28.04
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	295.45	28.26
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	310.19	28.49
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	320.22	28.72
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	346.63	28.94
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	359.02	29.17
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	395.46	29.62
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	287.77	28.04
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	297.79	28.26
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	305.52	28.49
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	324.89	28.72
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	346.63	28.94
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	370.69	29.17
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	390.11	29.39
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	433.60	29.84
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	388.37	28.04
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	424.83	28.49
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	473.00	28.94
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	502.42	29.39
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	422.46	28.49
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	484.68	28.94
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	532.83	29.39
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	604.39	29.84
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	393.04	28.04
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	429.51	28.49
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	477.67	28.94
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.09	29.39
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	427.13	28.49
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.35	28.94

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	537.50	29.39
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	609.06	29.84
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	397.71	28.04
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	434.18	28.49
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	482.35	28.94
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	511.76	29.39
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	431.80	28.49
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	494.02	28.94
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	542.17	29.39
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	613.74	29.84
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	409.43	28.04
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	445.90	28.49
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	494.06	28.94
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	523.49	29.39
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	443.52	28.49
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	505.74	28.94
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	553.89	29.39
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	625.45	29.84
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	666.81	28.04
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	778.15	28.49
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	918.91	28.94
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,066.32	29.39
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	787.49	28.49
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	915.24	28.94
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,082.71	29.39
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,304.00	29.84
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	690.21	28.04
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	801.55	28.49
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	945.64	28.94
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,089.71	29.39
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	810.89	28.49
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	938.63	28.94
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,106.11	29.39
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,327.41	29.84
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	713.61	28.04
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	824.94	28.49
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	969.03	28.94
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,113.12	29.39
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	834.28	28.49
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	962.04	28.94
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,129.51	29.39
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,350.80	29.84
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	793.19	28.04
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	875.18	28.49
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	983.95	28.94
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,049.75	29.39
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	946.60	28.49
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,111.77	28.94
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,232.29	29.39
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,412.41	29.84
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	816.58	28.04
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	899.99	28.49
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,010.69	28.94
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,077.59	29.39
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	970.00	28.49
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,135.16	28.94

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,257.00	29.39
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,439.14	29.84
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	839.99	28.04
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	922.94	28.49
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,033.06	28.94
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,099.65	29.39
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	993.40	28.49
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,158.56	28.94
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,279.65	29.39
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,460.61	29.84
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	162.04	20.16
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	170.38	20.72
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	179.85	21.29
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	197.06	21.85
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	212.08	22.41
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	173.13	20.16
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	188.13	20.72
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	197.59	21.29
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	213.70	21.85
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	232.05	22.41
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	411.01	21.29
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	511.78	21.85
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	854.32	22.41
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	448.11	21.29
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	554.73	21.85
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	930.13	22.41
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	1,378.38	33.94
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	2,239.06	33.94

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		**Vertical Cutter Mixers** *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	8,148.33	196.23
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	9,353.99	196.23
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	11,738.12	337.51
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	13,306.89	549.44
11 42 13 00-0006		**Choppers** *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 LB	2,060.72	156.98
11 42 13 00-0008	EA	Choppers, 16 LB	3,020.98	204.08
11 42 13 00-0009	EA	Choppers, 35 LB - 40 LB	5,808.76	251.18
11 42 13 00-0010	EA	Choppers, 35 LB - 40 LB/Min, 2 HP	4,814.53	223.15
11 42 13 00-0011	EA	Choppers, 35 LB - 40 LB/Min, 3 HP	5,455.73	223.15
11 42 13 00-0012		**Floor Model Mixer** *(11 42 13)*		
11 42 13 00-0013	EA	Floor Type Mixers, 20 Quart	3,880.71	117.74
11 42 13 00-0014	EA	Floor Type Mixers, 60 Quart	9,536.92	78.49
11 42 13 00-0015	EA	Floor Type Mixers, 80 Quart	15,051.56	78.49
11 42 13 00-0016	EA	Floor Type Mixers, 140 Quart	19,077.22	125.59
11 42 13 00-0017		**Slicers** *(11 42 13)*		
11 42 13 00-0018	EA	Slicer With Table	3,247.62	113.34
11 42 13 00-0019		**Peelers** *(11 42 13)*		
11 42 13 00-0020	EA	Small Peeler	2,235.99	127.55
11 42 13 00-0021	EA	Large Peeler	2,374.09	170.09

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0022		Proof Boxes *(11 42 13)*		
11 42 13 00-0023	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	1,497.84	59.82
11 42 13 00-0024	EA	30-1/2" x 45", Stainless Steel Proof Box	2,506.50	100.25
11 42 13 00-0025	EA	30-1/2" x 45", Galvanized Proof Box	1,917.61	45.51
11 42 13 00-0026		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0027	EA	Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,548.54	57.33
11 42 13 00-0028	EA	Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,661.14	61.29
11 42 13 00-0029	EA	Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,538.02	56.86
11 42 13 00-0030	EA	Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,630.10	60.28
11 42 13 00-0031		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0032	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	2,532.43	105.98
11 42 13 00-0033	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	2,646.44	110.80
11 42 13 00-0034		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0035	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	4,210.52	164.83
11 42 13 00-0036	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	4,474.60	164.83
11 42 13 00-0037	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	5,695.63	172.68
11 42 13 00-0038	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	6,235.09	172.68
11 42 16		**Food Preparation Surfaces** *(11 42)*		
11 42 16 00-0001		Tables *(11 42 16)*		
11 42 16 00-0002		Baker's Table *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	781.06	47.25
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,532.96	92.64
11 42 16 00-0005	EA	10' Undershelf Baker's Table	1,891.43	114.32
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,028.63	122.75
11 42 16 00-0007	EA	10' Bins Baker's Table	2,984.66	180.66
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	4,686.76	283.58
11 42 16 00-0009		Preparation Table, Stainless Steel, With Undershelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	552.73	24.92
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Undershelf	597.77	29.92
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	900.36	40.67
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	581.99	26.22
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	748.04	33.72
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	642.56	29.00
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	773.43	34.93
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	156.24	7.04
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,829.70	22.33
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	995.14	26.77
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	666.04	30.11
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	1,189.51	53.73
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	964.81	43.55
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	80.08	3.61
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	117.15	5.28
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	2,338.35	93.69
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	4,652.30	186.94
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	258.24	18.88
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	323.81	35.54
11 42 23		**Food Preparation Scullery Sinks** *(11 42)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 23 00-0001		**Stainless Steel Scullery Sinks** *(11 42 23)*		
		Note: Excludes faucet. See CSI section 22 42 39 00-0074 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard	2,909.77	149.11
		For Additional Drain Board, Add	*276.07*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	4,001.92	170.41
		For Additional Drain Board, Add	*384.22*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard	5,246.84	170.41
		For Additional Drain Board, Add	*507.64*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard	7,484.58	170.41
		For Additional Drain Board, Add	*731.42*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard	4,824.44	170.41
11 42 23 00-0007	EA	Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	6,348.06	170.41
		For Additional Drain Board, Add	*618.83*	

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001		**Range** *(11 44 13)*		
11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven	3,346.96	78.49
11 44 13 00-0003	EA	Range With Fry Top	3,346.96	78.49
11 44 13 00-0004	EA	Steel Finish Fry Top	7,249.46	112.52
11 44 13 00-0005	EA	Stainless Top Only Fry Top	7,247.39	111.24
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	8,373.65	129.52
11 44 13 00-0007	EA	Gas Range, Vulcan #260L	7,533.49	115.40
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001		**Bake Oven** *(11 44 16)*		
11 44 16 00-0002	EA	Bake Oven - Single Deck	6,995.19	117.74
11 44 16 00-0003	EA	Bake Oven - Double Deck	14,403.01	156.98
11 44 16 00-0004	EA	Bake Oven - Triple Deck	21,021.59	156.98
11 44 16 00-0005	EA	Rotary Oven, Gas, Medium	46,470.10	5,101.94
11 44 16 00-0006		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0007	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	13,424.48	137.36
11 44 16 00-0008	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	21,988.62	156.98
11 44 16 00-0009	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	18,178.93	156.98
11 44 16 00-0010	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	43,780.25	196.23
11 44 16 00-0011	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	33,261.37	196.23
11 44 16 00-0012		**Electric Convection Type Oven** *(11 44 16)*		
11 44 16 00-0013	EA	40" x 45" x 57" Convection Oven	11,039.93	133.43
11 44 16 00-0014	EA	30" x 25" x 29" Half Size Electric Convection Oven	3,959.54	137.36
11 44 16 00-0015	EA	30" x 25" x 66-3/4" Half Size Electric Convection Oven	8,059.81	147.17
11 44 16 00-0016	EA	40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven	5,571.85	147.17
11 44 16 00-0017	EA	40" x 41-1/2" x 70" Single Deck Electric Convection Oven	10,524.99	156.98
11 44 16 00-0018		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0019	EA	69" x 26" x 39" Broiler Without Oven	9,416.02	125.59
11 44 16 00-0020	EA	Conveyor Broiler	8,326.89	145.76

11 44 19 Other Commercial Cooking Equipment *(11 44)*

11 44 19 00-0001		**Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep Electric Griddle	2,399.89	107.93
11 44 19 00-0003	EA	36" Wide x 24" Deep Electric Griddle	3,389.42	107.93
11 44 19 00-0004	EA	48" Wide x 24" Deep Electric Griddle	3,876.31	117.74
11 44 19 00-0005	EA	60" Wide x 24" Deep Electric Griddle	4,626.31	117.74
11 44 19 00-0006	EA	72" Wide x 24" Deep Electric Griddle	5,917.41	127.55
11 44 19 00-0007		**Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0008	EA	Single Fryer With Submerger	5,080.47	125.59
11 44 19 00-0009	EA	Double Fryer With Submerger	10,421.78	156.98
11 44 19 00-0010	EA	Fryer Battery With Filter Unit (Single 42 LB Capacity)	15,815.63	204.08
11 44 19 00-0011	EA	Fryer Battery With Filter Unit (Triple 42 LB Capacity)	37,689.64	255.09
11 44 19 00-0012	EA	50 LB Capacity, 208 Volt, Electric Fryer	3,781.26	156.98
11 44 19 00-0013	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	5,530.98	164.83
11 44 19 00-0014	EA	50 LB Capacity, 480 Volt, Electric Fryer	3,965.03	156.98
11 44 19 00-0015	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	5,714.75	164.83
11 44 19 00-0016	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	12,512.64	204.08

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 44 19 00-0017	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	12,814.20	204.08
11 44 19 00-0018			Kettles, Steam Jacketed *(11 44 19)*		
	11 44 19 00-0019	EA	5 Gallon Kettle, With Stand	5,286.44	92.31
	11 44 19 00-0020	EA	20 Gallon Kettle With Steam Jacket	8,013.09	92.31
	11 44 19 00-0021	EA	40 Gallon Kettle With Steam Jacket	8,268.29	92.31
	11 44 19 00-0022	EA	60 Gallon Kettle With Steam Jacket	9,984.29	92.31
11 44 19 00-0023			Steamers, Electric *(11 44 19)*		
11 44 19 00-0024			Cooking Equipment/ Steamers *(11 44 19 00-0023)*		
	11 44 19 00-0025	EA	3 Pan, Electric Countertop Convection Steamer	5,165.80	164.83
	11 44 19 00-0026	EA	5 Pan, Electric Countertop Convection Steamer	6,782.04	172.68
	11 44 19 00-0027	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	4,785.69	164.83
	11 44 19 00-0028	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	6,946.16	172.68
11 44 19 00-0029			Braising Pans *(11 44 19)*		
	11 44 19 00-0030	EA	24" x 24", 240 Volt, Tilting Braising Pan	11,208.25	160.90
	11 44 19 00-0031	EA	24" x 31", 240 Volt, Tilting Braising Pan	11,828.31	169.21
	11 44 19 00-0032	EA	24" x 41", 240 Volt, Tilting Braising Pan	12,598.04	180.19
	11 44 19 00-0033	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	14,611.28	209.82
	11 44 19 00-0034	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	15,109.62	216.29
	11 44 19 00-0035	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	15,699.41	222.01
11 44 19 00-0036			Toasters *(11 44 19)*		
	11 44 19 00-0037	EA	Bun Toaster 3.2 KW	2,221.71	36.14
	11 44 19 00-0038	EA	Bun Toaster 4.3 KW	2,424.78	39.37
	11 44 19 00-0039	EA	Pop-Up Toaster, 2 Slot	433.80	85.00
	11 44 19 00-0040	EA	Conveyor Toaster	743.24	127.55
11 44 19 00-0041			Microwave Ovens *(11 44 19)*		
	11 44 19 00-0042	EA	1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	1,182.63	
	11 44 19 00-0043	EA	1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	1,646.85	
11 44 19 00-0044			Ceramic Broiler On Storage Base With Doors *(11 44 19)*		
	11 44 19 00-0045	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	9,235.53	131.92
	11 44 19 00-0046	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	9,235.53	131.92
	11 44 19 00-0047	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	11,478.07	164.68
11 44 19 00-0048			Gas Countertop Hot Plate *(11 44 19)*		
	11 44 19 00-0049	EA	2 Burners Gas Countertop Hot Plate	1,177.42	16.80
11 46			Food Dispensing Equipment *(11 40)*		
11 46 13			**Bar Equipment** ***(11 46)***		
11 46 13 00-0001			Soft Serve Machines *(11 46 13)*		
	11 46 13 00-0002	EA	Soft Serve Machines, Medium	9,141.02	92.78
	11 46 13 00-0003	EA	Soft Serve Machines, Large	15,413.59	113.34
11 46 13 00-0004			Salad Bars *(11 46 13)*		
	11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	10,008.62	357.71
	11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	9,179.62	357.71
	11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	6,456.17	196.53
	11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	5,105.82	161.46
	11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	7,756.71	236.87
	11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	8,545.26	209.82
	11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,154.80	35.54
	11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,228.43	35.54
11 46 16			**Service Line Equipment** ***(11 46)***		
11 46 16 00-0001			Food Warmer Holding Station *(11 46 16)*		
	11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	820.91	13.34
11 46 16 00-0003			Roll And Food Warmers *(11 46 16)*		
	11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,766.49	28.72
	11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	4,042.48	65.78

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0006		**Hot Cabinets With Top Wells Electric** *(11 46 16)*		
11 46 16 00-0007	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	9,446.52	131.92
11 46 16 00-0008	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	13,496.06	189.05
11 46 16 00-0009		**Portable Hot Food Units** *(11 46 16)*		
11 46 16 00-0010	EA	44-1/2", 3 Opening Portable Hot Food Unit	2,083.70	29.17
11 46 16 00-0011	EA	72-1/2", 5 Opening Portable Hot Food Unit	3,033.84	42.46
11 46 16 00-0012		**Stationary Hot Food Units** *(11 46 16)*		
11 46 16 00-0013	EA	44-1/2", 3 Opening Stationary Hot Food Unit	1,874.17	26.86
11 46 16 00-0014	EA	72-1/2", 5 Opening Stationary Hot Food Unit	2,765.43	39.60
11 46 16 00-0015		**Serving Counters** *(11 46 16)*		
11 46 16 00-0016	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	97.26	32.02
11 46 16 00-0017	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	123.61	49.06
11 46 16 00-0018		**Drop-In Equipment** *(11 46 16)*		
11 46 16 00-0019	EA	Hot Food Well, Rectangular	413.76	102.04
11 46 16 00-0020	EA	Hot Food Well, Circular	380.99	102.04
11 46 16 00-0021	EA	Refrigerated Well, 2 Compartment	1,374.17	102.04
11 46 16 00-0022	EA	Refrigerated Well, 3 Compartment	1,560.65	113.34
11 46 16 00-0023	EA	Refrigerated Well, 4 Compartment	1,772.86	127.55
11 46 16 00-0024	EA	Frost Cold Plate	1,553.61	113.34
11 46 16 00-0025		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0026	EA	Coffee Urn, Twin 3 Gallon	2,533.85	165.33
11 46 16 00-0027	EA	Coffee Urn, Twin 6 Gallon	3,607.98	231.42
11 46 16 00-0028	EA	Coffee Brewer, 5 Burner	1,067.75	165.33
11 46 16 00-0029	EA	Hot Chocolate Dispenser	1,033.97	136.17
11 46 16 00-0030	EA	Iced Tea Brewer	1,500.83	136.17
11 46 16 00-0031	EA	Juice Dispenser (Concentrate)	1,108.35	226.53
11 46 16 00-0032	EA	Jet Spray Dispenser	1,559.23	226.76
11 46 16 00-0033	EA	Milk Dispenser, Bulk, 2 Flavor	1,300.20	127.55
11 46 16 00-0034	EA	Milk Dispenser, Bulk, 3 Flavor	1,767.06	127.55
11 46 16 00-0035		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0036	EA	Dish Dispenser, 12", Drop-in	517.00	24.23
11 46 16 00-0037	EA	Dish Dispenser, Mobile	1,609.49	28.31
11 46 16 00-0038	EA	Cup And Glass Dispenser, Drop-in	884.62	75.36
11 46 16 00-0039	EA	Disposable Cup Dispenser, Drop-in	320.61	16.97
11 46 16 00-0040		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0041	EA	Tray And Silver Dispensers Mobile	2,009.49	16.97
11 46 16 00-0042		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Butter Pat Dispenser	119.42	21.26
11 46 16 00-0044	EA	Bread Dispenser, Counter Top	334.01	21.26
11 46 16 00-0045		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0046	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	2,547.00	106.44
11 46 16 00-0047		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0048	EA	Mobile Bread And Roll Counter	5,844.85	239.29
11 46 16 00-0049		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0050	EA	6' Open Service Stand	2,246.63	82.62
11 46 16 00-0051	LF	Each Additional Ft Over 6 Ft Add	307.34	11.17
11 46 16 00-0052		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0053	EA	36" Mobile Serving Stand Unit	1,963.59	79.02
11 46 16 00-0054	EA	96" Mobile Serving Stand Unit	3,225.18	118.44

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0055		Reach-In Heated Cabinets *(11 46 16)*		
11 46 16 00-0056	EA	Heated Cabinet, Reach-in, 1 Compartment	3,947.36	130.85
11 46 16 00-0057	EA	Heated Cabinet, Reach-in, 2 Compartment	5,685.75	164.60
11 46 16 00-0058	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,131.64	130.85
11 46 16 00-0059	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	5,953.58	164.60
11 46 16 00-0060		Mobile Heated Cabinets *(11 46 16)*		
11 46 16 00-0061	EA	Heated Cabinet, Mobile	4,425.84	42.43
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		Carbonated Beverage Dispensing *(11 46 19)*		
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	2,782.02	318.91
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 LB Ice	4,403.11	364.44
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 LB Ice	8,083.87	510.20
11 46 19 00-0005		Beverage Chilling Systems *(11 46 19)*		
11 46 19 00-0006	EA	Beverage Chiller, Small	5,930.37	283.99
11 46 19 00-0007	EA	Beverage Chiller, Large	11,088.63	426.03
11 46 83		**Ice Machines** *(11 46)*		
11 46 83 00-0001		Ice Cube Maker *(11 46 83)*		
11 46 83 00-0002	EA	101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,942.28	137.36
11 46 83 00-0003	EA	201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,300.25	147.17
11 46 83 00-0004	EA	260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,634.05	156.98
11 46 83 00-0005	EA	320 LB/Day, Modular Ice Maker Without Bin	2,324.42	147.17
11 46 83 00-0006	EA	451 LB/Day, Modular Ice Maker Without Bin	2,524.61	156.98
11 46 83 00-0007	EA	600 LB/Day, Modular Ice Maker Without Bin	2,880.56	156.98
11 46 83 00-0008	EA	901 LB/Day, Modular Ice Maker Without Bin	4,093.53	166.79
11 46 83 00-0009	EA	1301 LB/Day, Modular Ice Maker Without Bin	4,635.41	166.79
11 46 83 00-0010	EA	1601 LB/Day, Modular Ice Maker Without Bin	5,577.55	176.61
11 46 83 00-0011	EA	1900 LB/Day, Modular Ice Maker Without Bin	6,153.42	176.61
11 46 83 00-0012		Ice Flakers *(11 46 83)*		
11 46 83 00-0013	EA	Ice Flakers, 300 LB/Day	4,536.01	462.99
11 46 83 00-0014	EA	Ice Flakers, 600 LB/Day	8,207.68	740.80
11 46 83 00-0015	EA	Ice Flakers, 1,000 LB/Day	10,156.80	1,018.60
11 46 83 00-0016	EA	Ice Flakers, 2,000 LB/Day	12,395.83	1,111.20
11 46 83 00-0017		Ice Storage Bins *(11 46 83)*		
11 46 83 00-0018	EA	260 LB Stainless Steel Ice Storage Bin	948.06	101.86
11 46 83 00-0019	EA	360 LB Stainless Steel Ice Storage Bin	1,035.07	101.86
11 46 83 00-0020	EA	550 LB Stainless Steel Ice Storage Bin	1,284.06	110.34
11 46 83 00-0021	EA	660 LB Stainless Steel Ice Storage Bin	1,380.73	110.34
11 46 83 00-0022	EA	1150 LB Stainless Steel Ice Storage Bin	2,606.08	118.83
11 48		Foodservice Cleaning and Disposal Equipment *(11 40)*		
11 48 13		**Commercial Dishwashers** *(11 48)*		
11 48 13 00-0001		Sprays And Hoses *(11 48 13)*		
11 48 13 00-0002		Sprays, Fillers *(11 48 13 00-0001)*		
11 48 13 00-0003	EA	Pre-Rinse Spray	340.15	67.67
11 48 13 00-0004	EA	Kettle Fillers	299.20	67.67
11 48 13 00-0005		Hoses *(11 48 13 00-0001)*		
11 48 13 00-0006	EA	Hose Reel	408.19	81.24
11 48 13 00-0007	EA	Wash-Down Hose	326.28	81.24
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,241.74	
11 48 13 00-0009		Rack Type Dishwasher *(11 48 13)*		
11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 Racks/Hour	10,376.97	185.14
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 Racks/Hour	17,397.22	259.19
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 Racks/Hour	20,921.26	277.71
11 48 13 00-0013	EA	Dishwasher, Automatic - 100 Meals/Hour	16,781.98	138.85
11 48 13 00-0014	EA	Dishwasher, Machine Rack	19,528.86	385.73
11 48 13 00-0015	EA	Dishwasher, Hobart LX30-H	5,179.16	161.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0016		**Exhaust Hood Dishwasher** *(11 48 13)*		
11 48 13 00-0017	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,047.16	190.79
11 48 13 00-0018	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	3,515.54	228.94
11 48 13 00-0019		**Dish Tables** *(11 48 13)*		
11 48 13 00-0020	LF	Clean/Soiled Dish Table, Basic	236.93	35.54
11 48 13 00-0021	LF	Clean/Soiled Dish Table With Trough	372.72	53.26
11 48 13 00-0022	LF	Clean/Soiled Dish Table, Maximum	450.79	70.98
11 48 16		**Food Waste Disposers** *(11 48)*		
11 48 16 00-0001		**Garbage Disposals** *(11 48 16)*		
		Note: Manual switch.		
11 48 16 00-0002	EA	Garbage Disposal 1.5 HP At 100 GPH	2,027.02	138.85
11 48 16 00-0003	EA	Garbage Disposal 3 HP At 120 GPH	3,100.15	92.57
11 48 16 00-0004	EA	Garbage Disposal 5 HP At 250 GPH	3,698.23	185.14
11 48 16 00-0005	EA	Garbage Disposal 7-1/2 HP	5,086.70	184.02
11 48 16 00-0006		**Pulper/Extractors** *(11 48 16)*		
11 48 16 00-0007	EA	5 HP, Pulper/Extractor, Close-Coupled	4,494.65	192.82

11 50 Educational And Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	239.81	64.87
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	288.19	83.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	373.65	115.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	435.94	139.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	670.66	208.52
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	780.79	231.69
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	550.18	148.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	640.27	185.35
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	331.41	78.77
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	460.09	111.21
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	503.85	125.11
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	538.32	134.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	625.83	162.18
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	501.26	115.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	570.22	134.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	511.51	83.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	612.92	115.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	728.23	157.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	862.07	208.52
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	935.15	213.15
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,004.11	231.69
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,020.06	231.69
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,095.72	245.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	1,171.38	259.49
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	1,256.30	278.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	1,383.91	278.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	1,633.06	370.70
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	931.94	115.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,063.20	157.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,197.04	208.52
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,254.17	213.15
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,339.08	231.69
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,355.03	231.69
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,430.69	245.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,465.18	254.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,639.12	278.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,782.68	278.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,063.74	370.70
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,438.62	104.26
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,476.47	115.85
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,550.70	139.01
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,815.95	208.52
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,860.45	213.15
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,978.24	231.69
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,014.94	231.69
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,117.84	247.90
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,239.36	259.49
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,324.87	278.03
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,390.93	278.03
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,690.77	370.70

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,266.12	278.03
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,579.08	370.70
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,405.51	417.04
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,657.69	463.37
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,002.56	556.05
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,573.75	602.39
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,097.11	648.73
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,416.13	648.73
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,936.45	741.40
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,371.30	602.39
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,808.84	741.40
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,153.70	834.08
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,783.00	648.73
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,748.80	834.08

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,918.59	104.26
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,989.62	115.85
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,067.86	139.01
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,318.53	208.52
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,359.70	213.15
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,492.46	231.69
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,588.17	231.69
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,668.46	247.90
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,771.39	259.49
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,872.26	278.03
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,904.16	278.03
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,249.02	370.70
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,550.57	393.87
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,756.43	417.04
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,200.02	463.37
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,465.14	556.05
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,433.68	104.26
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,502.35	127.43
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,539.88	139.01
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,725.15	208.52
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,748.78	213.15
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,846.45	231.69
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,930.99	231.69
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,076.68	247.90
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,122.18	259.49
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,227.84	278.03
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,256.72	324.36
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,572.70	370.70
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,413.39	393.87
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,611.28	417.04
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,999.04	463.37
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,251.38	556.05
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,718.91	602.39
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,077.96	648.73
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,310.85	648.73
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,993.87	741.40
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,539.88	139.01

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,678.81	185.35
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,739.51	208.52
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,138.13	259.49
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,389.11	324.36
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,210.91	417.04
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,517.48	509.72
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,813.59	695.06
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,686.79	185.35
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,763.43	208.52
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,837.50	222.42
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,888.92	240.95
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,061.57	259.49
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,328.50	324.36
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,167.84	417.04
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,834.91	509.72
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,857.69	602.39
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,767.07	104.26
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,825.47	115.85
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,898.23	139.01
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,128.25	208.52
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,166.88	213.15
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,267.06	231.69
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,365.41	231.69
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,460.97	247.90
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,531.11	259.49
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,643.04	278.03
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,744.33	278.03
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,014.82	370.70
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,448.31	231.69
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,987.62	278.03
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,350.32	417.04
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,797.68	556.05
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,099.59	648.73
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,894.94	231.69
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,641.61	278.03

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,164.97	324.36
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,519.65	417.04
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,710.32	231.69
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,381.17	254.85
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,864.65	278.03
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,846.14	301.19
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,579.43	7,255.06
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,421.50	370.70
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,762.38	417.04
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,477.15	463.37
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,193.53	509.72
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,594.45	556.05
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	42.61	6.95
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	58.56	7.41
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	68.13	8.34
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	404.39	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	579.85	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,362.87	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	27.33	3.34
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	772.85	46.34
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	891.88	46.34
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	1,172.45	46.34
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,835.62	46.34
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	2,133.20	46.34
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,702.85	46.34
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,284.25	46.34
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	5,797.65	46.34
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,594.87	46.34
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	190.08	50.96
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	295.63	50.96
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	71.42	23.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	93.08	23.16
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	125.15	23.16
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	157.04	23.16
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	219.99	23.16
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	472.52	23.16
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	39.29	6.95
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	49.97	6.95
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	53.98	6.95
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	56.65	6.95
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	67.96	9.26
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	81.32	9.26
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	102.70	9.26
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	117.40	9.26
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	138.06	11.58
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	156.77	11.58
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	174.76	13.90
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	182.77	13.90
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	79.27	11.58
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	119.36	11.58
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	122.03	11.58
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	126.04	11.58
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	137.35	13.90
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	144.03	13.90
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	158.72	13.90
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	172.08	13.90
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	191.42	16.21
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	204.78	16.21
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	224.11	18.53
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	233.46	18.53
11 52 33		**Display Monitors And Panels** *(11 52)*		
11 52 33 00-0001		Television Monitors And Panels *(11 52 33)*		
		Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0018 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	384.43	13.58
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	421.98	15.28
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	572.68	16.97
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI	577.91	16.97
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI	654.40	18.67
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI	768.30	20.38
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI	956.98	22.07
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI	1,143.96	22.07
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI	1,332.64	23.77
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI	1,614.81	25.46
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI	2,551.42	27.16
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	1,175.26	20.38
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	1,638.91	22.07
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	2,218.06	23.77
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	2,335.24	25.46
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	3,490.13	25.46
11 52 33 00-0018		Flat Panel Display Mounting *(11 52 33)*		
		Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0019	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays	281.99	91.63
		Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt		
11 52 33 00-0020	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays	424.07	114.54
		Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0021	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays	447.61	137.45
		Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	472.34	137.45
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	472.34	137.45
11 52 33 00-0024	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	269.64	91.63
11 52 33 00-0025	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	364.83	114.54
11 52 33 00-0026	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	595.75	137.45
11 52 33 00-0027	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	835.46	160.35
11 52 33 00-0028	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	340.15	114.54
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	389.51	114.54
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	459.67	137.45
11 52 33 00-0031	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	290.78	114.54
11 52 33 00-0032	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	327.81	114.54
11 52 33 00-0033	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	390.38	137.45
11 52 33 00-0034	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	481.96	183.27
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	551.26	183.27
		For 28" To 41" Extension Pole, Add	*24.14*	
		For 38" To 51" Extension Pole, Add	*30.74*	
		For 48" To 61" Extension Pole, Add	*35.14*	
11 52 33 00-0036	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	575.46	183.27

11 52 33 00-0037 Audio/Video Components *(11 52 33)*

11 52 33 00-0038	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	917.65	68.72
11 52 33 00-0039	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	1,232.59	68.72
11 52 33 00-0040	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	282.03	22.91
11 52 33 00-0041	EA	MPA 401-70 Volt, 70 Volt Mono Power Amp - 40 Watts (Extron Electronics #60-845-01)	324.97	22.91
11 52 33 00-0042	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	1,321.36	91.63
11 52 33 00-0043	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	1,464.51	91.63
11 52 33 00-0044	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	1,464.51	91.63
11 52 33 00-0045	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	95.72	11.45
11 52 33 00-0046	EA	DVD/VCR Combo (Toshiba #SD V296)	93.08	
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V392)	94.31	
11 52 33 00-0048	EA	DVDr/VCR Combo (Toshiba #DVR620)	170.83	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR670)	233.77	

11 52 33 00-0050 Audio/Video Cabling *(11 52 33)*

11 52 33 00-0051	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	30.92
11 52 33 00-0052	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	45.24
11 52 33 00-0053	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	67.63
11 52 33 00-0054	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	140.59
11 52 33 00-0055	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	197.85
11 52 33 00-0056	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	271.71
11 52 33 00-0057	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	371.92
11 52 33 00-0058	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	457.81
11 52 33 00-0059	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	545.99
11 52 33 00-0060	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	603.26
11 52 33 00-0061	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	720.07
11 52 33 00-0062	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	865.53
11 52 33 00-0063	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	30.92
11 52 33 00-0064	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	45.24
11 52 33 00-0065	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	67.63
11 52 33 00-0066	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	140.59
11 52 33 00-0067	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	197.85
11 52 33 00-0068	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	271.71
11 52 33 00-0069	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	371.92
11 52 33 00-0070	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	457.81
11 52 33 00-0071	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	545.99
11 52 33 00-0072	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	603.26
11 52 33 00-0073	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	720.07
11 52 33 00-0074	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	865.53
11 52 33 00-0075	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	13.74
11 52 33 00-0076	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	21.77
11 52 33 00-0077	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	16.61
11 52 33 00-0078	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	18.04
11 52 33 00-0079	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	24.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0080	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	28.98	
11 52 33 00-0081	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	46.11	
11 52 33 00-0082	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	64.72	
11 52 33 00-0083	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	85.61	
11 52 33 00-0084	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	114.24	
11 52 33 00-0085	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	142.87	
11 52 33 00-0086	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	23.76	
11 52 33 00-0087	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	25.19	
11 52 33 00-0088	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	31.84	
11 52 33 00-0089	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	39.00	
11 52 33 00-0090	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	54.69	
11 52 33 00-0091	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	73.30	
11 52 33 00-0092	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	99.92	
11 52 33 00-0093	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	128.55	
11 52 33 00-0094	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	164.34	
11 52 33 00-0095	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	5.15	
11 52 33 00-0096	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	6.58	
11 52 33 00-0097	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	8.02	
11 52 33 00-0098	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	10.88	

11 53 Laboratory Equipment *(11 50)*

11 53 43 Service Fittings And Accessories *(11 53)*

11 53 43 00-0001 Outlet And Valves *(11 53 43)*

11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	657.95	

11 53 43 00-0003 Test And Certify *(11 53 43)*

11 53 43 00-0004	EA	Test And Certify Medical Gas Port	46.30	

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001 Fitness Systems *(11 66 13)*

11 66 13 00-0002 Components For Physical Fitness Activities *(11 66 13 00-0001)*

11 66 13 00-0003	EA	Sit And Reach	813.57	85.30
11 66 13 00-0004	EA	Isometric Squat	304.89	34.12
11 66 13 00-0005	EA	Log Jump	1,920.57	136.48
11 66 13 00-0006	EA	Step Up	457.96	68.24
11 66 13 00-0007	EA	Hip Rotation	2,087.38	119.42
11 66 13 00-0008	EA	Body Curl	788.38	68.24
11 66 13 00-0009	EA	Horizontal Ladder	2,518.89	136.48
11 66 13 00-0010	EA	Chin Up	1,929.50	136.48
11 66 13 00-0011	EA	Push Up	1,167.91	68.24
11 66 13 00-0012	EA	Leg Raise	1,638.01	102.37
11 66 13 00-0013	EA	Log Hop	733.53	34.12
11 66 13 00-0014	EA	Parallel Bar	1,577.74	102.37
11 66 13 00-0015	EA	Leg Stretch	681.22	68.24
11 66 13 00-0016	EA	Balance Beam	604.68	51.18
11 66 13 00-0017	EA	Log Roll	1,858.39	85.30

11 68 Play Field Equipment And Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	188.47	46.06
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	270.48	46.06

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

11 68 13 00-0006 Steel See-Saw *(11 68 13 00-0005)*

11 68 13 00-0007	EA	2 Unit Steel See-Saw	1,507.69	283.44
11 68 13 00-0008	EA	4 Unit Steel See-Saw	2,346.95	334.96
11 68 13 00-0009	EA	6 Unit Steel See-Saw	3,212.00	409.40

11 68 13 00-0010 14' Long Laminated Beam *(11 68 13 00-0005)*

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,513.79	250.63
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,077.01	223.25

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0013		**Slides** *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	1,785.29	324.11
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	2,515.53	460.58
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	2,787.34	511.75
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	3,438.89	566.89
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	5,088.30	891.74
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	9,912.13	919.93
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	12,358.90	966.86
11 68 13 00-0021		**Whirlers** *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	3,944.32	614.10
11 68 13 00-0023	EA	10' Diameter Whirler	4,598.78	736.92
11 68 13 00-0024		**Other Standalone Playground Equipment** *(11 68 13 00-0001)*		
11 68 13 00-0025		**Miscellaneous Standalone Playground Equipment** *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	1,215.01	164.12
11 68 13 00-0027	EA	Tether Ball Post	212.56	32.07
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	330.41	56.70
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	2,711.08	160.21
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	403.68	85.64
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	538.10	102.37
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	724.63	136.48
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,052.81	187.66
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,034.96	78.13
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,138.54	84.35
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,118.54	90.42
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	1,156.88	77.80
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	1,427.79	101.88
11 68 13 00-0039	EA	Coil Spring Assembly Only	292.88	37.46
11 68 13 00-0040	EA	"C" Spring Assembly Only	194.66	24.98
11 68 13 00-0041	EA	Rubber Spring Assembly Only	214.47	48.72
11 68 13 00-0042	EA	Footbuck Assembly Only	50.64	6.55
11 68 13 00-0043	EA	Replacement Animal Only	715.26	53.09
11 68 13 00-0044	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	1,266.21	93.70
11 68 13 00-0045		**Freestanding Panels** *(11 68 13 00-0024)* Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA	Tic-Tac-Toe Panel	539.31	40.13
11 68 13 00-0047	EA	24" Bubble Panel	807.91	60.12
11 68 13 00-0048	EA	Fire Engine Panel	1,185.63	88.23
11 68 13 00-0049	EA	Flat Mirror Panel	948.51	70.62
11 68 13 00-0050	EA	Wavy Mirror Panel	1,403.88	104.54
11 68 13 00-0051	EA	Paint Time Panel	910.73	67.83
11 68 13 00-0052	EA	Phone Time Panel	646.33	48.11
11 68 13 00-0053	EA	Phone Time With Graphic Panel	646.33	48.11
11 68 13 00-0054	EA	Race Time Panel	1,133.17	84.35
11 68 13 00-0055	EA	Rescue 911 Panel	1,149.25	84.35
11 68 13 00-0056	EA	Eastern/Central/Western States Panel	619.06	46.06
11 68 13 00-0057	EA	Career People Panel	702.99	52.34
11 68 13 00-0058	EA	Solar System Panel	702.99	52.34
11 68 13 00-0059	EA	Animals Panel	702.99	52.34
11 68 13 00-0060		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0061	EA	3-1/2" Outside Diameter End Panel Upright	173.57	22.52
11 68 13 00-0062	EA	3-1/2" Outside Diameter 90 Degree Upright	188.05	24.37
11 68 13 00-0063	EA	3-1/2" Outside Diameter 180 Degree Upright	188.05	24.37
11 68 13 00-0064	EA	3-1/2" Outside Diameter "T-Shaped" Upright	200.10	25.93
11 68 13 00-0065		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0066	EA	12' Single Metal Coaster With Four Posts	4,148.51	272.96
11 68 13 00-0067	EA	18' Single Metal Coaster With Four Posts	4,661.39	341.20
11 68 13 00-0068	EA	12' Double Metal Coaster With Four Posts	6,690.67	409.44
11 68 13 00-0069	EA	18' Double Metal Coaster With Four Posts	7,637.63	511.81
11 68 13 00-0070		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0071	EA	Tower Climber, 3.17' Diameter x 7.25' High	842.80	182.34
11 68 13 00-0072	EA	Arch Climber, 2' x 12' x 4.5' High	777.97	223.29
11 68 13 00-0073	EA	Arch Climber, 2' x 15' x 5.83' High	835.28	182.34
11 68 13 00-0074	EA	Arch Climber, 2' x 17' x 6.58' High	889.55	223.29
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 4' High	944.84	182.13
11 68 13 00-0076	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,045.30	182.20

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0077	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,199.18	182.20
11 68 13 00-0078	EA	Rainbow Climber, 2' x 15'-4" x 7' High	1,299.81	182.13
11 68 13 00-0079	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,564.27	213.25
11 68 13 00-0080	EA	12' Long Horizontal Ladder Climber	1,264.77	159.18
11 68 13 00-0081	EA	14' Long Horizontal Ladder Climber	1,281.71	159.18
11 68 13 00-0082	EA	16' Long Horizontal Ladder Climber	1,393.82	159.18
11 68 13 00-0083	EA	Bell Climber, 7'-5" High With Double Bars	1,345.02	204.72
11 68 13 00-0084	EA	2-Way Climber	1,135.15	164.12
11 68 13 00-0085	EA	4-Way Climber	1,743.76	164.12

11 68 13 00-0086 Swings *(11 68 13 00-0001)*

11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0086)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0088	EA	8' High Top Rail, One Section Two Seats	1,106.58	250.63
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*126.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*133.95*	
11 68 13 00-0089	EA	8' High Top Rail, Two Sections Four Seats	1,752.70	358.64
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*201.17*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*217.16*	
11 68 13 00-0090	EA	8' High Top Rail, Three Sections, Six Seats	2,429.32	527.72
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*278.53*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*299.44*	
11 68 13 00-0091	EA	8' High Top Rail, Four Sections, Eight Seats	3,035.15	614.10
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*348.68*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*377.59*	
11 68 13 00-0092	EA	10' High Top Rail, One Section Two Seats	1,171.43	250.63
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*134.49*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*145.30*	
11 68 13 00-0093	EA	10' High Top Rail, Two Section Four Seats	1,842.09	381.97
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*210.64*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*224.26*	
11 68 13 00-0094	EA	10' High Top Rail, Three Sections, Six Seats	2,557.05	593.16
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*291.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*306.21*	
11 68 13 00-0095	EA	10' High Top Rail, Four Sections, Eight Seats	3,369.19	716.45
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*385.31*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*410.42*	

11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0086)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0097	EA	8' High Top Rail, One Section, Two Seats	1,237.53	221.35
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*143.62*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*161.22*	
11 68 13 00-0098	EA	8' High Top Rail, Two Sections, Four Seats	1,796.09	321.17
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*208.45*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*234.03*	
11 68 13 00-0099	EA	8' High Top Rail, Three Sections, Six Seats	2,396.82	429.53
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*278.13*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*312.06*	
11 68 13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats	2,980.88	511.75
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*347.02*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*393.70*	
11 68 13 00-0101	EA	10' High Top Rail, One Section, Two Seats	1,395.46	249.47
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*161.96*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*181.85*	
11 68 13 00-0102	EA	10' High Top Rail, One Section Three Seats	1,452.74	264.54
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*168.99*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*191.22*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats	1,948.72	349.22
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*226.13*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*253.71*	
11 68 13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats	2,323.70	402.58
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*271.28*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*310.75*	
11 68 13 00-0105	EA	10' High Top Rail, Three Section, Six Seats	2,593.82	464.60
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*301.00*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*337.76*	
11 68 13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats	3,192.53	511.95
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*373.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*430.74*	
11 68 13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats	3,304.00	614.10
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*382.29*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*424.64*	
11 68 13 00-0108	EA	12' High Top Rail, One Section Three Seats	1,516.36	270.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*176.64*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*200.82*	
11 68 13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats	2,464.11	435.94
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*287.25*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*327.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats	3,633.08	698.24
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*420.02*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*465.21*	
11 68 13 00-0111		**Swing Accessories** *(11 68 13 00-0086)*		
11 68 13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	337.68	20.57
11 68 13 00-0113	EA	Bucket Seat With Chain And Hardware	280.72	17.11
11 68 13 00-0114	EA	Belt Seat With Chain And Hardware	299.03	18.26
11 68 13 00-0115	EA	Seat With Chain And Hardware	294.95	17.99
11 68 13 00-0116	EA	Wide Seat With Chain And Hardware	311.34	19.00
11 68 13 00-0117	EA	Handi Seat With Chain And Hardware	929.62	56.68
11 68 13 00-0118	LF	0.4 LB/LF Replacement Chain	4.00	0.41
11 68 13 00-0119	LF	1 LB/LF Replacement Chain	7.42	0.81
11 68 13 00-0120	EA	Swing Hanger Replacement	43.36	4.69
11 68 13 00-0121		**Modular Playground Stations** *(11 68 13)*		
		Note: Complete as described.		
11 68 13 00-0122		**"Miracle" Or Equal** *(11 68 13 00-0121)*		
11 68 13 00-0123	EA	Miracle 714-029	73,845.89	7,097.01
11 68 13 00-0124	EA	Miracle 714-030	29,756.53	2,859.27
11 68 13 00-0125	EA	Miracle 714-031	38,273.38	3,678.16
11 68 13 00-0126	EA	Miracle 714-055	116,543.75	11,170.96
11 68 13 00-0127	EA	Miracle 714-059	53,850.77	5,165.81
11 68 13 00-0128	EA	Miracle 714-038	6,222.02	596.43
11 68 13 00-0129	EA	Miracle 714-053	42,429.11	4,067.13
11 68 13 00-0130	EA	Miracle 714-050	30,010.18	2,879.75
11 68 13 00-0131	EA	Miracle 714-056	105,588.14	10,113.24
11 68 13 00-0132	EA	Miracle 714-020	45,997.48	4,408.34
11 68 13 00-0133	EA	Miracle 714-035	37,514.87	3,589.45
11 68 13 00-0134	EA	Miracle 714-021	50,755.76	4,858.72
11 68 13 00-0135	EA	Miracle 714-034	56,678.25	5,425.12
11 68 13 00-0136	EA	Miracle 714-025	20,262.37	1,938.02
11 68 13 00-0137	EA	Miracle 714-027	26,212.04	2,511.25
11 68 13 00-0138	EA	Miracle 714-057	26,628.32	2,552.20
11 68 13 00-0139	EA	Miracle 714-061	30,741.58	2,947.99
11 68 13 00-0140	EA	Miracle 714-003	35,449.03	3,398.37
11 68 13 00-0141	EA	Miracle 714-002-1	37,075.81	3,555.33
11 68 13 00-0142	EA	Miracle 714-018	29,681.58	2,845.62
11 68 13 00-0143	EA	Miracle 714-019	18,972.97	1,815.20
11 68 13 00-0144	EA	Miracle 714-023	14,241.34	1,364.81
11 68 13 00-0145	EA	Miracle 714-010	32,541.14	3,118.59
11 68 13 00-0146	EA	Miracle 718-008	13,399.87	1,282.92
11 68 13 00-0147	EA	Miracle 718-002	19,900.74	1,910.73
11 68 13 00-0148	EA	Miracle 718-010	12,884.78	1,235.16
11 68 13 00-0149	EA	Miracle 718-005	18,198.64	1,750.36
11 68 13 00-0150	EA	Miracle 718-854	1,578.19	150.13
11 68 13 00-0151	EA	Miracle 1314-2	1,033.24	98.95
11 68 13 00-0152	EA	Miracle 718-009	5,560.76	532.95
11 68 13 00-0153	EA	Miracle 718-014	17,184.72	1,644.60
11 68 13 00-0154	EA	Miracle 718-012	9,927.47	948.54
11 68 13 00-0155	EA	Miracle 718-001	15,889.35	1,521.76
11 68 13 00-0156	EA	Miracle 718-011	9,152.61	873.48
11 68 13 00-0157	EA	Miracle 162-422	98,260.60	9,389.89
11 68 13 00-0158	EA	Miracle 162-440	41,567.33	3,978.42
11 68 13 00-0159	EA	Miracle 162-438	82,271.27	7,874.95
11 68 13 00-0160	EA	Miracle 162-435-1	16,991.94	1,624.13
11 68 13 00-0161	EA	Miracle 162-411	72,394.51	6,919.58
11 68 13 00-0162	EA	Miracle 162-495	19,255.47	1,842.49
11 68 13 00-0163	EA	Miracle 162-436	36,752.88	3,507.56
11 68 13 00-0164	EA	Miracle 162-408	51,235.13	4,899.66
11 68 13 00-0165	EA	Miracle 137A	8,427.68	805.23
11 68 13 00-0166	EA	Miracle 136A	6,059.45	580.04
11 68 13 00-0167	EA	Miracle 134RA	4,910.21	470.86
11 68 13 00-0168	EA	Miracle 138RA	7,885.36	750.64
11 68 13 00-0169	EA	Miracle 121-112A	3,771.37	361.68
11 68 13 00-0170	EA	Miracle 105-22A	5,262.71	504.98
11 68 13 00-0171	EA	Miracle 132-31A	5,657.14	539.10
11 68 13 00-0172	EA	Miracle 132-71A	10,793.87	1,030.44
11 68 13 00-0173	EA	Miracle Twin Rider 608-1	1,212.75	116.01
11 68 13 00-0174	EA	Miracle Twin Bear Rider 608-2	2,462.47	234.75
11 68 13 00-0175	EA	Miracle 4-way Animal Hop 926	4,639.05	443.56
11 68 13 00-0176	EA	Miracle Spaceship Columbia 939	1,476.49	143.31
11 68 13 00-0177	EA	Miracle Grad Prix 950	1,723.01	163.78
11 68 13 00-0178	EA	Miracle Moto-Cross With "C" Spring	1,165.93	109.19
11 68 13 00-0179	EA	Miracle Rodeo Rider With "C" Spring 901	756.74	71.65
11 68 13 00-0180	EA	Miracle Frog With "C" Spring 932	756.74	72.34
11 68 13 00-0181	EA	Miracle Jet Interceptor With "C" Spring 940	756.74	72.34
11 68 13 00-0182	EA	Miracle Elephant With "C" Spring 938	756.74	72.34

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0183	EA	Miracle Lion With "C" Spring 917	756.74	72.34
11 68 13 00-0184	EA	Miracle Schnozz Womp With "C" Spring 933	756.74	72.34
11 68 13 00-0185	EA	Miracle Squirrel With "C" Spring 918	756.74	72.34
11 68 13 00-0186	EA	Miracle Seal With "C" Spring 919	756.74	72.34
11 68 13 00-0187	EA	Miracle 13' Geodesic Climber 402-2	3,552.07	341.20
11 68 13 00-0188	EA	Miracle Parallel Bars 850-285-2	555.32	53.23
11 68 13 00-0189	EA	Miracle 4-way Climber 410	2,772.85	266.13
11 68 13 00-0190	EA	Miracle Spider Climber 409	1,244.79	119.42
11 68 13 00-0191	EA	Miracle Horizontal Ladder 411	1,281.88	122.84
11 68 13 00-0192	EA	Miracle Whirl 302	2,881.61	272.96
11 68 13 00-0193	EA	Miracle Junior Whirl 300	2,215.97	211.54
11 68 13 00-0194	EA	Miracle Pony Express 321	6,332.50	607.34
11 68 13 00-0195	EA	Miracle Mustang Whirl 301	4,311.23	409.44

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	1,524.92	193.65
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	2,797.18	213.02
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,012.54	193.65
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	2,480.74	213.02
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230)	3,175.48	284.79
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230)	4,119.12	313.27
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0008 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	25.68	6.82
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000)	42.51	6.82
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000)	106.60	34.12
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	202.79	15.36
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	865.27	29.01
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	923.02	29.01
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	662.12	25.59
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	500.43	25.59

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	774.07	116.00
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	943.85	116.00
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	972.15	116.00
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,021.08	116.00
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,195.31	116.00
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	191.64	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	212.79	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	389.44	114.63
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	423.20	114.63
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	886.80	176.38
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	51.86	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 13-0001		**Football Goal Posts** *(11 68 33 13)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	3,105.02	307.09
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	4,503.50	459.73
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	5,381.28	551.67
11 68 33 23		**Soccer And Field Hockey Equipment** *(11 68 33)*		
11 68 33 23-0001		**Soccer Goal Posts** *(11 68 33 23)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR	Regulation Soccer Goal Posts	2,933.64	204.70
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	3,543.09	307.09
11 68 33 33		**Baseball Field Equipment** *(11 68 33)*		
11 68 33 33-0001		**Bases** *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	334.20	

11 70 Healthcare Equipment *(11)*

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001		**Ceiling Patient Lift** *(11 73 23)*		
11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	7,665.42	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001		**Safety And Tie-Back Anchors** *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0063 for engineering testing and inspection.		
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	443.90	69.51
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	381.23	69.51
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	307.99	63.81
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	348.24	69.51
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	317.63	69.51
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	274.59	63.81
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	242.92	

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001		**Electric Incinerator** *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	22,377.09	820.53

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	45,765.58	1,641.06
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	153,038.20	2,461.59

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 Waste Compactors *(11 82 26)*

11 82 26 00-0002 110 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour	12,183.23	424.11
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour	15,509.98	1,017.87

11 82 26 00-0005 230 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	15,656.20	1,357.17
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	17,786.34	1,781.28

11 82 26 00-0008 Trash Compactors *(11 82 26)*

11 82 26 00-0009	EA	Trash Compactor, Small	3,693.67	237.28
11 82 26 00-0010	EA	Trash Compactor, Large	4,566.30	268.51

END OF SECTION 11

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation And Maintenance Of Furnishings *(12)*

12 01 60 Operation And Maintenance Of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Replace Seat Part	117.87	
12 01 60 00-0003	EA	Replace Center Armrest Part	57.13	
12 01 60 00-0004	EA	Replace End Armrest Part	77.10	
12 01 60 00-0005	EA	Replace Kick Plate Part	83.83	
12 01 60 00-0006	EA	Replace Back Part	140.35	
12 01 60 00-0007	EA	Replace Standard Part	110.38	
12 01 60 00-0008	EA	Replace Back Bracket Part	50.35	
12 01 60 00-0009	EA	Replace Seat Bracket Part	51.79	
12 01 60 00-0010	EA	Secure Seat To Floor	47.78	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	58.48	
		For Epoxy Anchoring, Add	*16.42*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	150.97	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	9.40	0.77
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	7.70	0.77
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	8.35	0.77
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	9.66	0.77

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	7.96	0.77
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	9.20	0.77

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	10.97	1.63

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	7.10	1.63
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	9.92	1.63

12 22 Curtains And Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	158.98	11.59
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	165.08	11.59
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	175.00	11.59
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	178.82	11.59
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	187.97	11.59
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	200.18	11.59
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	207.81	11.59
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	218.49	11.59
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	235.28	11.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	229.88	15.75
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	243.62	15.75
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	254.30	15.75
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	263.45	15.75
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	284.82	15.75
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	295.50	15.75
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	304.66	15.75
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	324.49	15.75
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	345.85	15.75
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	303.84	19.92
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	323.68	19.92
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	332.83	19.92
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	354.19	19.92
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	374.03	19.92
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	393.87	19.92
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	404.55	19.92
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	425.91	19.92
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	454.91	19.92
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	382.37	24.10
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	402.21	24.10
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	412.89	24.10
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	443.41	24.10
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	463.25	24.10
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	484.61	24.10
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	742.69	24.10
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	536.49	24.10
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	551.75	24.10
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	451.75	28.26
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	480.74	28.26
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	491.43	28.26
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	521.95	28.26
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	552.46	28.26
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	582.98	28.26
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	613.50	28.26
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	644.02	28.26
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	682.17	28.26
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	530.29	32.44
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	560.80	32.44
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	583.69	32.44
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	614.21	32.44
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	644.73	32.44
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	682.88	32.44
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	713.40	32.44
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	743.92	32.44
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	797.33	32.44
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	599.66	36.61
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	637.81	36.61
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	660.70	36.61
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	698.85	36.61
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	729.37	36.61
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	767.52	36.61
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	828.56	36.61
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	851.44	36.61
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	904.85	36.61
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	676.68	40.77
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	707.20	40.77
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	737.72	40.77
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	783.50	40.77
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	829.27	40.77
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	875.05	40.77

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	913.20	40.77
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	951.35	40.77
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	1,020.02	40.77
12 22 13 00-0082		>216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	746.06	44.95
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	799.47	44.95
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	822.36	44.95
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	868.13	44.95
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	921.54	44.95
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	967.32	44.95
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	1,013.10	44.95
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	1,058.88	44.95
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	1,135.17	44.95
12 22 16		**Drapery Track And Accessories** *(12 22)*		
12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	99.56	36.67
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	113.38	36.67
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	133.33	40.75
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	176.49	40.75
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	184.97	44.83
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	112.80	36.67
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	121.73	36.67
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	154.35	40.75
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	176.62	44.83
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	135.55	36.67
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	162.61	36.67
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	201.71	40.75
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	218.94	44.83
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	7.47	1.67
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	24.45	
12 23		Interior Shutters *(12 20)*		
12 23 00 00-0001		Interior Plantation Shutters *(12 23)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002		12" Wide *(12 23 00 00-0001)*		
12 23 00 00-0003	PR	12" x 36" Plantation Shutter	127.03	28.00
12 23 00 00-0004	PR	12" x 40" Plantation Shutter	140.10	29.40
12 23 00 00-0005	PR	12" x 44" Plantation Shutter	152.05	30.80
12 23 00 00-0006	PR	12" x 48" Plantation Shutter	164.02	32.20
12 23 00 00-0007	PR	12" x 52" Plantation Shutter	175.97	33.61
12 23 00 00-0008	PR	12" x 56" Plantation Shutter	187.93	35.00
12 23 00 00-0009	PR	12" x 60" Plantation Shutter	189.79	36.40
12 23 00 00-0010	PR	12" x 64" Plantation Shutter	211.84	37.80
12 23 00 00-0011	PR	12" x 68" Plantation Shutter	223.79	39.20
12 23 00 00-0012	PR	12" x 72" Plantation Shutter	235.76	40.60
12 23 00 00-0013	PR	12" x 76" Plantation Shutter	247.71	42.00
12 23 00 00-0014	PR	12" x 80" Plantation Shutter	259.67	43.41
12 23 00 00-0015		14" Wide *(12 23 00 00-0001)*		
12 23 00 00-0016	PR	14" x 36" Plantation Shutter	131.51	28.00
12 23 00 00-0017	PR	14" x 40" Plantation Shutter	144.59	29.40
12 23 00 00-0018	PR	14" x 44" Plantation Shutter	156.54	30.80
12 23 00 00-0019	PR	14" x 48" Plantation Shutter	168.51	32.20
12 23 00 00-0020	PR	14" x 52" Plantation Shutter	181.57	33.61
12 23 00 00-0021	PR	14" x 56" Plantation Shutter	193.54	35.00
12 23 00 00-0022	PR	14" x 60" Plantation Shutter	205.49	36.40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0023	PR	14" x 64" Plantation Shutter	218.57	37.80
12 23 00 00-0024	PR	14" x 68" Plantation Shutter	230.52	39.20
12 23 00 00-0025	PR	14" x 72" Plantation Shutter	242.49	40.60
12 23 00 00-0026	PR	14" x 76" Plantation Shutter	255.56	42.00
12 23 00 00-0027	PR	14" x 80" Plantation Shutter	267.52	43.41
12 23 00 00-0028		**15" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0029	PR	15" x 36" Plantation Shutter	136.00	28.00
12 23 00 00-0030	PR	15" x 40" Plantation Shutter	149.07	29.40
12 23 00 00-0031	PR	15" x 44" Plantation Shutter	161.02	30.80
12 23 00 00-0032	PR	15" x 48" Plantation Shutter	172.99	32.20
12 23 00 00-0033	PR	15" x 52" Plantation Shutter	186.05	33.61
12 23 00 00-0034	PR	15" x 56" Plantation Shutter	199.14	35.00
12 23 00 00-0035	PR	15" x 60" Plantation Shutter	212.21	36.40
12 23 00 00-0036	PR	15" x 64" Plantation Shutter	225.29	37.80
12 23 00 00-0037	PR	15" x 68" Plantation Shutter	238.37	39.20
12 23 00 00-0038	PR	15" x 72" Plantation Shutter	250.34	40.60
12 23 00 00-0039	PR	15" x 76" Plantation Shutter	263.41	42.00
12 23 00 00-0040	PR	15" x 80" Plantation Shutter	276.49	43.41
12 23 00 00-0041		**16" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0042	PR	16" x 36" Plantation Shutter	142.73	28.00
12 23 00 00-0043	PR	16" x 40" Plantation Shutter	156.92	29.40
12 23 00 00-0044	PR	16" x 44" Plantation Shutter	169.99	30.80
12 23 00 00-0045	PR	16" x 48" Plantation Shutter	184.20	32.20
12 23 00 00-0046	PR	16" x 52" Plantation Shutter	197.26	33.61
12 23 00 00-0047	PR	16" x 56" Plantation Shutter	210.35	35.00
12 23 00 00-0048	PR	16" x 60" Plantation Shutter	223.42	36.40
12 23 00 00-0049	PR	16" x 64" Plantation Shutter	238.75	37.80
12 23 00 00-0050	PR	16" x 68" Plantation Shutter	251.82	39.20
12 23 00 00-0051	PR	16" x 72" Plantation Shutter	264.91	40.60
12 23 00 00-0052	PR	16" x 76" Plantation Shutter	279.10	42.00
12 23 00 00-0053	PR	16" x 80" Plantation Shutter	292.18	43.41
12 23 00 00-0054		**18" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0055	PR	18" x 36" Plantation Shutter	152.82	28.00
12 23 00 00-0056	PR	18" x 40" Plantation Shutter	167.01	29.40
12 23 00 00-0057	PR	18" x 44" Plantation Shutter	181.20	30.80
12 23 00 00-0058	PR	18" x 48" Plantation Shutter	196.53	32.20
12 23 00 00-0059	PR	18" x 52" Plantation Shutter	210.72	33.61
12 23 00 00-0060	PR	18" x 56" Plantation Shutter	226.05	35.00
12 23 00 00-0061	PR	18" x 60" Plantation Shutter	240.24	36.40
12 23 00 00-0062	PR	18" x 64" Plantation Shutter	254.44	37.80
12 23 00 00-0063	PR	18" x 68" Plantation Shutter	268.64	39.20
12 23 00 00-0064	PR	18" x 72" Plantation Shutter	283.97	40.60
12 23 00 00-0065	PR	18" x 76" Plantation Shutter	298.16	42.00
12 23 00 00-0066	PR	18" x 80" Plantation Shutter	313.49	43.41
12 23 00 00-0067		**20" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0068	PR	20" x 36" Plantation Shutter	164.03	28.00
12 23 00 00-0069	PR	20" x 40" Plantation Shutter	180.46	29.40
12 23 00 00-0070	PR	20" x 44" Plantation Shutter	195.77	30.80
12 23 00 00-0071	PR	20" x 48" Plantation Shutter	211.11	32.20
12 23 00 00-0072	PR	20" x 52" Plantation Shutter	227.53	33.61
12 23 00 00-0073	PR	20" x 56" Plantation Shutter	242.87	35.00
12 23 00 00-0074	PR	20" x 60" Plantation Shutter	259.30	36.40
12 23 00 00-0075	PR	20" x 64" Plantation Shutter	274.62	37.80
12 23 00 00-0076	PR	20" x 68" Plantation Shutter	291.06	39.20
12 23 00 00-0077	PR	20" x 72" Plantation Shutter	306.39	40.60
12 23 00 00-0078	PR	20" x 76" Plantation Shutter	322.83	42.00
12 23 00 00-0079	PR	20" x 80" Plantation Shutter	338.15	43.41
12 23 00 00-0080		**22" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0081	PR	22" x 36" Plantation Shutter	173.00	28.00
12 23 00 00-0082	PR	22" x 40" Plantation Shutter	190.55	29.40
12 23 00 00-0083	PR	22" x 44" Plantation Shutter	206.99	30.80
12 23 00 00-0084	PR	22" x 48" Plantation Shutter	1,905.12	32.20
12 23 00 00-0085	PR	22" x 52" Plantation Shutter	240.99	33.61
12 23 00 00-0086	PR	22" x 56" Plantation Shutter	257.44	35.00
12 23 00 00-0087	PR	22" x 60" Plantation Shutter	273.87	36.40
12 23 00 00-0088	PR	22" x 64" Plantation Shutter	291.44	37.80
12 23 00 00-0089	PR	22" x 68" Plantation Shutter	307.88	39.20
12 23 00 00-0090	PR	22" x 72" Plantation Shutter	325.45	40.60
12 23 00 00-0091	PR	22" x 76" Plantation Shutter	341.89	42.00
12 23 00 00-0092	PR	22" x 80" Plantation Shutter	359.45	43.41

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0093		24" Wide *(12 23 00 00-0001)*		
12 23 00 00-0094	PR	24" x 36" Plantation Shutter	181.96	28.00
12 23 00 00-0095	PR	24" x 40" Plantation Shutter	200.64	29.40
12 23 00 00-0096	PR	24" x 44" Plantation Shutter	218.20	30.80
12 23 00 00-0097	PR	24" x 48" Plantation Shutter	236.89	32.20
12 23 00 00-0098	PR	24" x 52" Plantation Shutter	254.44	33.61
12 23 00 00-0099	PR	24" x 56" Plantation Shutter	272.01	35.00
12 23 00 00-0100	PR	24" x 60" Plantation Shutter	289.57	36.40
12 23 00 00-0101	PR	24" x 64" Plantation Shutter	308.26	37.80
12 23 00 00-0102	PR	24" x 68" Plantation Shutter	325.81	39.20
12 23 00 00-0103	PR	24" x 72" Plantation Shutter	344.51	40.60
12 23 00 00-0104	PR	24" x 76" Plantation Shutter	362.07	42.00
12 23 00 00-0105	PR	24" x 80" Plantation Shutter	380.75	43.41

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	11.98	0.55
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	11.98	0.55

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	15.31	0.55

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	11.98	0.55

12 24 13 00-0009 Motorized Lightproof Shades *(12 24 13)*

12 24 13 00-0010	SF	Motorized Lightproof Shades, Up To 144" Width	33.81	2.04

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,136.70	206.72
		For 16 Gauge Stainless Steel, Add	*155.48*	
		For >5 To 9, Deduct	*-37.96*	
		For >9, Deduct	*-75.93*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	1,750.91	206.72
		For 16 Gauge Stainless Steel, Add	*287.53*	
		For >5 To 9, Deduct	*-70.21*	
		For >9, Deduct	*-140.42*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	1,635.01	206.72
		For 16 Gauge Stainless Steel, Add	*262.61*	
		For >5 To 9, Deduct	*-64.13*	
		For >9, Deduct	*-128.25*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	1,519.12	206.72
		For 16 Gauge Stainless Steel, Add	*237.70*	
		For >5 To 9, Deduct	*-58.04*	
		For >9, Deduct	*-116.08*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	1,479.79	206.72
		For 16 Gauge Stainless Steel, Add	*229.24*	
		For >5 To 9, Deduct	*-55.98*	
		For >9, Deduct	*-111.95*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	1,587.27	223.42
		For 16 Gauge Stainless Steel, Add	*245.12*	
		For >5 To 9, Deduct	*-59.86*	
		For >9, Deduct	*-119.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	1,445.86	223.42
		For 16 Gauge Stainless Steel, Add	*214.72*	
		For >5 To 9, Deduct	*-52.43*	
		For >9, Deduct	*-104.86*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,476.82	223.42
		For 16 Gauge Stainless Steel, Add	*221.38*	
		For >5 To 9, Deduct	*-54.06*	
		For >9, Deduct	*-108.11*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	1,620.75	223.42
		For 16 Gauge Stainless Steel, Add	*252.32*	
		For >5 To 9, Deduct	*-61.61*	
		For >9, Deduct	*-123.23*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,057.14	223.42
		For 16 Gauge Stainless Steel, Add	*346.15*	
		For >5 To 9, Deduct	*-84.52*	
		For >9, Deduct	*-169.05*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	2,244.16	223.42
		For 16 Gauge Stainless Steel, Add	*386.36*	
		For >5 To 9, Deduct	*-94.34*	
		For >9, Deduct	*-188.69*	
12 31 16 00-0016		**30" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,425.58	235.43
		For 16 Gauge Stainless Steel, Add	*205.30*	
		For >5 To 9, Deduct	*-50.13*	
		For >9, Deduct	*-100.26*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	1,992.93	235.43
		For 16 Gauge Stainless Steel, Add	*327.28*	
		For >5 To 9, Deduct	*-79.92*	
		For >9, Deduct	*-159.84*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	2,514.68	235.43
		For 16 Gauge Stainless Steel, Add	*439.46*	
		For >5 To 9, Deduct	*-107.31*	
		For >9, Deduct	*-214.62*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,327.65	235.43
		For 16 Gauge Stainless Steel, Add	*399.25*	
		For >5 To 9, Deduct	*-97.49*	
		For >9, Deduct	*-194.98*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	2,211.76	235.43
		For 16 Gauge Stainless Steel, Add	*374.33*	
		For >5 To 9, Deduct	*-91.41*	
		For >9, Deduct	*-182.81*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	1,741.48	235.43
		For 16 Gauge Stainless Steel, Add	*273.22*	
		For >5 To 9, Deduct	*-66.72*	
		For >9, Deduct	*-133.43*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	1,727.25	235.43
		For 16 Gauge Stainless Steel, Add	*270.16*	
		For >5 To 9, Deduct	*-65.97*	
		For >9, Deduct	*-131.94*	
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	1,563.80	244.78
		For 16 Gauge Stainless Steel, Add	*230.86*	
		For >5 To 9, Deduct	*-56.37*	
		For >9, Deduct	*-112.74*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	1,865.89	244.78
		For 16 Gauge Stainless Steel, Add	*295.81*	
		For >5 To 9, Deduct	*-72.23*	
		For >9, Deduct	*-144.46*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	1,754.60	244.78
		For 16 Gauge Stainless Steel, Add	*271.88*	
		For >5 To 9, Deduct	*-66.39*	
		For >9, Deduct	*-132.78*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	2,651.64	244.78
		For 16 Gauge Stainless Steel, Add	*464.74*	
		For >5 To 9, Deduct	*-113.48*	
		For >9, Deduct	*-226.97*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	2,465.04	244.78
		For 16 Gauge Stainless Steel, Add	*424.63*	
		For >5 To 9, Deduct	*-103.69*	
		For >9, Deduct	*-207.38*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	1,643.81	260.14
		For 16 Gauge Stainless Steel, Add	*241.55*	
		For >5 To 9, Deduct	*-58.98*	
		For >9, Deduct	*-117.97*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	2,798.17	260.14
		For 16 Gauge Stainless Steel, Add	*489.74*	
		For >5 To 9, Deduct	*-119.59*	
		For >9, Deduct	*-239.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	2,611.15	260.14
		For 16 Gauge Stainless Steel, Add	*449.53*	
		For >5 To 9, Deduct	*-109.77*	
		For >9, Deduct	*-219.54*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,417.43	260.14
		For 16 Gauge Stainless Steel, Add	*407.88*	
		For >5 To 9, Deduct	*-99.60*	
		For >9, Deduct	*-199.20*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	1,901.54	260.14
		For 16 Gauge Stainless Steel, Add	*296.96*	
		For >5 To 9, Deduct	*-72.51*	
		For >9, Deduct	*-145.03*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	2,011.16	260.14
		For 16 Gauge Stainless Steel, Add	*320.53*	
		For >5 To 9, Deduct	*-78.27*	
		For >9, Deduct	*-156.54*	
12 31 16 00-0037		48" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	2,929.54	266.15
		For 16 Gauge Stainless Steel, Add	*515.49*	
		For >5 To 9, Deduct	*-125.87*	
		For >9, Deduct	*-251.75*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	2,742.94	266.15
		For 16 Gauge Stainless Steel, Add	*475.37*	
		For >5 To 9, Deduct	*-116.08*	
		For >9, Deduct	*-232.16*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	1,775.18	266.15
		For 16 Gauge Stainless Steel, Add	*267.30*	
		For >5 To 9, Deduct	*-65.27*	
		For >9, Deduct	*-130.54*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,549.22	266.15
		For 16 Gauge Stainless Steel, Add	*433.72*	
		For >5 To 9, Deduct	*-105.91*	
		For >9, Deduct	*-211.82*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	2,143.79	266.15
		For 16 Gauge Stainless Steel, Add	*346.55*	
		For >5 To 9, Deduct	*-84.62*	
		For >9, Deduct	*-169.25*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	2,113.66	266.15
		For 16 Gauge Stainless Steel, Add	*340.07*	
		For >5 To 9, Deduct	*-83.04*	
		For >9, Deduct	*-166.08*	
12 31 16 00-0044		60" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	2,099.48	274.26
		For 16 Gauge Stainless Steel, Add	*333.52*	
		For >5 To 9, Deduct	*-81.44*	
		For >9, Deduct	*-162.88*	
12 31 16 00-0046		18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets *(12 31 16 00-0001)*		
12 31 16 00-0047		12" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	820.19	78.70
		For 16 Gauge Stainless Steel, Add	*142.50*	
		For >5 To 9, Deduct	*-34.80*	
		For >9, Deduct	*-69.59*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	820.81	83.47
		For 16 Gauge Stainless Steel, Add	*140.58*	
		For >5 To 9, Deduct	*-34.33*	
		For >9, Deduct	*-68.65*	
12 31 16 00-0050		18" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	861.42	84.62
		For 16 Gauge Stainless Steel, Add	*148.80*	
		For >5 To 9, Deduct	*-36.33*	
		For >9, Deduct	*-72.67*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	815.81	84.62
		For 16 Gauge Stainless Steel, Add	*138.99*	
		For >5 To 9, Deduct	*-33.94*	
		For >9, Deduct	*-67.88*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	951.61	92.05
		For 16 Gauge Stainless Steel, Add	*165.00*	
		For >5 To 9, Deduct	*-40.29*	
		For >9, Deduct	*-80.58*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	923.58	92.05
		For 16 Gauge Stainless Steel, Add	*158.98*	
		For >5 To 9, Deduct	*-38.82*	
		For >9, Deduct	*-77.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0055		**24" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	732.53	93.67
		For 16 Gauge Stainless Steel, Add	*117.23*	
		For >5 To 9, Deduct	*-28.63*	
		For >9, Deduct	*-57.25*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	971.02	93.67
		For 16 Gauge Stainless Steel, Add	*168.50*	
		For >5 To 9, Deduct	*-41.15*	
		For >9, Deduct	*-82.29*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	925.83	93.67
		For 16 Gauge Stainless Steel, Add	*158.79*	
		For >5 To 9, Deduct	*-38.77*	
		For >9, Deduct	*-77.55*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	913.72	87.47
		For 16 Gauge Stainless Steel, Add	*158.79*	
		For >5 To 9, Deduct	*-38.78*	
		For >9, Deduct	*-77.55*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	865.61	87.47
		For 16 Gauge Stainless Steel, Add	*148.45*	
		For >5 To 9, Deduct	*-36.25*	
		For >9, Deduct	*-72.50*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	1,091.13	87.47
		For 16 Gauge Stainless Steel, Add	*196.94*	
		For >5 To 9, Deduct	*-48.09*	
		For >9, Deduct	*-96.18*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	672.31	87.47
		For 16 Gauge Stainless Steel, Add	*106.89*	
		For >5 To 9, Deduct	*-26.10*	
		For >9, Deduct	*-52.20*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	633.78	83.47
		For 16 Gauge Stainless Steel, Add	*100.36*	
		For >5 To 9, Deduct	*-24.51*	
		For >9, Deduct	*-49.02*	
12 31 16 00-0064		**30" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,243.90	99.49
		For 16 Gauge Stainless Steel, Add	*224.65*	
		For >5 To 9, Deduct	*-54.86*	
		For >9, Deduct	*-109.71*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,134.28	99.49
		For 16 Gauge Stainless Steel, Add	*201.08*	
		For >5 To 9, Deduct	*-49.10*	
		For >9, Deduct	*-98.20*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	785.75	99.49
		For 16 Gauge Stainless Steel, Add	*126.15*	
		For >5 To 9, Deduct	*-30.80*	
		For >9, Deduct	*-61.61*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,181.04	91.58
		For 16 Gauge Stainless Steel, Add	*214.53*	
		For >5 To 9, Deduct	*-52.39*	
		For >9, Deduct	*-104.77*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,071.42	91.58
		For 16 Gauge Stainless Steel, Add	*190.97*	
		For >5 To 9, Deduct	*-46.63*	
		For >9, Deduct	*-93.26*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	722.90	91.58
		For 16 Gauge Stainless Steel, Add	*116.03*	
		For >5 To 9, Deduct	*-28.33*	
		For >9, Deduct	*-56.67*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	683.98	87.28
		For 16 Gauge Stainless Steel, Add	*109.54*	
		For >5 To 9, Deduct	*-26.75*	
		For >9, Deduct	*-53.50*	
12 31 16 00-0072		**36" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,292.78	102.36
		For 16 Gauge Stainless Steel, Add	*233.94*	
		For >5 To 9, Deduct	*-57.12*	
		For >9, Deduct	*-114.25*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,180.65	102.36
		For 16 Gauge Stainless Steel, Add	*209.83*	
		For >5 To 9, Deduct	*-51.24*	
		For >9, Deduct	*-102.47*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	834.63	102.36
		For 16 Gauge Stainless Steel, Add	*135.43*	
		For >5 To 9, Deduct	*-33.07*	
		For >9, Deduct	*-66.14*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,228.75	93.67
		For 16 Gauge Stainless Steel, Add	*223.91*	
		For >5 To 9, Deduct	*-54.68*	
		For >9, Deduct	*-109.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,119.55	93.67
		For 16 Gauge Stainless Steel, Add	*200.44*	
		For >5 To 9, Deduct	*-48.94*	
		For >9, Deduct	*-97.89*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	770.61	93.67
		For 16 Gauge Stainless Steel, Add	*125.41*	
		For >5 To 9, Deduct	*-30.62*	
		For >9, Deduct	*-61.25*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	732.41	89.20
		For 16 Gauge Stainless Steel, Add	*119.11*	
		For >5 To 9, Deduct	*-29.08*	
		For >9, Deduct	*-58.17*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,370.07	128.79
		For 16 Gauge Stainless Steel, Add	*239.23*	
		For >5 To 9, Deduct	*-58.42*	
		For >9, Deduct	*-116.83*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,367.21	121.53
		For 16 Gauge Stainless Steel, Add	*241.72*	
		For >5 To 9, Deduct	*-59.02*	
		For >9, Deduct	*-118.05*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,255.92	121.53
		For 16 Gauge Stainless Steel, Add	*217.79*	
		For >5 To 9, Deduct	*-53.18*	
		For >9, Deduct	*-106.36*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	908.23	121.53
		For 16 Gauge Stainless Steel, Add	*143.04*	
		For >5 To 9, Deduct	*-34.93*	
		For >9, Deduct	*-69.86*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,280.22	102.07
		For 16 Gauge Stainless Steel, Add	*231.36*	
		For >5 To 9, Deduct	*-56.50*	
		For >9, Deduct	*-112.99*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,169.76	102.07
		For 16 Gauge Stainless Steel, Add	*207.61*	
		For >5 To 9, Deduct	*-50.70*	
		For >9, Deduct	*-101.39*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	822.07	102.07
		For 16 Gauge Stainless Steel, Add	*132.86*	
		For >5 To 9, Deduct	*-32.44*	
		For >9, Deduct	*-64.88*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	1,218.59	128.79
		For 16 Gauge Stainless Steel, Add	*205.55*	
		For >5 To 9, Deduct	*-50.19*	
		For >9, Deduct	*-100.38*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,415.10	124.21
		For 16 Gauge Stainless Steel, Add	*250.83*	
		For >5 To 9, Deduct	*-61.25*	
		For >9, Deduct	*-122.50*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,305.48	124.21
		For 16 Gauge Stainless Steel, Add	*227.27*	
		For >5 To 9, Deduct	*-55.50*	
		For >9, Deduct	*-110.99*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	956.95	124.21
		For 16 Gauge Stainless Steel, Add	*152.33*	
		For >5 To 9, Deduct	*-37.20*	
		For >9, Deduct	*-74.39*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,326.49	103.02
		For 16 Gauge Stainless Steel, Add	*240.86*	
		For >5 To 9, Deduct	*-58.82*	
		For >9, Deduct	*-117.63*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,217.28	103.02
		For 16 Gauge Stainless Steel, Add	*217.38*	
		For >5 To 9, Deduct	*-53.08*	
		For >9, Deduct	*-106.16*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	868.34	103.02
		For 16 Gauge Stainless Steel, Add	*142.36*	
		For >5 To 9, Deduct	*-34.76*	
		For >9, Deduct	*-69.53*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: 16 gauge countertops without sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Marine Edge and Splash	70.75	5.24
		For 14 Gauge Stainless Steel, Add	*13.32*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Marine Edge and With Splash	66.15	5.24
		For 14 Gauge Stainless Steel, Add	*12.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0100	SF	16 Gauge Stainless Steel Countertop Without Marine Edge or Splash	61.97	5.24
		For 14 Gauge Stainless Steel, Add	*11.37*	
12 31 16 00-0101		Stainless Steel Wall Panels *(12 31 16 00-0096)*		
12 31 16 00-0102	SF	Stainless Steel Wall Panel, 20 Gauge	25.02	7.82
		For 18 Gauge Stainless Steel, Add	*2.56*	
		For 16 Gauge Stainless Steel, Add	*4.92*	
12 31 16 00-0103		Pedestal Legs *(12 31 16 00-0096)*		
12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	175.04	11.93
12 31 16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	199.59	23.17

12 35 Specialty Casework *(12 30)*

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001		Modular Casework *(12 35 70 13)*		
		Note: Midmark.		
12 35 70 13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624	526.52	69.39
12 35 70 13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624	653.29	86.74
12 35 70 13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624	901.22	69.39
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624	1,036.98	86.74
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624	593.22	69.39
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624	795.67	86.74
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624	595.47	69.39
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624	639.68	69.39
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624	677.90	69.39
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624	847.38	86.74
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624	860.12	86.74
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624	792.56	69.39
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624	922.32	86.74
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624	950.05	86.74
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624	695.89	69.39
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624	715.37	69.39
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624	765.58	69.39
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624	1,267.79	86.74
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624	1,338.24	86.74
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624	892.23	69.39
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624	943.94	69.39
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624	1,033.12	69.39
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424	1,832.88	208.18
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424	1,688.24	208.18
12 35 70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501	71.31	17.35
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014	388.63	69.39
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014	381.89	69.39
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014	405.87	69.39
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014	438.09	69.39
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014	474.82	69.39
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014	545.37	86.74
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014	589.59	86.74
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014	718.48	86.74
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014	796.42	86.74
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	100.08	13.90
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	193.39	18.53
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	29.05	11.59

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001		Plastic Laminate Countertops *(12 36 23 13)* Note: Includes plywood, MDF, or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	15.65	9.26
12 36 23 13-0003	SF	Plastic Laminate Countertop With Backsplash	20.50	9.26
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	15.64	2.78
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop	77.21	

12 36 61 Simulated Stone Countertops *(12 36)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16		**Solid Surfacing Countertops** *(12 36 61)*		
12 36 61 16-0001		Solid Surface Countertops *(12 36 61 16)*		
12 36 61 16-0002		Solid Surface Countertops *(12 36 61 16-0001)*		
		Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF	1/4" Solid Polyester (Corian) Backsplash, Group B Colors	31.35	6.18
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	*10.19*	
		For >50 To 100, Add	*5.96*	
		For Group A Color Material, Deduct	*-4.68*	
		For Group C Color Material, Add	*3.12*	
		For Group D Color Material, Add	*11.71*	
12 36 61 16-0004	SF	1/2" Solid Polyester (Corian) Countertop, Group B Colors	51.22	9.26
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	*16.35*	
		For >50 To 100, Add	*9.85*	
		For Group A Color Material, Deduct	*-5.92*	
		For Group C Color Material, Add	*3.94*	
		For Group D Color Material, Add	*14.79*	
		For Each LF Of Half Round Edge, Add	*8.00*	
		For Each LF Of Ogee Or Full Round Edge, Add	*12.00*	
		For Each LF Of Machining A Cove At Backsplash, Add	*10.00*	
		For Each Sink, Range Or Vanity Cutout, Add	*15.00*	
		For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*137.27*	
		For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*173.56*	
		For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*126.71*	
		For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*120.77*	
		For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*173.56*	
		For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*173.56*	
		For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*173.56*	
		For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*173.56*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	*156.41*	
		Note: Single or double bowl.		
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	*271.90*	
		Note: Single or double bowl.		
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	*364.29*	
		Note: Single or double bowl.		
		For >3 SF Integral Single Basin Kitchen Sink, Add	*394.64*	
		Note: Single or double bowl.		
		For >3 SF Integral Double Basin Kitchen Sink, Add	*394.64*	

12 40 Furnishings And Accessories *(12)*

12 48 Rugs And Mats *(12 40)*

12 48 13 Entrance Floor Mats And Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001		Floor Mats *(12 48 13 13)*		
12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	12.53	2.04
		For Colors, Add	*1.69*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	15.14	2.04
		For Colors, Add	*2.21*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	13.18	2.04
		For Colors, Add	*1.82*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	15.79	2.04
		For Colors, Add	*2.34*	
12 48 13 13-0006		Link Mats *(12 48 13 13)*		
		Note: Includes nosing.		
12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	25.55	2.04
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	13.02	2.04
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	12.67	2.04
12 48 13 13-0010	SF	Vinyl Link Mats, Color	13.99	2.04
12 48 13 13-0011	LF	Rubber Nosing	4.07	0.89
12 48 13 13-0012		Duckboard *(12 48 13 13)*		
12 48 13 13-0013	SF	Aluminum Slats	36.68	2.41
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	13.46	2.41
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	14.73	2.41
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	14.37	2.41
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	7.86	2.41
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	10.27	2.41

12 48 13 16 Entrance Floor Mat Frames *(12 48 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 16-0001		Recessed Frames *(12 48 13 16)*		
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	17.53	3.71
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	15.02	3.71

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001 Wall Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	273.88	65.32
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	304.02	65.32
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	325.12	65.32

12 55 13 00-0005 Floor Supported Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	273.88	65.32
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	304.02	65.32
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	325.12	65.32
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	591.00	89.36
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	508.54	89.36

12 55 13 00-0011 Floor Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	273.88	65.32
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	304.02	65.32
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	325.12	65.32

12 55 13 00-0015 Single Stackable Bunks *(12 55 13)*
Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	279.91	65.32
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	288.95	65.32

12 55 13 00-0018 Double Bunks *(12 55 13)*
Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	468.15	87.09
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	474.18	87.09
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	499.80	87.09
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	927.72	134.04
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	845.26	134.04

12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds *(12 55 13)*
Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.

12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer	124.10	32.66
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer	188.75	34.84

12 55 13 00-0027 Expanded Metal Convertible Beds *(12 55 13)*
Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.

12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	280.57	65.32
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	293.08	65.32
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	305.57	65.32
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	40.52	

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat *(12 55 16)*
Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.

12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	764.16	69.68
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	966.11	69.68

12 55 16 00-0004 Institutional Desk And Seat *(12 55 16)*

12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	755.90	89.36
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	673.45	89.36
12 55 16 00-0007	EA	Institutional Desk, Up To 20	673.45	89.36
12 55 16 00-0008	EA	Institutional Desk, Over 20	591.00	89.36

12 55 19 Detention Stools *(12 55)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 19 00-0001		**Heavy Duty Steel Bench** *(12 55 19)* Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	253.79	52.26
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	301.69	56.61
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	332.92	60.96
12 55 19 00-0005		**Stationary Stools** *(12 55 19)* Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA	12" Diameter Stainless Steel Stationary Stool, 18" High	203.25	52.26
12 55 19 00-0007	EA	Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	207.19	35.75
12 55 19 00-0008	EA	Floor Mounted Stool, 8" x 8" x 20"H, Over 20	220.47	35.75
12 55 19 00-0009	EA	Wall Mounted Swivel Stool, Up To 20	287.25	44.68
12 55 19 00-0010	EA	Wall Mounted Swivel Stool, Over 20	237.78	44.68
12 55 19 00-0011		**Cell Bench** *(12 55 19)* Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	248.60	52.34
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	295.14	56.61
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	325.58	60.96
12 55 23		**Detention Tables** *(12 55)*		
12 55 23 00-0001		**Wall Mounted Table And Seat Set** *(12 55 23)* Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	200.10	37.02
12 55 23 00-0003		**Heavy Duty Picnic Style Table** *(12 55 23)* Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	620.54	65.32
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	779.96	69.68
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	868.41	76.21
12 55 23 00-0007	EA	Picnic Table, 72" x 24" Up To 20	1,391.17	120.63
12 55 23 00-0008	EA	Picnic Table, 72" x 24" Over 20	1,226.26	120.63
12 55 23 00-0009		**Heavy Duty Picnic Style Table** *(12 55 23)* Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0010	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,035.03	65.32
12 55 23 00-0011	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,458.22	69.68
12 55 23 00-0012	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,546.66	76.21
12 55 23 00-0013		**Heavy Duty Pedestal Style Table** *(12 55 23)* Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0014	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	545.97	54.44
12 55 23 00-0015	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	863.64	58.79
12 55 23 00-0016	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	1,261.12	65.32
12 55 23 00-0017	EA	12" Diameter Stainless Steel Replacement Seat	46.11	8.70
12 55 23 00-0018		**Heavy Duty Pedestal Style Table** *(12 55 23)* Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0019	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	674.08	54.44
12 55 23 00-0020	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	1,134.94	58.79
12 55 23 00-0021	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	1,630.39	65.32
12 55 23 00-0022	EA	12" Diameter Gray-Primed Steel Replacement Seats	34.84	8.70
12 55 23 00-0023	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,190.53	102.76
12 55 23 00-0024	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,025.62	102.76
12 55 23 00-0025	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,538.21	111.70
12 55 23 00-0026	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,373.30	111.70
12 55 23 00-0027	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,215.72	120.63
12 55 23 00-0028	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,885.90	120.63
12 55 26		**Detention Safety Clothes Hooks** *(12 55)*		
12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	53.33	19.08
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	48.26	17.42
12 55 26 00-0003	EA	8" x 18" Storage Shelf Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.	206.52	34.84
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	236.40	35.75
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	195.17	35.75
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	97.93	20.11
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	114.34	20.11
12 55 86		**Detention Control Room Furniture** *(12 55)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 86 00-0001	EA	TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm	224.56	71.54
12 55 86 00-0002	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	463.86	67.02
12 55 86 00-0003	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	422.63	67.02
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,043.07	26.81
		Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	456.96	22.34
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	224.70	13.40
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	269.70	11.17

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	154.17	4.67
		For Tackable Acoustical Barrier Panel, Add	*30.10*	
		For Acoustical Panel, Add	*32.71*	
		For Enameled Surface, Deduct	*-13.09*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	171.35	5.20
		For Tackable Acoustical Barrier Panel, Add	*33.45*	
		For Acoustical Panel, Add	*36.36*	
		For Enameled Surface, Deduct	*-14.54*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	183.22	5.54
		For Tackable Acoustical Barrier Panel, Add	*35.77*	
		For Acoustical Panel, Add	*38.88*	
		For Enameled Surface, Deduct	*-15.55*	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	205.31	6.21
		For Tackable Acoustical Barrier Panel, Add	*40.08*	
		For Acoustical Panel, Add	*43.56*	
		For Enameled Surface, Deduct	*-17.43*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	156.63	4.74
		For Tackable Acoustical Barrier Panel, Add	*30.57*	
		For Acoustical Panel, Add	*33.23*	
		For Enameled Surface, Deduct	*-13.29*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	177.08	5.35
		For Tackable Acoustical Barrier Panel, Add	*34.57*	
		For Acoustical Panel, Add	*37.57*	
		For Enameled Surface, Deduct	*-15.03*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	198.35	6.01
		For Tackable Acoustical Barrier Panel, Add	*38.72*	
		For Acoustical Panel, Add	*42.09*	
		For Enameled Surface, Deduct	*-16.83*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	233.11	7.04
		For Tackable Acoustical Barrier Panel, Add	*45.51*	
		For Acoustical Panel, Add	*49.46*	
		For Enameled Surface, Deduct	*-19.79*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	150.91	4.56
		For Tackable Acoustical Barrier Panel, Add	*29.46*	
		For Acoustical Panel, Add	*32.02*	
		For Enameled Surface, Deduct	*-12.81*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	185.68	5.62
		For Tackable Acoustical Barrier Panel, Add	*36.25*	
		For Acoustical Panel, Add	*39.40*	
		For Enameled Surface, Deduct	*-15.76*	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	232.30	7.03
		For Tackable Acoustical Barrier Panel, Add	*45.35*	
		For Acoustical Panel, Add	*49.29*	
		For Enameled Surface, Deduct	*-19.72*	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	278.09	8.41
		For Tackable Acoustical Barrier Panel, Add	*54.29*	
		For Acoustical Panel, Add	*59.01*	
		For Enameled Surface, Deduct	*-23.60*	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	8.42	0.25
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	8.42	0.25
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	8.97	0.27
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	38.73	1.17
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	44.90	1.35
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	51.65	1.56
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	60.07	1.82
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	69.61	2.11
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	80.83	2.45
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	75.79	2.29
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	88.68	2.68
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	106.65	3.23
12 59 13 00-0026	EA	34" Panel End Cap Hardware	12.92	0.39
12 59 13 00-0027	EA	42" Panel End Cap Hardware	14.60	0.44
12 59 13 00-0028	EA	62" Panel End Cap Hardware	15.72	0.47
12 59 13 00-0029	EA	28" Variable Height Panel End Filler	14.25	0.44
		Note: Field cut to appropriate length.		
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	7.33	0.22
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	7.73	0.24
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	8.95	0.27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	7.33	0.22
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	15.06	0.46
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	17.10	0.51
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	17.50	0.52
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	19.54	0.59
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	21.97	0.66
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	118.19	3.56
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	145.59	4.39
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	137.42	4.16
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	171.77	5.20
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	173.40	5.25
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	218.39	6.62
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	210.61	6.37
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	264.59	8.00
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	470.03	14.23
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	513.63	15.55
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	56.44	1.72
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	64.20	1.94
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	71.97	2.18
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	89.55	2.72
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	107.55	3.26
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	188.13	5.69
12 59 13 00-0055	EA	Transaction Surface Support	14.91	0.45
12 59 13 00-0056	EA	Plastic Pencil Drawer	16.43	0.44
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	54.95	1.67
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	59.82	1.80
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	63.90	1.94
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	94.82	2.87
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	110.69	3.36
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	126.98	3.83
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	327.12	9.83
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	345.51	10.39
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	364.56	10.97
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	398.71	11.99
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	148.14	4.48
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	23.19	0.71
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	187.16	5.67
12 59 13 00-0070	EA	File Drawer Organizer	60.24	1.82
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	13.02	0.39
12 59 13 00-0072	EA	Utility Task Light	65.11	1.97

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	11.67	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	12.97	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	13.86	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	15.54	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	11.85	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	13.40	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	15.01	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	17.64	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	11.42	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	14.06	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	17.58	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	21.05	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	0.64	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	0.64	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	0.68	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	2.93	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	3.40	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	3.91	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	4.54	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	5.27	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	6.12	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	5.74	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	6.71	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	8.08	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	0.97	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	1.10	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	1.19	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	1.07	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	0.55	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	0.58	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	0.68	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	0.55	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	1.14	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	1.29	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	1.32	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	1.47	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	1.67	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	8.94	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	11.02	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	10.40	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	13.00	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	13.12	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	16.52	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	15.94	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	20.02	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	30.92	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	38.86	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	4.27	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	4.86	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	5.45	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	6.78	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	8.14	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	14.24	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	1.12	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	1.11	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	4.15	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	4.52	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	4.84	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	7.17	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	8.38	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	9.61	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	24.59	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	25.97	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	27.41	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	29.98	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	11.22	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	14.17	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	4.93	

12 59 13 00-0142 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	12.44	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	13.82	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	14.78	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	16.56	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	12.64	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	14.29	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	16.00	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	18.81	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	12.18	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	14.98	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	18.74	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	22.44	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	0.68	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	0.68	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	0.72	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	3.13	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	3.62	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	4.16	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	4.85	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	5.62	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	6.52	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	6.11	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	7.15	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	8.61	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	1.04	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	1.17	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	1.26	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	1.15	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	0.59	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	0.62	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	0.72	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	0.59	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	1.21	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	1.38	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	1.41	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	1.58	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	1.78	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	9.54	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	11.75	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	11.09	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	13.85	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	13.99	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	17.62	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	16.99	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	21.35	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	37.92	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	41.44	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	4.55	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	5.18	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	5.81	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	7.22	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	8.68	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	15.18	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	1.20	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	4.43	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	4.83	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	5.16	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	7.65	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	8.93	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	10.24	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	26.23	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	27.71	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	29.23	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	31.97	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	15.10	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Fixed Back Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4) Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.	435.63	38.83
		For >100, Deduct	*-56.97*	
		For Table Arm Attachment, Add	*54.34*	
		For Aisle Panel, Add	*94.97*	
		For Epoxy Anchoring, Add	*16.42*	
		For <25, Add	*94.83*	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4) Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.	556.60	38.83
		For >100, Deduct	*-76.59*	
		For Table Arm Attachment, Add	*54.34*	
		For Aisle Panel, Add	*94.97*	
		For Epoxy Anchoring, Add	*16.42*	
		For <25, Add	*127.49*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30) Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.	322.81	38.83
		For >100, Deduct	*-38.67*	
		For Table Arm Attachment, Add	*54.34*	
		For Aisle Panel, Add	*94.97*	
		For Epoxy Anchoring, Add	*16.42*	
		For <25, Add	*64.37*	

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

12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4) Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.	479.03	38.83
		For >100, Deduct	*-64.01*	
		For Table Arm Attachment, Add	*54.34*	
		For Aisle Panel, Add	*94.97*	
		For Epoxy Anchoring, Add	*16.42*	
		For <25, Add	*106.55*	

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0002		**Non-Elevated Portable Aluminum Bleacher** *(12 62 23 00-0001)*		
12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat	47.02	3.41
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	
12 62 23 00-0004		**Non-Elevated Portable Aluminum Bleacher** *(12 62 23 00-0001)*		
		Note: Includes side and back fence.		
12 62 23 00-0005	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher	58.90	3.41
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	66.32	3.58
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	69.27	3.75
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0008		**Non-Elevated Portable Aluminum Bleacher** *(12 62 23 00-0001)*		
		Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher	87.33	3.83
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	98.95	4.03
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	106.98	4.27
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

END OF SECTION 12

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	17,900.43	2,316.88
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	20,407.43	2,316.88
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	10,359.04	926.75
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	12,331.84	926.75
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	3,861.63	430.01

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	3,734.04	342.90
		For Wheel Adjuster, Add	*109.27*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	1,914.38	342.90
		For Wheel Adjuster, Add	*109.27*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	1,169.28	284.51
		For Wheel Adjuster, Add	*102.78*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	1,451.01	303.98
		For Wheel Adjuster, Add	*104.93*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	1,728.36	324.36
		For Wheel Adjuster, Add	*107.18*	

13 11 46 00-0013 Heavy Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	968.00	132.52
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	1,434.81	132.52
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	1,112.58	152.92
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	1,760.64	152.92

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	2,333.40	342.90
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	3,261.56	342.90

13 11 46 00-0021 Underwater Lights *(13 11 46)*

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	492.42	114.54
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	480.32	114.54

13 11 46 00-0024 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	10.78	4.76
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	11.01	4.76

13 11 46 00-0027 Slides With Water Tube *(13 11 46)*

13 11 46 00-0028	EA	Swim Pool Slide	2,294.64	521.29

13 11 46 00-0029 Curved Slides With Water Tube *(13 11 46)*

13 11 46 00-0030	EA	8 Ft Curved With Continuous Flowing Water	1,745.46	709.24

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

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

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,168.04	134.78
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,401.52	137.74
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,432.41	141.08
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,553.81	144.41
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,676.08	148.11
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	5,804.94	151.81
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	6,651.59	155.88
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,385.21	159.96
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,363.03	164.40
13 12 13 00-0011	EA	Aerator Nozzle	512.09	74.06

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

See CSI section 11 41 23 00-0000 for refrigerated controlled environment rooms.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands And Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	65.66	6.82

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	100.54	7.68

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.45	5.91
		For 30' To 49' In Length Only, Add	*2.07*	
		For 50' To 69' In Length Only, Add	*1.13*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.89*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.87	6.50
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.16*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.13*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.62*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.16*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.46	7.16
		For 30' To 49' In Length Only, Add	*2.19*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.63*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.23	7.83
		For 30' To 49' In Length Only, Add	*2.29*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.89*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.07	8.51
		For 30' To 49' In Length Only, Add	*2.41*	
		For 50' To 69' In Length Only, Add	*1.32*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.81*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.35*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.04*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.80	9.13
		For 30' To 49' In Length Only, Add	*2.53*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.86*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.44*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.46*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.47*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.10*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.33	10.48
		For 30' To 49' In Length Only, Add	*2.75*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.97*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.62*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.42*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.15*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.92*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.25*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0002)

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.45	4.70
		For 30' To 49' In Length Only, Add	*1.93*	
		For 50' To 69' In Length Only, Add	*1.05*	
		For 70' To 99' In Length Only, Add	*0.43*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.32*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.60	5.13
		For 30' To 49' In Length Only, Add	*1.99*	
		For 50' To 69' In Length Only, Add	*1.09*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.53*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.57	5.55
		For 30' To 49' In Length Only, Add	*2.03*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.00	6.04
		For 30' To 49' In Length Only, Add	*2.14*	
		For 50' To 69' In Length Only, Add	*1.17*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.76	6.50
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.28*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.14*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.71*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.32*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.36	6.94
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.36*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.63*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.65	7.83
		For 30' To 49' In Length Only, Add	*2.64*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0019		>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	12.87	2.91
		For 30' To 49' In Length Only, Add	*1.69*	
		For 50' To 69' In Length Only, Add	*0.92*	
		For 70' To 99' In Length Only, Add	*0.38*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.54*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	13.45	3.09
		For 30' To 49' In Length Only, Add	*1.74*	
		For 50' To 69' In Length Only, Add	*0.95*	
		For 70' To 99' In Length Only, Add	*0.39*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.01*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.02	3.27
		For 30' To 49' In Length Only, Add	*1.80*	
		For 50' To 69' In Length Only, Add	*0.98*	
		For 70' To 99' In Length Only, Add	*0.40*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.37*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.68*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.81	3.45
		For 30' To 49' In Length Only, Add	*1.90*	
		For 50' To 69' In Length Only, Add	*1.04*	
		For 70' To 99' In Length Only, Add	*0.43*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.78*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.44	3.63
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.07*	
		For 70' To 99' In Length Only, Add	*0.44*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.85*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.02	3.80
		For 30' To 49' In Length Only, Add	*2.02*	
		For 50' To 69' In Length Only, Add	*1.10*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.53	4.16
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.71*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.10*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.33*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.21*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.71	4.70
		For 30' To 49' In Length Only, Add	*1.99*	
		For 50' To 69' In Length Only, Add	*1.09*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.13*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.03	5.13
		For 30' To 49' In Length Only, Add	*2.11*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.86*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.28*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.62*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.32	5.55
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.52*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.98*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.99	6.04
		For 30' To 49' In Length Only, Add	*2.38*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.10*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.14*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.64*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.18*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.45	6.52
		For 30' To 49' In Length Only, Add	*2.50*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.63*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.69*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.82*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.92	6.98
		For 30' To 49' In Length Only, Add	*2.63*	
		For 50' To 69' In Length Only, Add	*1.43*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.87*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.43*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.99*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.73*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.93	7.97
		For 30' To 49' In Length Only, Add	*2.88*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.84*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.40*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.72*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.98*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0036		**>30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings** *(13 34 19 00-0027)*		
13 34 19 00-0037	GSF	10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.97	4.16
		For 30' To 49' In Length Only, Add	*1.83*	
		For 50' To 69' In Length Only, Add	*1.00*	
		For 70' To 99' In Length Only, Add	*0.41*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.04	4.55
		For 30' To 49' In Length Only, Add	*1.91*	
		For 50' To 69' In Length Only, Add	*1.04*	
		For 70' To 99' In Length Only, Add	*0.43*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.66*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.11	4.93
		For 30' To 49' In Length Only, Add	*1.98*	
		For 50' To 69' In Length Only, Add	*1.08*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.77*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.17*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.27	5.28
		For 30' To 49' In Length Only, Add	*2.09*	
		For 50' To 69' In Length Only, Add	*1.14*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.43	5.66
		For 30' To 49' In Length Only, Add	*2.19*	
		For 50' To 69' In Length Only, Add	*1.19*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.59	6.04
		For 30' To 49' In Length Only, Add	*2.28*	
		For 50' To 69' In Length Only, Add	*1.24*	
		For 70' To 99' In Length Only, Add	*0.51*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.10*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.18	6.90
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.36*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.36*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.90*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.59*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0044		>40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0045	GSF	10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	13.83	3.27
		For 30' To 49' In Length Only, Add	*1.75*	
		For 50' To 69' In Length Only, Add	*0.95*	
		For 70' To 99' In Length Only, Add	*0.39*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.66*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.63*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	14.58	3.49
		For 30' To 49' In Length Only, Add	*1.82*	
		For 50' To 69' In Length Only, Add	*1.00*	
		For 70' To 99' In Length Only, Add	*0.41*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.75*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.77*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF	14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.31	3.72
		For 30' To 49' In Length Only, Add	*1.89*	
		For 50' To 69' In Length Only, Add	*1.03*	
		For 70' To 99' In Length Only, Add	*0.43*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.15*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.49*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.84*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.91*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.10	3.94
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.08*	
		For 70' To 99' In Length Only, Add	*0.44*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.10	4.20
		For 30' To 49' In Length Only, Add	*2.08*	
		For 50' To 69' In Length Only, Add	*1.14*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.99	4.44
		For 30' To 49' In Length Only, Add	*2.19*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.16*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.42*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.09	5.04
		For 30' To 49' In Length Only, Add	*2.40*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.96*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.41*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.53	3.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.51	4.12
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.29	4.34
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.95*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.10*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.99	4.03
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.32	4.38
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.69*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.08*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.29*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.16*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.45	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.01*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.31	3.63
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.07*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.40*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.72*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.72*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.43*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.50*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062 GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.09	3.85
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.47*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.81*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.87*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.62*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.52*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063 GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.77	4.03
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.18*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.54*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.89*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.78*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.54*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064 GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.08	4.38
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.10*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.58*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0066 GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.45	3.00
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.62*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.93*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.21*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.49*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.37*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.99*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.43*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.05	3.14
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.65*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.98*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.27*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.57*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.48*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.13*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.44*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.74	3.31
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.03*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.33	3.45
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.51	3.76
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.12	2.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.91*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.18*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.61	3.00
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.95*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.03*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.20	3.14
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.99*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.58*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.17*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.75	3.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.03*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.90	3.54
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.79*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.83*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.04	3.00
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.29*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.52	3.14
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.55	3.05
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.06	3.18
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.65*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.98*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.27*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.57*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.48*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.13*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.65	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.10*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.76*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.78*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*		
13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	11.36	2.74
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.34*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.57*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.85*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.11*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.36*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.16*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	11.74	2.82
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.59*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.41*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.18	2.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.91*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.19*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.46*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.61	3.05
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.95*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.03*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.20	3.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.71*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.70*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.70*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.41*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0090		Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091		Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.90	2.59
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.55*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.82*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.06*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.31*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.07*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.62*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.33*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.39*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.35	2.69
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.34*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.57*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.85*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.11*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.36*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.16*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.72*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.40*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.74	2.78
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.59*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.88*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.14*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.41*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.82*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.41*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.10	2.87
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.91*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.18*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.45*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.90*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.42*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.70	3.14
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.03*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.34*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.64*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.60*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.29*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.44*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.74	2.50
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.32*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.54*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.81*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.05*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.29*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.04*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.58*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.33*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.38*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.12	2.59
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.56*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.08*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.33*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.54	2.69
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.58*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.87*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.38*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.19*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.92	2.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.89*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.43*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.43	3.00
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.01*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.55*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.60	2.41
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.32*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.53*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.80*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.27*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.54*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.32*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.92	2.50
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.55*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.82*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.33*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.33	2.59
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.34*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.57*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.85*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.10*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.36*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.15*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.74	2.69
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.59*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.41*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.26	2.91
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.99*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.52*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 23 00-0000 for door hardware.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	372.45	100.29
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	562.12	129.84
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	656.10	123.12
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	707.15	125.36
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	750.03	129.84
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	359.23	100.29
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	403.75	113.99
13 34 19 00-0118	LF	Additional Girts	8.79	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	8.93	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	10.97	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	12.84	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	15.03	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

13 34 19 00-0124 Roofing Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge standing seam roof panels.

13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.84	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	14.23	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	15.23	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	16.05	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	138.41	38.51
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	19.44	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.02	0.28
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.14	0.28
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.29	0.37
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.49	0.37
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.87	0.37
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.24	0.28
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.36	0.28
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.47	0.37
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.62	0.37
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.94	0.37
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.18	0.28
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.32	0.28
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.56	0.37
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.71	0.37
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.01	0.37
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.09	0.28
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.17	0.28
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.31	0.37
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.63	0.37
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.10	0.28
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.18	0.28
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.33	0.37
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.67	0.37
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.48	0.28
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.58	0.28
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.73	0.37
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.07	0.37
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	27.36	6.98
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	41.02	5.02
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	57.03	11.19
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*13.14*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.44*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	47.68	9.40
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*10.98*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*6.21*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	36.67	8.06
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*8.36*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*4.69*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	71.47	17.02
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	47.40	10.30
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	26.59	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	33.20	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	40.08	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	46.84	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	59.72	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	35.16	
		For 24 Gauge, Add	*3.56*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	43.86	
		For 24 Gauge, Add	*4.49*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	52.81	
		For 24 Gauge, Add	*5.37*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	61.77	
		For 24 Gauge, Add	*6.26*	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	78.82	
		For 24 Gauge, Add	*8.07*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	465.26	139.69
13 34 19 00-0179	EA	12" Rotary Vent With Damper	284.78	89.55
13 34 19 00-0180	EA	20" Rotary Vent With Damper	483.15	119.54
13 34 19 00-0181	EA	24" Rotary Vent With Damper	628.28	134.32
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	732.51	179.09
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	775.12	179.09
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	886.62	179.09

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	960.02	179.09
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,040.75	179.09
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,121.49	179.09
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,467.92	223.87
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,600.03	223.87
13 34 19 00-0190		Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	8.32	2.24
		For Galvanized Instead Of Painted, Deduct	*-0.96*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	7.80	3.14
		For Galvanized Instead Of Painted, Deduct	*-0.38*	
13 34 23		**Fabricated Structures** *(13 34)*		
13 34 23 13		**Portable And Mobile Buildings** *(13 34 23)*		
		Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001		Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	364.92	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	313.06	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	250.59	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	198.25	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	177.17	
13 34 23 13-0007		Relocate Trailer Within 5 Miles *(13 34 23 13)*		
		Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008	EA	Relocate Single Trailer Within 5 Miles	914.75	
13 34 23 13-0009	SF	Install Under-Pinning	2.79	
13 34 23 13-0010		Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011	SF	Single Trailer Up To 14' x 73'	37.15	
		For Each Delivery And Set-Up (Block And Level), Add	*1,161.36*	
		For Each Knock-Down And Pick-Up, Add	*881.36*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0012	SF	Modular Trailers, Connected	52.00	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,564.31*	
		For Each Knock-Down And Pick-Up, Add	*1,914.31*	
13 34 23 13-0013	EA	Add Per Additional Exterior Door With Frame And Hardware	557.18	
13 34 23 13-0014		Accessories *(13 34 23 13)*		
13 34 23 13-0015		Skirting *(13 34 23 13-0014)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016		Vinyl Covered, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0017	SF	1'-8" High Vinyl Covered Skirt	3.72	1.59
13 34 23 13-0018	SF	3' High Vinyl Covered Skirt	5.60	2.61
13 34 23 13-0019		Fiberglass, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0020	SF	1'-8" High Fiberglass Skirt	7.28	2.99
13 34 23 13-0021	SF	3' High Fiberglass Skirt	8.50	3.64
13 34 23 13-0022		Plywood, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0023	SF	1'-8" High 5/8" Plywood Skirt	6.65	3.17
13 34 23 13-0024	SF	3' High 5/8" Plywood Skirt	7.88	3.83
13 34 23 13-0025		Steel, Painted, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0026	SF	1'-8" High 26 Gauge Steel Skirt	7.29	2.99
13 34 23 13-0027	SF	3' High 26 Ga. Steel Skirt	8.55	3.64
13 34 23 13-0028		14" x 14" Access Hatch *(13 34 23 13-0014)*		
		Note: Simple design.		
13 34 23 13-0029	EA	14" x 14" Vinyl Covered Access Hatch	182.00	70.00
13 34 23 13-0030	EA	14" x 14" Fiberglass Access Hatch	171.84	70.00
13 34 23 13-0031	EA	14" x 14" Plywood Access Hatch	180.94	70.00
13 34 23 13-0032	EA	14" x 14" 26 Gauge Steel Access Hatch	181.81	70.00

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0033		**Aluminum Modular Access Ramp** *(13 34 23 13-0014)* Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	2,053.45	23.33
13 34 23 13-0035	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	2,081.45	30.33
13 34 23 13-0036	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,268.45	46.67
13 34 23 13-0037	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,595.65	46.67
13 34 23 13-0038	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,163.25	30.33
13 34 23 13-0039	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,135.25	23.33
13 34 23 13-0040	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,979.20	30.33
13 34 23 13-0041	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,123.38	30.33
13 34 23 13-0042	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,123.38	30.33
13 34 23 13-0043	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,412.74	30.33
13 34 23 13-0044	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,700.06	30.33
13 34 23 14		**Fabricated Classroom Buildings** *(13 34 23)*		
13 34 23 14-0001		**Semi Permanent Modular Transportable Buildings** *(13 34 23 14)*		
13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	55.35	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,564.31*	
		For Each Knock-Down And Pick-Up, Add	*1,914.31*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	56.98	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,564.31*	
		For Each Knock-Down And Pick-Up, Add	*1,914.31*	
13 34 23 16		**Fabricated Control Booths** *(13 34 23)*		
13 34 23 16-0001		**Fabricated Parking Attendant Booths** *(13 34 23 16)* Note: Excludes foundations and slab.		
13 34 23 16-0002	EA	Parking Booth For Attendant	1,049.00	
13 34 23 31		**Fabricated Pavilion Style Buildings** *(13 34 23)*		
13 34 23 31-0001		**Pavilion Style Metal Shelter Structures** *(13 34 23 31)* Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002	EA	12' x 12' Metal Shelter Structure	6,220.66	1,717.12
13 34 23 31-0003	EA	16' x 16' Metal Shelter Structure	7,165.52	1,791.80
13 34 23 31-0004	EA	16' x 32' Metal Shelter Structure	8,907.49	1,911.26
13 34 23 31-0005	EA	20' x 20' Metal Shelter Structure	8,401.94	1,851.53
13 34 23 31-0006	EA	20' x 30' Metal Shelter Structure	10,233.01	2,030.71
13 34 23 31-0007	EA	20' x 40' Metal Shelter Structure	11,989.76	2,090.44
13 34 23 31-0008	EA	24' x 24' Metal Shelter Structure	10,053.52	1,911.26
13 34 23 31-0009	EA	24' x 48' Metal Shelter Structure	14,000.26	2,389.07
13 34 23 31-0010	EA	30' x 30' Metal Shelter Structure	13,516.11	2,389.07
13 34 23 31-0011	EA	30' x 60' Metal Shelter Structure	23,855.58	2,986.33
13 34 23 31-0012	EA	40' x 40' Metal Shelter Structure	22,756.38	3,732.25
13 34 23 31-0013	EA	40' x 60' Metal Shelter Structure	32,105.92	4,180.86

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

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

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	11,954.71	688.99
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	16,984.55	922.58
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	73.73	6.54
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	56.35	6.54
13 42 63 16-0005	SF	Perforated Metal Crime Shield	52.12	2.70

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 **Anodes** *(13 47 13 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	282.96	129.94
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	415.88	187.81
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	556.24	241.60
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	787.54	338.05
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)*		
		Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	420.23	185.69
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	632.03	259.30
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	449.92	162.28
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	664.41	216.64
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,404.16	263.51
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,513.62	263.51
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type	2,094.24	304.69
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type	2,211.52	304.69
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	0.85	0.33
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	1,658.95	649.10
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	1,818.79	649.10
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	2,058.54	649.10
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	2,458.13	649.10
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	3,026.18	715.18
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,325.87	715.18
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	3,825.36	715.18
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	5,152.38	779.59
13 47 13 13-0030		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	201.09	75.94

13 47 13 16 Cathodic Protection For Underground Storage Tanks *(13 47 13)*

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

13 48 Sound, Vibration, And Seismic Control *(13 40)*

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

13 48 63 00-0001		Seismic Bracing Assembly *(13 48 63)*		
13 48 63 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	125.02	
13 48 63 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	116.86	
13 48 63 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	175.64	
13 48 63 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	227.43	
13 48 63 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	207.63	
13 48 63 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	308.29	
13 48 63 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	408.95	
13 48 63 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	141.43	
13 48 63 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	208.99	
13 48 63 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	276.56	
13 48 63 00-0012		Seismic Brace Components *(13 48 63)*		
13 48 63 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1 Note: To be used with 7x19 stranded cable.	21.86	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2 Note: To be used with 7x19 stranded cable.	29.11	
13 48 63 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3 Note: To be used with 7x19 stranded cable.	37.81	
13 48 63 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4 Note: To be used with 7x19 stranded cable.	50.83	
13 48 63 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	20.68	
13 48 63 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	27.06	
13 48 63 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	34.80	
13 48 63 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	46.19	
13 48 63 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	24.55	
13 48 63 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	31.61	
13 48 63 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	43.00	
13 48 63 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	41.18	
13 48 63 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	56.89	
13 48 63 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	76.70	
13 48 63 00-0027	EA	Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	17.87	
13 48 63 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	21.52	
13 48 63 00-0029	EA	Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	26.53	
13 48 63 00-0030		Seismic Restraints *(13 48 63)*		
13 48 63 00-0031	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	3.52	0.92
13 48 63 00-0032	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	2.59	0.46
13 48 63 00-0033	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	4.58	1.16
13 48 63 00-0034	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	3.31	0.58
13 48 63 00-0035	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	4.17	0.67
13 48 63 00-0036	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	6.82	0.81
13 48 63 00-0037	LF	3/4" Wide Seismic Strap, Gray	3.09	0.69
13 48 63 00-0038	LF	1" Wide Seismic Strap, Gray	4.36	0.69
13 48 63 00-0039	EA	3/4" Wide x 4" Long Seismic Strap, Gray	1.55	0.46
13 48 63 00-0040	EA	3/4" Wide x 12" Long Seismic Strap, Gray	6.65	1.39
13 48 63 00-0041	LF	Seismic Chord, Black	2.00	0.69
13 48 63 00-0042	LF	SAFELOK Seismic Fastener, Black	2.53	0.69

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*

See CSI section 09 29 00 00-0054 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	30.92	5.56
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	51.65	6.02
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	90.86	6.49
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	172.42	8.34

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 1-Section Barrier, 36"W x 84"H *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	4,678.69	119.25
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	4,963.32	119.25
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	5,124.87	143.09
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	5,466.43	143.09

13 49 16 00-0007 2-Section Barrier, 72"W x 84"H *(13 49 16 00-0001)*

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	10,002.04	190.79
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	10,400.52	190.79
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	10,732.88	214.64
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	11,577.49	238.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0012		3-Section Barrier, 108"W x 84"H *(13 49 16 00-0001)*		
13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	15,163.82	238.48
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	15,903.85	238.48
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	16,283.88	286.18
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	17,470.02	310.03
13 49 16 00-0017		X-Ray Barriers, Mobile *(13 49 16)*		
		Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		30"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0019	EA	24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers	3,177.26	23.17
13 49 16 00-0020		48"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	5,625.07	23.17
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	6,763.58	23.17
13 49 16 00-0023		72"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	6,649.73	23.17
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	8,414.43	23.17
13 49 19		**Lead-Lined Materials** *(13 49)*		
13 49 19 16		**Lead-Lined Drywall** *(13 49 19)*		
13 49 19 16-0001		Lead Lined Drywall *(13 49 19 16)*		
		See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	15.39	1.22
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	27.27	1.46
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	50.62	1.75

END OF SECTION 13

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment *(14)*

14 01 20 Operation And Maintenance Of Elevators *(14 01)*

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

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

14 01 20 71-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	824.30	
14 01 20 71-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	1,030.38	
14 01 20 71-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	618.23	
14 01 20 71-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	669.75	
14 01 20 71-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	180.32	
14 01 20 71-0007	HR	Elevator Servicing, Labor Only	150.50	
14 01 20 71-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	707.25	
14 01 20 71-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	810.29	
14 01 20 71-0010	EA	Full Load Test For Hydraulic Elevator	501.17	
14 01 20 71-0011	EA	Full Load Test For Roped Hydraulic Elevator	629.97	
14 01 20 71-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	578.45	
14 01 20 71-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	3,091.14	
14 01 20 71-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	3,400.25	
14 01 20 71-0015	EA	Acceptance Test Of Hydraulic Elevator	2,936.58	
14 01 20 71-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	3,039.62	
14 01 20 71-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,803.16	

14 01 20 71-0018 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	26,349.21	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 71-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	32,442.89	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 71-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	50,668.51	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 71-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	70,721.91	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 71-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	85,449.09	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 71-0024	EA	Replace Multi-Port Controller Valve System	7,108.88	
14 01 20 71-0025	SET	Car Roller Guide Assembly, Set Of Four	3,020.53	560.04
14 01 20 71-0026	EA	New Door Opening, Excluding Buildback	5,248.74	
14 01 20 71-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	13.78	5.14
14 01 20 71-0028	SF	Cab Flooring, Aluminum Diamond Plate	30.67	7.46
14 01 20 71-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,017.74	373.36
14 01 20 71-0030	EA	Electronic Leveling Device At Stop (Per Stop)	677.46	140.01
14 01 20 71-0031	EA	Hoistway Door Hangers Set	610.06	140.01
14 01 20 71-0032	EA	Hoistway Door Closer Set	283.36	74.67
14 01 20 71-0033	EA	Hoistway Door Interlock Set	443.37	116.68
14 01 20 71-0034	EA	Fire Service Switch Controller	1,348.44	140.01
14 01 20 71-0035	EA	Car Door Operators With ADA Buzzer	5,038.57	186.68
14 01 20 71-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	3,650.28	186.68
14 01 20 71-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	8,798.19	
14 01 20 71-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	370.33	65.34
14 01 20 71-0039	EA	Car Traveling Lanterns With Audible Signal	2,494.37	280.03
14 01 20 71-0040	EA	Hoistway Door Jam Floor Tags (Braille)	97.38	
14 01 20 71-0041	EA	Lobby Vandal Resistant Call Station	527.55	93.34
14 01 20 71-0042	EA	Car Voice Synthesized Floor Announcement Module	2,472.69	
14 01 20 71-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	14.34	7.00
14 01 20 71-0044	LF	Governor Cable	6.36	3.26
14 01 20 71-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	7,754.77	746.73

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0046	EA	Removal And Replacement Of Governor	3,945.31	
14 01 20 71-0047	EA	Removal And Replacement Of Car Station	5,618.43	
14 01 20 71-0048	EA	Removal And Replacement Of Telephone	2,417.69	
14 01 20 71-0049	EA	Removal And Replacement Of Lanterns	1,871.65	
14 01 20 71-0050	EA	Hall Call Buttons, Vandal Resistant	390.86	116.68
14 01 20 71-0051	EA	Hall Traveling Lanterns With Audible Signal	694.27	163.35
14 01 20 71-0052	EA	Add Raised Character (Braille) Signage To Control Panel	58.83	
14 01 20 71-0053	EA	Reprogram Existing Controller, Signal Fixtures	13,871.09	
14 01 20 71-0054	EA	New Walls And Platform, Plastic Laminate, For 5' x 7' Cab	7,270.96	466.70
14 01 20 71-0055	EA	New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab	10,338.36	560.04
14 01 20 71-0056	EA	Replace Elevator Or Hoistway Doors, Baked Enamel	6,551.64	653.38
14 01 20 71-0057	EA	Reopening Device, Manual	2,696.88	326.69
14 01 20 71-0058	EA	Reopening Device, Automatic	12,747.67	326.69
14 01 20 71-0059	EA	Elevator Pit Ladder	1,084.26	373.36
14 01 20 71-0060	EA	New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	7,075.50	466.70
14 01 20 71-0061	LF	Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	13.31	7.00
14 01 20 71-0062	LF	Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7	14.80	7.00
14 01 20 71-0063	LF	Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	16.72	7.00
14 01 20 71-0064	EA	Hydraulic Leak Detector And Alarm In Elevator Pit (Sensorcomm Inc)	4,310.33	142.55
14 01 20 71-0065	LF	6" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	295.47	23.81
14 01 20 71-0066	LF	8" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	158.48	53.56
14 01 20 71-0067	LF	10" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	170.89	53.70
14 01 20 71-0068	LF	12" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	71.27	53.74
14 01 20 71-0069	EA	"RopeGripper" With Pumping Unit For Use On 4-7/8" Maximum Out To Out Of Cable	5,569.22	855.27
14 01 20 71-0070	EA	"RopeGripper" With Pumping Unit For Use On 6" Maximum Out To Out Of Cable	7,355.20	997.80
14 01 20 71-0071	EA	"RopeGripper" With Pumping Unit For Use On 10" Maximum Out To Out Of Cable	9,701.13	1,140.35
14 01 20 71-0072	EA	"RopeGripper" With Pumping Unit For Use On 11-1/2" Maximum Out To Out Of Cable	10,833.44	1,211.63
14 01 20 71-0073	EA	60 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	3,065.60	142.55
14 01 20 71-0074	EA	100 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	3,518.51	171.05
14 01 20 71-0075	EA	200 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	4,676.05	199.56
14 01 20 71-0076	EA	Aluminum Handrail Spacers With Set Screw	24.88	5.16
14 01 20 71-0077	EA	Bronze Handrail Spacers With Set Screw	40.66	5.16
14 01 20 71-0078	LF	1/2" x 2" Obround Stainless Steel Elevator Handrail	53.88	3.86
14 01 20 71-0079	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	74.53	3.86
14 01 20 71-0080	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	100.55	4.12
14 01 20 71-0081	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	117.04	3.86
14 01 20 71-0082	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	141.85	4.12
14 01 20 71-0083	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish	91.54	3.86
14 01 20 71-0084	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish	117.55	4.12
14 01 20 71-0085	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish	125.55	3.86
14 01 20 71-0086	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish	151.56	4.12
14 01 20 71-0087	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	78.97	3.86
14 01 20 71-0088	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	86.19	3.86
14 01 20 71-0089	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	115.61	4.12
14 01 20 71-0090	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	130.06	4.12
14 01 20 71-0091	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	121.30	3.86
14 01 20 71-0092	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	129.55	3.86
14 01 20 71-0093	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	150.71	4.12
14 01 20 71-0094	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	165.17	4.12
14 01 20 71-0095	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	91.54	3.86
14 01 20 71-0096	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	100.04	3.86
14 01 20 71-0097	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	134.56	4.12
14 01 20 71-0098	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	151.56	4.12
14 01 20 71-0099	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	141.34	3.86
14 01 20 71-0100	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	151.05	3.86
14 01 20 71-0101	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	175.85	4.12
14 01 20 71-0102	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	192.86	4.12

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

(14 01)

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

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

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	618.23	
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	150.50	
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	3,400.25	

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

14 01 30 71-0006	EA	Replace 28" Wide Escalator Stair Tread	1,962.93	
14 01 30 71-0007	EA	Replace 36" Wide Escalator Stair Tread	2,127.57	
14 01 30 71-0008	EA	Replace 48" Wide Escalator Stair Tread	2,255.27	
14 01 30 71-0009	EA	Replace 54" Wide Escalator Stair Tread	2,445.44	
14 01 30 71-0010	LF	Replace Sliding Handrail	176.62	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators *(14 20)*

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

14 24 13 Hydraulic Freight Elevators *(14 24)*

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

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM	94,681.24	7,865.81
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-7,894.97*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	103,199.06	8,400.65
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-8,639.78*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	118,868.52	8,787.26
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-10,129.39*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 3,000 LB x 100 FPM	105,287.32	7,955.13
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-8,937.70*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM	112,340.83	8,502.66
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-9,533.55*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM	129,748.39	9,013.61
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-11,172.13*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM	114,225.02	7,955.13
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-9,831.47*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM	123,083.71	8,660.51
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-10,576.28*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 6,000 LB x 150 FPM	139,041.12	9,191.05
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-12,065.90*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	66.46
		Note: Includes casing.	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	78.94
		Note: Includes casing.	
14 24 13 00-0014	VLF	12" To 16" Diameter Piston Drilling	88.03
		Note: Includes casing.	
14 24 13 00-0015	VLF	18" Diameter Piston Drilling	100.18
		Note: Includes casing.	

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of $4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,000 LB x 50 FPM	79,162.59	7,554.52
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 50 FPM	82,764.31	7,865.81
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 50 FPM	89,859.98	8,434.34
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 2,000 LB x 100 FPM	86,487.60	7,865.81
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	91,590.10	8,554.66
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	96,388.85	9,091.64
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	92,626.32	7,955.13
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0009	EA	Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	101,330.36	8,955.93
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0010	EA	Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	109,426.29	10,024.67
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011		Twin Jack Holeless Hydraulic Passenger Elevator *(14 24 23)*		
		Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0012	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	65,046.08	7,865.81
14 24 23 00-0013	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	49,303.28	6,720.52
14 26		Limited-Use/Limited-Application Elevators *(14 20)*		
14 26 00 00-0001		Small Elevators, 1 Passenger Capacity *(14 26)*		
		Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.		
14 26 00 00-0002	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	25,932.56	3,871.56
14 26 00 00-0003	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	30,143.51	4,839.45
14 26 00 00-0004	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	34,374.91	5,807.34
14 26 00 00-0005		Small Elevators, 2 To 3 Passenger Capacity *(14 26)*		
		Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0006	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	37,645.02	5,807.34
14 26 00 00-0007	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	42,927.13	6,775.23
14 26 00 00-0008	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	48,184.99	7,743.12
14 26 00 00-0009	EA	5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	53,891.35	8,711.01
14 26 00 00-0010	EA	6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	60,994.47	10,162.85
14 26 00 00-0011	EA	7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	68,478.12	11,614.68
14 26 00 00-0012		Small Elevators, 4 To 6 Passenger Capacity *(14 26)*		
		Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0013	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	58,699.07	9,474.39
		For #4 Brushed Stainless Steel Doors, Add	*79.50*	
		For Wrap Around Front, Add	*39.75*	
		For Metal Hand Rails, Add	*198.75*	
		For Wood Hand Rails, Add	*298.13*	
		For Red Oak Side Panels, Add	*1,192.51*	
14 26 00 00-0014	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	67,406.15	11,337.38
		For #4 Brushed Stainless Steel Doors, Add	*89.46*	
		For Wrap Around Front, Add	*44.73*	
		For Metal Hand Rails, Add	*223.66*	
		For Wood Hand Rails, Add	*335.49*	
		For Red Oak Side Panels, Add	*1,341.94*	
14 26 00 00-0015	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	76,619.93	13,453.67
		For #4 Brushed Stainless Steel Doors, Add	*99.43*	
		For Wrap Around Front, Add	*49.71*	
		For Metal Hand Rails, Add	*248.56*	
		For Wood Hand Rails, Add	*372.84*	
		For Red Oak Side Panels, Add	*1,491.38*	
14 90		Other Conveying Equipment *(14)*		
14 91		Facility Chutes *(14 90)*		
14 91 82		**Trash Chutes** *(14 91)*		
14 91 82 00-0001		Trash Chutes *(14 91 82)*		
14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	22.10	3.75
		For Aluminum, Add	*1.49*	
		For Stainless Steel, Add	*5.23*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	28.00	3.75
		For Aluminum, Add	*2.02*	
		For Stainless Steel, Add	*7.07*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	30.84	4.68
		For Aluminum, Add	*2.24*	
		For Stainless Steel, Add	*7.84*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	46.05	4.68
		For Aluminum, Add	*3.69*	
		For Stainless Steel, Add	*12.92*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	440.23	26.23
		For Aluminum, Add	*38.74*	
		For Stainless Steel, Add	*135.60*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	238.05	51.52
		For Aluminum, Add	*13.48*	
		For Stainless Steel, Add	*47.17*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	177.75	56.21
		For Aluminum, Add	*5.90*	
		For Stainless Steel, Add	*20.64*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	49.71	19.67
		For Aluminum, Add	*1.01*	
		For Stainless Steel, Add	*3.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	397.79	70.26
		For Aluminum, Add	*24.93*	
		For Stainless Steel, Add	*87.26*	
14 91 82 00-0011	EA	Hopper Doors	856.12	56.35

14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories *(14 91 82)*

Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.

14 91 82 00-0013	EA	Refuse Bottom Hopper, Aluminum , 18" Diameter	2,442.19	250.43
14 91 82 00-0014	FLR	18" Diameter Trash Chutes And With Sprinklers Aluminized Steel	575.51	262.83
14 91 82 00-0015	FLR	24" Diameter Trash Chutes And With Sprinklers Aluminized Steel	660.96	287.49
14 91 82 00-0016	FLR	30" Diameter Trash Chutes And With Sprinklers Aluminized Steel	733.84	306.62
14 91 82 00-0017	FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	797.74	328.52
14 91 82 00-0018	EA	Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers	700.90	306.62

14 92 Pneumatic Tube Systems *(14 90)*

14 92 00 00-0001 Pneumatic Message Tube Station *(14 92)*

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002	LF	2-1/2" Tube With Bracketing	36.41	11.92
14 92 00 00-0003	LF	3" Tube With Bracketing	43.94	16.06
14 92 00 00-0004	LF	4" Tube With Bracketing	49.28	14.68
14 92 00 00-0005	LF	6" Tube With Bracketing	59.88	18.35
14 92 00 00-0006	LF	4" x 7" Oval Tube With Bracketing	62.63	19.73
14 92 00 00-0007	EA	Blower Assembly	5,553.71	367.00
14 92 00 00-0008	EA	Receiving Station, Round Or Oval	525.46	97.71
14 92 00 00-0009	EA	Multi-Sided Dispatching Station, 3 Carrier	1,505.51	137.63
14 92 00 00-0010	EA	Laboratory Receiving Station, Round Or Oval	1,068.95	123.86
14 92 00 00-0011	EA	2-Way Diverter Station	1,867.73	137.63
14 92 00 00-0012	EA	3-Way Diverter Station	2,381.98	160.56
14 92 00 00-0013	EA	4-Way Diverter Station	2,858.76	183.50

END OF SECTION 14

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

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

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

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

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	44.29

21 01 10 91-0003 Sprinkler Upgrades *(21 01 10 91)*

21 01 10 91-0004	LF	Bleed Existing Lines Of Water	0.46
21 01 10 91-0005	LF	Refill Existing Lines With Water	0.56

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

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

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	158.68
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.60
21 01 30 91-0004	EA	Inspection, Halon 1301	158.68
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	38.28
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	95.94
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	35.89
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	95.94
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	3.19
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	29.52
21 01 30 91-0011	EA	Disarm/Arm System	51.67

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements For Fire-Suppression Equipment *(21 05)*

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

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping *(21 05)*

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

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

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

21 05 19 Meters And Gages For Fire-Suppression Systems *(21 05)*

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	31.00	9.24
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	32.02	9.24
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	36.82	9.24
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	38.79	9.24
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	40.76	9.24

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	2,790.98	144.85
		For >10 To 25, Deduct	*-139.55*	
		For >25, Deduct	*-400.52*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	5,665.69	242.84
		For >10 To 25, Deduct	*-283.28*	
		For >25, Deduct	*-819.42*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	7,647.89	318.24
		For >10 To 25, Deduct	*-382.39*	
		For >25, Deduct	*-1,107.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,969.22	406.63
		For >10 To 25, Deduct	*-498.46*	
		For >25, Deduct	*-1,444.87*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	14,011.88	495.03
		For >10 To 25, Deduct	*-700.59*	
		For >25, Deduct	*-2,039.90*	

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

(21 05)

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

21 05 23 00-0001 Globe Valves *(21 05 23)*

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

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	40.80	9.25
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	53.03	9.72
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	69.87	9.72
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	99.71	12.31
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD	116.67	14.25
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	138.12	16.85

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

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

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	286.78	15.09
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	315.70	18.06
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	333.33	23.77
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	475.80	38.94
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	684.34	54.79

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

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	286.66	12.19
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	293.17	15.09
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	324.22	18.06
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	338.65	23.77
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	474.74	38.94
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	704.57	54.79
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,085.93	74.04

21 05 23 00-0024 Check Valves *(21 05 23)*

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

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	108.34	9.25
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	130.33	9.72
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	175.28	9.72
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	231.93	12.31
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	299.44	14.25
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	427.89	16.85

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

21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	435.31	123.54
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	497.36	144.85
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	723.49	242.84
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,032.81	289.32
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,574.83	369.69
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,402.24	450.06
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	3,297.37	546.50

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

21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	359.45	123.60
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	415.68	144.92
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	545.53	242.95
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	851.85	340.98
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,173.73	392.13
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,651.49	42.62
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,203.10	579.67

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

21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717)	255.51	15.34
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717)	259.64	18.15
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717)	277.59	23.86
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717)	811.33	38.94
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717)	1,127.58	54.79

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0054		Gate Valves *(21 05 23)*		
21 05 23 00-0055		Threaded, Bronze Gate Valves *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459)	316.84	11.57
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459)	388.38	12.31
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459)	461.02	14.25
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459)	573.04	16.85
21 05 23 00-0060		Flanged, Cast Iron Body, Bronze Trim Gate Valves *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	562.61	123.54
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	662.14	144.85
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	949.65	242.84
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,367.04	289.32
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,980.01	369.69
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	3,483.01	450.06
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,697.26	546.50
21 05 23 00-0068		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	911.94	123.54
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,062.71	144.85
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,314.11	242.84
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,674.49	289.32
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,462.95	369.69
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,513.88	450.06
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,524.56	546.50
21 05 23 00-0076		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves *(21 05 23 00-0054)* Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	874.12	144.85
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,132.13	242.84
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,434.95	289.32
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,126.79	369.69
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,154.56	450.06
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,958.13	546.50
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	213.41	11.57
21 05 23 00-0086	EA	1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	236.91	12.31
21 05 23 00-0087	EA	1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	279.27	14.25
21 05 23 00-0088	EA	2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	335.33	16.85
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	137.93	10.65
21 05 23 00-0091	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	156.35	12.87
21 05 23 00-0092	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	191.54	16.28
21 05 23 00-0093	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	294.67	18.79
21 05 23 00-0094	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	311.33	22.19
21 05 23 00-0095	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	216.38	12.87
21 05 23 00-0096	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	250.99	16.28
21 05 23 00-0097	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	355.92	18.79
21 05 23 00-0098	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	374.21	22.19

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment *(21 05)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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

21 05 48 Vibration And Seismic Controls for Fire-Suppresion Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment *(21 05 48)*

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

21 05 53 Identification For Fire-Suppression Piping And Equipment *(21 05)*

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

21 07 Fire-Suppression Systems Insulation *(21)*

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

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

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

See CSI section 22 11 16 00-0345 for copper pipe, 22 11 16 00-0889 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

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

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

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

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	601.90	238.18
		For Polished Chrome, Add	*30.14*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	820.24	297.73
		For Polished Chrome, Add	*46.13*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	828.36	238.18
		For Polished Chrome, Add	*58.43*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	1,085.92	297.73
		For Polished Chrome, Add	*79.34*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	1,150.86	297.73
		For Polished Chrome, Add	*87.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,016.78	315.10
		For Polished Chrome, Add	*67.45*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	670.40	238.18
		For Polished Chrome, Add	*38.70*	

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

See CSI section 33 14 19 00-0152 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	1,001.10	242.84

21 11 19 00-0011 Upright Indicator Post, Wheel Operated *(21 11 19)*

21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	3,053.09	242.84

21 12 Fire-Suppression Standpipes *(21 10)*

21 12 13 Fire-Suppression Hoses And Nozzles *(21 12)*

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

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

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.98	1.47
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.32	1.47
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.09	1.47
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.47	1.47
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.28	1.47
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.87	1.47
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.37	1.47
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.06	1.47

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

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	4.45	0.82
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.53	0.96
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.29	0.96

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

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	87.90	24.35
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	129.10	27.30
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	51.48	19.19
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	93.37	19.19
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	75.48	19.19
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	105.12	19.19
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	184.29	81.19

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	240.47	81.19

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

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

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	405.90	157.56
		For Polished Chrome, Add	*25.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	603.93	157.48
		For Polished Chrome, Add	*54.80*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	762.04	170.35
		For Polished Chrome, Add	*75.58*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	889.30	157.48
		For Polished Chrome, Add	*97.61*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,037.07	170.35
		For Polished Chrome, Add	*116.84*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	573.60	157.48
		For Polished Chrome, Add	*50.25*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	809.60	170.35
		For Polished Chrome, Add	*82.72*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,008.01	162.59
		For Polished Chrome, Add	*91.40*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,416.22	180.63
		For Polished Chrome, Add	*137.10*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,076.25	162.59
		For Polished Chrome, Add	*99.59*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,519.04	180.63
		For Polished Chrome, Add	*149.44*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	3,410.55	216.73
		For Polished Chrome, Add	*308.21*	

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

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	134.09	19.93
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	158.80	19.93
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	149.82	19.93
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	174.53	19.93
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	237.71	33.21
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	273.66	33.21
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	276.66	33.21
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	312.61	33.21

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

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

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,430.33	390.56
21 12 29 00-0003	EA	Water Motor Gong	490.09	112.40
21 12 29 00-0004	EA	Fire Riser Flow Switch (NFPA 13)	376.66	13.08
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	144.11	22.37
21 12 29 00-0006	EA	Lever Type Bleeder Valve (Potter BVL)	101.25	22.37

21 12 29 00-0007 Water Flow Detector *(21 12 29)*

21 12 29 00-0008 Pressure-Type Wazter Flow Detector *(21 12 29 00-0007)*

21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	238.97	68.84
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	345.08	91.20
21 12 29 00-0011	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	524.71	103.25

21 12 29 00-0012 Vane-Type Water Flow Detector *(21 12 29 00-0007)*

21 12 29 00-0013	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	293.78	68.84
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	412.24	91.20
21 12 29 00-0015	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	631.16	103.25

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

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

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

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

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	307.02	
		For Copper Pipe, Add	*36.59*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-51.94*	
		For Up To 5, Add	*141.74*	
		For >5 To 10, Add	*89.80*	
		For >10 To 20, Add	*59.10*	
		For >20 To 40, Add	*24.82*	
		For >100 To 150, Deduct	*-30.70*	
		For >150, Deduct	*-61.40*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	406.08	
		For Copper Pipe, Add	*46.97*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-67.28*	
		For Up To 5, Add	*190.31*	
		For >5 To 10, Add	*123.03*	
		For >10 To 20, Add	*82.42*	
		For >20 To 40, Add	*34.24*	
		For >100 To 150, Deduct	*-40.61*	
		For >150, Deduct	*-81.22*	

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	305.84	
		For Copper Pipe, Add	*36.53*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-51.82*	
		For Up To 5, Add	*141.04*	
		For >5 To 10, Add	*89.22*	
		For >10 To 20, Add	*58.64*	
		For >20 To 40, Add	*24.64*	
		For >100 To 150, Deduct	*-30.58*	
		For >150, Deduct	*-61.17*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	402.48	
		For Copper Pipe, Add	*46.62*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-66.74*	
		For Up To 5, Add	*188.50*	
		For >5 To 10, Add	*121.76*	
		For >10 To 20, Add	*81.51*	
		For >20 To 40, Add	*33.88*	
		For >100 To 150, Deduct	*-40.25*	
		For >150, Deduct	*-80.50*	

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	283.00	
		For Copper Pipe, Add	*33.74*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-47.89*	
		For Up To 5, Add	*130.62*	
		For >5 To 10, Add	*82.73*	
		For >10 To 20, Add	*54.43*	
		For >20 To 40, Add	*22.86*	
		For >100 To 150, Deduct	*-28.30*	
		For >150, Deduct	*-56.60*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	373.14	
		For Copper Pipe, Add	*43.16*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-61.82*	
		For Up To 5, Add	*174.88*	
		For >5 To 10, Add	*113.07*	
		For >10 To 20, Add	*75.75*	
		For >20 To 40, Add	*31.47*	
		For >100 To 150, Deduct	*-37.31*	
		For >150, Deduct	*-74.63*	

21 13 13 00-0011 Wet-Pipe Sprinkler Components *(21 13 13)*

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Wet-Pipe Alarm Valves *(21 13 13 00-0011)*

21 13 13 00-0013	EA	2" Wet-Pipe Alarm Valve	1,284.85	585.28
21 13 13 00-0014	EA	3" Wet-Pipe Alarm Valve	1,727.69	798.94
21 13 13 00-0015	EA	4" Wet-Pipe Alarm Valve	2,753.26	1,118.53
21 13 13 00-0016	EA	6" Wet-Pipe Alarm Valve	3,155.76	1,321.58
21 13 13 00-0017	EA	8" Wet-Pipe Alarm Valve	4,382.89	1,453.74

21 13 13 00-0018 Wet-Pipe Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0019 Upright Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0020	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	47.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-14.15*	
		For >1,000, Deduct	*-20.79*	
21 13 13 00-0021	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	48.67	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 500, Deduct	*-6.91*	
		For >500 To 1,000, Deduct	*-14.41*	
		For >1,000, Deduct	*-21.05*	
21 13 13 00-0022	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	49.58	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-14.57*	
		For >1,000, Deduct	*-21.21*	
21 13 13 00-0023	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	47.96	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.06*	
		For >100 To 500, Deduct	*-6.83*	
		For >500 To 1,000, Deduct	*-14.28*	
		For >1,000, Deduct	*-20.92*	
21 13 13 00-0024	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	49.44	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.01*	
		For >500 To 1,000, Deduct	*-14.54*	
		For >1,000, Deduct	*-21.19*	
21 13 13 00-0025	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	50.39	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 500, Deduct	*-7.13*	
		For >500 To 1,000, Deduct	*-14.72*	
		For >1,000, Deduct	*-21.36*	
21 13 13 00-0026	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	57.31	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.53*	
		For >100 To 500, Deduct	*-7.99*	
		For >500 To 1,000, Deduct	*-15.96*	
		For >1,000, Deduct	*-22.60*	
21 13 13 00-0027	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	61.14	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.72*	
		For >100 To 500, Deduct	*-8.47*	
		For >500 To 1,000, Deduct	*-16.65*	
		For >1,000, Deduct	*-23.29*	
21 13 13 00-0028	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	57.31	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.53*	
		For >100 To 500, Deduct	*-7.99*	
		For >500 To 1,000, Deduct	*-15.96*	
		For >1,000, Deduct	*-22.60*	
21 13 13 00-0029	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	61.14	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.72*	
		For >100 To 500, Deduct	*-8.47*	
		For >500 To 1,000, Deduct	*-16.65*	
		For >1,000, Deduct	*-23.29*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	52.36	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-15.07*	
		For >1,000, Deduct	*-21.71*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	54.23	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 500, Deduct	*-7.61*	
		For >500 To 1,000, Deduct	*-15.41*	
		For >1,000, Deduct	*-22.05*	
21 13 13 00-0032	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	53.96	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 500, Deduct	*-7.67*	
		For >500 To 1,000, Deduct	*-15.99*	
		For >1,000, Deduct	*-23.37*	
21 13 13 00-0033	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	56.15	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-7.94*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000, Deduct	*-23.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	56.59	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.00*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.84*	
21 13 13 00-0035	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	53.96	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 500, Deduct	*-7.67*	
		For >500 To 1,000, Deduct	*-15.99*	
		For >1,000, Deduct	*-23.37*	
21 13 13 00-0036	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	56.15	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-7.94*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000, Deduct	*-23.76*	
21 13 13 00-0037	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	56.59	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.00*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.84*	
21 13 13 00-0038	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	51.37	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.25*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000, Deduct	*-21.53*	
21 13 13 00-0039	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	52.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000, Deduct	*-21.79*	
21 13 13 00-0040	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0041	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	51.37	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.25*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000, Deduct	*-21.53*	
21 13 13 00-0042	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	52.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000, Deduct	*-21.79*	
21 13 13 00-0043	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0044	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0045	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	69.29	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.31*	
		For >100 To 500, Deduct	*-9.58*	
		For >500 To 1,000, Deduct	*-18.75*	
		For >1,000, Deduct	*-26.13*	
21 13 13 00-0046	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	70.93	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.39*	
		For >100 To 500, Deduct	*-9.79*	
		For >500 To 1,000, Deduct	*-19.04*	
		For >1,000, Deduct	*-26.42*	
21 13 13 00-0047	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	70.93	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.39*	
		For >100 To 500, Deduct	*-9.79*	
		For >500 To 1,000, Deduct	*-19.04*	
		For >1,000, Deduct	*-26.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0048	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	58.20	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.75*	
		For >1,000, Deduct	*-24.13*	
21 13 13 00-0049	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	59.33	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.95*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0050	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	59.33	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.95*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0051	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	150.29	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-19.62*	
		For >500 To 1,000, Deduct	*-32.70*	
		For >1,000, Deduct	*-39.34*	
21 13 13 00-0052	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	165.59	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-21.62*	
		For >500 To 1,000, Deduct	*-36.08*	
		For >1,000, Deduct	*-43.46*	
21 13 13 00-0053	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	84.48	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 500, Deduct	*-11.39*	
		For >500 To 1,000, Deduct	*-20.85*	
		For >1,000, Deduct	*-27.49*	
21 13 13 00-0054	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	101.62	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 500, Deduct	*-13.53*	
		For >500 To 1,000, Deduct	*-23.94*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0055	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	173.33	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.33*	
		For >100 To 500, Deduct	*-22.50*	
		For >500 To 1,000, Deduct	*-36.85*	
		For >1,000, Deduct	*-43.49*	
21 13 13 00-0056	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	218.01	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-12.56*	
		For >100 To 500, Deduct	*-28.08*	
		For >500 To 1,000, Deduct	*-44.89*	
		For >1,000, Deduct	*-51.53*	
21 13 13 00-0057	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	105.31	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-7.11*	
		For >100 To 500, Deduct	*-14.09*	
		For >500 To 1,000, Deduct	*-25.23*	
		For >1,000, Deduct	*-32.61*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	105.83	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 500, Deduct	*-14.15*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-32.70*	

21 13 13 00-0059 Conventional Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*

21 13 13 00-0060	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	47.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-14.15*	
		For >1,000, Deduct	*-20.79*	
21 13 13 00-0061	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	48.67	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 500, Deduct	*-6.91*	
		For >500 To 1,000, Deduct	*-14.41*	
		For >1,000, Deduct	*-21.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0062	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	49.58	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-14.57*	
		For >1,000, Deduct	*-21.21*	
21 13 13 00-0063	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	54.47	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-7.73*	
		For >500 To 1,000, Deduct	*-16.08*	
		For >1,000, Deduct	*-23.46*	
21 13 13 00-0064	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	56.15	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-7.94*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000, Deduct	*-23.76*	
21 13 13 00-0065	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	56.41	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-7.97*	
		For >500 To 1,000, Deduct	*-16.43*	
		For >1,000, Deduct	*-23.81*	
21 13 13 00-0066	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	150.29	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-19.62*	
		For >500 To 1,000, Deduct	*-32.70*	
		For >1,000, Deduct	*-39.34*	

21 13 13 00-0067 Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*

See CSI section 21 13 13 00-0203 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	47.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-14.15*	
		For >1,000, Deduct	*-20.79*	
21 13 13 00-0069	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	48.67	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 500, Deduct	*-6.91*	
		For >500 To 1,000, Deduct	*-14.41*	
		For >1,000, Deduct	*-21.05*	
21 13 13 00-0070	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	49.58	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-14.57*	
		For >1,000, Deduct	*-21.21*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	53.96	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 500, Deduct	*-7.67*	
		For >500 To 1,000, Deduct	*-15.99*	
		For >1,000, Deduct	*-23.37*	
21 13 13 00-0072	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	56.15	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-7.94*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000, Deduct	*-23.76*	
21 13 13 00-0073	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	56.59	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.00*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.84*	
21 13 13 00-0074	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	51.37	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.25*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000, Deduct	*-21.53*	
21 13 13 00-0075	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	52.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000, Deduct	*-21.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0076	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0077	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	51.37	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.25*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000, Deduct	*-21.53*	
21 13 13 00-0078	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	52.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000, Deduct	*-21.79*	
21 13 13 00-0079	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0080	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	51.37	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.25*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000, Deduct	*-21.53*	
21 13 13 00-0081	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	52.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000, Deduct	*-21.79*	
21 13 13 00-0082	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	53.07	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000, Deduct	*-21.84*	
21 13 13 00-0083	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	47.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-14.15*	
		For >1,000, Deduct	*-20.79*	
21 13 13 00-0084	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	48.67	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 500, Deduct	*-6.91*	
		For >500 To 1,000, Deduct	*-14.41*	
		For >1,000, Deduct	*-21.05*	
21 13 13 00-0085	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	49.58	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-14.57*	
		For >1,000, Deduct	*-21.21*	
21 13 13 00-0086	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	47.96	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.06*	
		For >100 To 500, Deduct	*-6.83*	
		For >500 To 1,000, Deduct	*-14.28*	
		For >1,000, Deduct	*-20.92*	
21 13 13 00-0087	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	48.97	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.11*	
		For >100 To 500, Deduct	*-6.95*	
		For >500 To 1,000, Deduct	*-14.46*	
		For >1,000, Deduct	*-21.10*	
21 13 13 00-0088	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	49.89	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-7.07*	
		For >500 To 1,000, Deduct	*-14.63*	
		For >1,000, Deduct	*-21.27*	
21 13 13 00-0089	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	55.31	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-16.23*	
		For >1,000, Deduct	*-23.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0090	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	57.17	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 500, Deduct	*-8.07*	
		For >500 To 1,000, Deduct	*-16.56*	
		For >1,000, Deduct	*-23.94*	
21 13 13 00-0091	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	57.17	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 500, Deduct	*-8.07*	
		For >500 To 1,000, Deduct	*-16.56*	
		For >1,000, Deduct	*-23.94*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	52.36	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-15.07*	
		For >1,000, Deduct	*-21.71*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	54.23	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 500, Deduct	*-7.61*	
		For >500 To 1,000, Deduct	*-15.41*	
		For >1,000, Deduct	*-22.05*	
21 13 13 00-0094	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	57.03	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.51*	
		For >100 To 500, Deduct	*-7.96*	
		For >500 To 1,000, Deduct	*-15.91*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0095	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	60.09	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.10*	
21 13 13 00-0096	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	57.03	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.51*	
		For >100 To 500, Deduct	*-7.96*	
		For >500 To 1,000, Deduct	*-15.91*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0097	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	60.09	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.10*	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	49.94	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-7.07*	
		For >500 To 1,000, Deduct	*-14.63*	
		For >1,000, Deduct	*-21.28*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	51.55	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 500, Deduct	*-7.27*	
		For >500 To 1,000, Deduct	*-14.92*	
		For >1,000, Deduct	*-21.57*	
21 13 13 00-0100	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	52.39	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-15.08*	
		For >1,000, Deduct	*-21.72*	
21 13 13 00-0101	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	54.64	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.58*	
		For >100 To 500, Deduct	*-7.75*	
		For >500 To 1,000, Deduct	*-16.11*	
		For >1,000, Deduct	*-23.49*	
21 13 13 00-0102	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	56.23	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 500, Deduct	*-7.95*	
		For >500 To 1,000, Deduct	*-16.39*	
		For >1,000, Deduct	*-23.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0103	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	57.77	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-16.67*	
		For >1,000, Deduct	*-24.05*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	50.85	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.20*	
		For >100 To 500, Deduct	*-7.19*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-21.44*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	52.42	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-15.08*	
		For >1,000, Deduct	*-21.72*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	53.28	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 500, Deduct	*-7.49*	
		For >500 To 1,000, Deduct	*-15.24*	
		For >1,000, Deduct	*-21.88*	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	55.31	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-16.23*	
		For >1,000, Deduct	*-23.61*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	56.97	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 500, Deduct	*-8.04*	
		For >500 To 1,000, Deduct	*-16.53*	
		For >1,000, Deduct	*-23.91*	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	58.57	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.77*	
		For >100 To 500, Deduct	*-8.24*	
		For >500 To 1,000, Deduct	*-16.82*	
		For >1,000, Deduct	*-24.20*	
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	75.90	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 500, Deduct	*-10.32*	
		For >500 To 1,000, Deduct	*-19.31*	
		For >1,000, Deduct	*-25.95*	
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	75.90	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 500, Deduct	*-10.32*	
		For >500 To 1,000, Deduct	*-19.31*	
		For >1,000, Deduct	*-25.95*	
21 13 13 00-0112	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	59.85	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.84*	
		For >100 To 500, Deduct	*-8.40*	
		For >500 To 1,000, Deduct	*-17.05*	
		For >1,000, Deduct	*-24.43*	
21 13 13 00-0113	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	61.06	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 500, Deduct	*-8.56*	
		For >500 To 1,000, Deduct	*-17.26*	
		For >1,000, Deduct	*-24.64*	
21 13 13 00-0114	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	61.06	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 500, Deduct	*-8.56*	
		For >500 To 1,000, Deduct	*-17.26*	
		For >1,000, Deduct	*-24.64*	
21 13 13 00-0115	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	58.20	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.75*	
		For >1,000, Deduct	*-24.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0116	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	59.33	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.95*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0117	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	59.33	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.95*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0118	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	150.29	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-19.62*	
		For >500 To 1,000, Deduct	*-32.70*	
		For >1,000, Deduct	*-39.34*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	165.59	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-21.62*	
		For >500 To 1,000, Deduct	*-36.08*	
		For >1,000, Deduct	*-43.46*	
21 13 13 00-0120	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	84.48	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 500, Deduct	*-11.39*	
		For >500 To 1,000, Deduct	*-20.85*	
		For >1,000, Deduct	*-27.49*	
21 13 13 00-0121	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	101.62	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 500, Deduct	*-13.53*	
		For >500 To 1,000, Deduct	*-23.94*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0122	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	173.33	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.33*	
		For >100 To 500, Deduct	*-22.50*	
		For >500 To 1,000, Deduct	*-36.85*	
		For >1,000, Deduct	*-43.49*	
21 13 13 00-0123	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	218.01	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-12.56*	
		For >100 To 500, Deduct	*-28.08*	
		For >500 To 1,000, Deduct	*-44.89*	
		For >1,000, Deduct	*-51.53*	
21 13 13 00-0124	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	105.31	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-7.11*	
		For >100 To 500, Deduct	*-14.09*	
		For >500 To 1,000, Deduct	*-25.23*	
		For >1,000, Deduct	*-32.61*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	105.83	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 500, Deduct	*-14.15*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-32.70*	

21 13 13 00-0126 Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*

21 13 13 00-0127 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0126)*

21 13 13 00-0128	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	49.38	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-14.53*	
		For >1,000, Deduct	*-21.18*	
21 13 13 00-0129	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	50.52	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 500, Deduct	*-7.15*	
		For >500 To 1,000, Deduct	*-14.74*	
		For >1,000, Deduct	*-21.38*	
21 13 13 00-0130	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	52.33	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.37*	
		For >500 To 1,000, Deduct	*-15.07*	
		For >1,000, Deduct	*-21.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0131	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	50.02	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-14.65*	
		For >1,000, Deduct	*-21.29*	
21 13 13 00-0132	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	51.19	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 500, Deduct	*-7.23*	
		For >500 To 1,000, Deduct	*-14.86*	
		For >1,000, Deduct	*-21.50*	
21 13 13 00-0133	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	53.03	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.46*	
		For >500 To 1,000, Deduct	*-15.19*	
		For >1,000, Deduct	*-21.83*	
21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	54.23	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 500, Deduct	*-7.61*	
		For >500 To 1,000, Deduct	*-15.41*	
		For >1,000, Deduct	*-22.05*	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	56.09	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.47*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-15.74*	
		For >1,000, Deduct	*-22.38*	
21 13 13 00-0136	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	58.86	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.79*	
		For >100 To 500, Deduct	*-8.28*	
		For >500 To 1,000, Deduct	*-16.87*	
		For >1,000, Deduct	*-24.25*	
21 13 13 00-0137	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	61.65	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.93*	
		For >100 To 500, Deduct	*-8.63*	
		For >500 To 1,000, Deduct	*-17.37*	
		For >1,000, Deduct	*-24.75*	
21 13 13 00-0138	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	58.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.11*	
		For >500 To 1,000, Deduct	*-16.13*	
		For >1,000, Deduct	*-22.77*	
21 13 13 00-0139	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	60.09	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.10*	
21 13 13 00-0140	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	58.24	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.11*	
		For >500 To 1,000, Deduct	*-16.13*	
		For >1,000, Deduct	*-22.77*	
21 13 13 00-0141	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	60.09	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000, Deduct	*-23.10*	
21 13 13 00-0142	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	48.40	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 500, Deduct	*-6.88*	
		For >500 To 1,000, Deduct	*-14.36*	
		For >1,000, Deduct	*-21.00*	
21 13 13 00-0143	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	49.35	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-14.53*	
		For >1,000, Deduct	*-21.17*	
21 13 13 00-0144	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	50.53	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 500, Deduct	*-7.15*	
		For >500 To 1,000, Deduct	*-14.74*	
		For >1,000, Deduct	*-21.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0145	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	53.20	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.51*	
		For >100 To 500, Deduct	*-7.57*	
		For >500 To 1,000, Deduct	*-15.85*	
		For >1,000, Deduct	*-23.23*	
21 13 13 00-0146	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	54.22	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.56*	
		For >100 To 500, Deduct	*-7.70*	
		For >500 To 1,000, Deduct	*-16.03*	
		For >1,000, Deduct	*-23.41*	
21 13 13 00-0147	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	55.31	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-16.23*	
		For >1,000, Deduct	*-23.61*	
21 13 13 00-0148	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	54.01	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.55*	
		For >100 To 500, Deduct	*-7.67*	
		For >500 To 1,000, Deduct	*-15.99*	
		For >1,000, Deduct	*-23.37*	
21 13 13 00-0149	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	55.06	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 500, Deduct	*-7.81*	
		For >500 To 1,000, Deduct	*-16.18*	
		For >1,000, Deduct	*-23.56*	
21 13 13 00-0150	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	56.20	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 500, Deduct	*-7.95*	
		For >500 To 1,000, Deduct	*-16.39*	
		For >1,000, Deduct	*-23.77*	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	56.22	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 500, Deduct	*-7.95*	
		For >500 To 1,000, Deduct	*-16.39*	
		For >1,000, Deduct	*-23.77*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	57.77	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-16.67*	
		For >1,000, Deduct	*-24.05*	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	57.77	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-16.67*	
		For >1,000, Deduct	*-24.05*	
21 13 13 00-0154	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	86.21	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 500, Deduct	*-11.61*	
		For >500 To 1,000, Deduct	*-21.16*	
		For >1,000, Deduct	*-27.81*	
21 13 13 00-0155	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	86.21	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 500, Deduct	*-11.61*	
		For >500 To 1,000, Deduct	*-21.16*	
		For >1,000, Deduct	*-27.81*	
21 13 13 00-0156	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	48.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.10*	
		For >100 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-14.43*	
		For >1,000, Deduct	*-21.07*	
21 13 13 00-0157	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	48.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.10*	
		For >100 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-14.43*	
		For >1,000, Deduct	*-21.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0158	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	48.80	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.10*	
		For >100 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-14.43*	
		For >1,000, Deduct	*-21.07*	
21 13 13 00-0159		Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0126)*		
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	50.86	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.20*	
		For >100 To 500, Deduct	*-7.19*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-21.44*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	52.29	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.37*	
		For >500 To 1,000, Deduct	*-15.06*	
		For >1,000, Deduct	*-21.70*	
21 13 13 00-0162	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	52.90	8.31
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.44*	
		For >500 To 1,000, Deduct	*-15.17*	
		For >1,000, Deduct	*-21.81*	
21 13 13 00-0163		Concealed Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*		
21 13 13 00-0164		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0163)*		
21 13 13 00-0165	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes coverplate	72.35	11.07
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 500, Deduct	*-10.15*	
		For >500 To 1,000, Deduct	*-20.55*	
		For >1,000, Deduct	*-29.41*	
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	55.59	11.07
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-4.99*	
		For >100 To 500, Deduct	*-8.06*	
		For >500 To 1,000, Deduct	*-17.53*	
		For >1,000, Deduct	*-26.39*	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	56.21	11.07
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.02*	
		For >100 To 500, Deduct	*-8.13*	
		For >500 To 1,000, Deduct	*-17.65*	
		For >1,000, Deduct	*-26.50*	
21 13 13 00-0168	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	68.21	11.99
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-9.73*	
		For >500 To 1,000, Deduct	*-20.43*	
		For >1,000, Deduct	*-30.03*	
21 13 13 00-0169	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	64.52	11.07
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-28.00*	
21 13 13 00-0170	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	64.52	11.07
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-28.00*	
21 13 13 00-0171	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	68.21	11.99
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-9.73*	
		For >500 To 1,000, Deduct	*-20.43*	
		For >1,000, Deduct	*-30.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	60.60	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 500, Deduct	*-8.68*	
		For >500 To 1,000, Deduct	*-18.44*	
		For >1,000, Deduct	*-27.29*	
21 13 13 00-0173	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	64.52	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-28.00*	
21 13 13 00-0174	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	64.52	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-28.00*	
21 13 13 00-0175	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	61.52	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 500, Deduct	*-8.80*	
		For >500 To 1,000, Deduct	*-18.60*	
		For >1,000, Deduct	*-27.46*	
21 13 13 00-0176	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	95.27	12.91
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 500, Deduct	*-13.20*	
		For >500 To 1,000, Deduct	*-25.93*	
		For >1,000, Deduct	*-36.27*	
21 13 13 00-0177	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	58.64	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 500, Deduct	*-8.44*	
		For >500 To 1,000, Deduct	*-18.08*	
		For >1,000, Deduct	*-26.94*	
21 13 13 00-0178	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	62.08	11.99
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.50*	
		For >100 To 500, Deduct	*-8.96*	
		For >500 To 1,000, Deduct	*-19.33*	
		For >1,000, Deduct	*-28.92*	
21 13 13 00-0179	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	59.19	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 500, Deduct	*-8.51*	
		For >500 To 1,000, Deduct	*-18.18*	
		For >1,000, Deduct	*-27.04*	
21 13 13 00-0180	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	62.88	11.99
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 500, Deduct	*-9.06*	
		For >500 To 1,000, Deduct	*-19.47*	
		For >1,000, Deduct	*-29.07*	
21 13 13 00-0181	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	68.46	11.99
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.82*	
		For >100 To 500, Deduct	*-9.76*	
		For >500 To 1,000, Deduct	*-20.48*	
		For >1,000, Deduct	*-30.07*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate	107.98	12.91
		For >25 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-7.98*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-28.22*	
		For >1,000, Deduct	*-38.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate	107.98	12.91
		For >25 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-7.98*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-28.22*	
		For >1,000, Deduct	*-38.55*	

21 13 13 00-0184 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0163)*

21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	77.01	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.06*	
		For >100 To 500, Deduct	*-10.73*	
		For >500 To 1,000, Deduct	*-21.39*	
		For >1,000, Deduct	*-30.25*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.16	11.99
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-11.97*	
		For >500 To 1,000, Deduct	*-23.66*	
		For >1,000, Deduct	*-33.26*	
21 13 13 00-0187	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	63.39	11.07
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.38*	
		For >100 To 500, Deduct	*-9.03*	
		For >500 To 1,000, Deduct	*-18.94*	
		For >1,000, Deduct	*-27.79*	
21 13 13 00-0188	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	65.00	11.99
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.65*	
		For >100 To 500, Deduct	*-9.32*	
		For >500 To 1,000, Deduct	*-19.85*	
		For >1,000, Deduct	*-29.45*	

21 13 13 00-0189 Institutional Tamper Resistant Wet-Pipe Sprinkler Heads *(21 13 13 00-0018)*

21 13 13 00-0190	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	163.68	9.22
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-10.03*	
		For >100 To 500, Deduct	*-21.38*	
		For >500 To 1,000, Deduct	*-35.74*	
		For >1,000, Deduct	*-43.12*	
21 13 13 00-0191	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	160.02	9.22
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 500, Deduct	*-20.93*	
		For >500 To 1,000, Deduct	*-35.08*	
		For >1,000, Deduct	*-42.46*	
21 13 13 00-0192	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	75.67	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.63*	
		For >100 To 500, Deduct	*-10.38*	
		For >500 To 1,000, Deduct	*-19.89*	
		For >1,000, Deduct	*-27.27*	
21 13 13 00-0193	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.27	9.22
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 500, Deduct	*-11.33*	
		For >500 To 1,000, Deduct	*-21.26*	
		For >1,000, Deduct	*-28.64*	

21 13 13 00-0194 Wet-Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0195 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0194)*

21 13 13 00-0196	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	30.46	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-8.17*	
		For >1,000, Deduct	*-11.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0197	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	30.46	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-8.17*	
		For >1,000, Deduct	*-11.34*	
21 13 13 00-0198	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	30.76	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 500, Deduct	*-4.24*	
		For >500 To 1,000, Deduct	*-8.23*	
		For >1,000, Deduct	*-11.39*	
21 13 13 00-0199	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	27.68	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 500, Deduct	*-3.86*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000, Deduct	*-10.84*	
21 13 13 00-0200	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	27.68	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 500, Deduct	*-3.86*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000, Deduct	*-10.84*	
21 13 13 00-0201	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	27.68	9.50
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 500, Deduct	*-3.86*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000, Deduct	*-10.84*	
21 13 13 00-0202	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	30.78	10.32
		For >25 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 500, Deduct	*-4.28*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000, Deduct	*-11.91*	

21 13 13 00-0203 Sprinkler Head Escutcheon *(21 13 13 00-0194)*

21 13 13 00-0204	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	11.53	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.12*	
21 13 13 00-0205	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0206	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0207	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	11.53	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.12*	
21 13 13 00-0208	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0209	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0210	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	10.98	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-4.02*	
21 13 13 00-0211	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0212	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0213	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	10.98	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-4.02*	
21 13 13 00-0214	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0215	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	8.50	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.58*	
21 13 13 00-0216	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	11.25	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000, Deduct	*-4.07*	
21 13 13 00-0217	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	11.25	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000, Deduct	*-4.07*	
21 13 13 00-0218	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	4.90	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.25*	
21 13 13 00-0219	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.52	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000, Deduct	*-2.18*	
21 13 13 00-0220	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	4.63	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.20*	
21 13 13 00-0221	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	4.97	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.26*	
21 13 13 00-0222	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	4.59	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-2.19*	
21 13 13 00-0223	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	4.59	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-2.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0224	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	5.37	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.33*	
21 13 13 00-0225	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.58	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-2.19*	
21 13 13 00-0226	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	4.58	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-2.19*	
21 13 13 00-0227	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.28	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-3.22*	
21 13 13 00-0228	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	7.08	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.19*	
21 13 13 00-0229	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	7.14	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-3.20*	
21 13 13 00-0230	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.35	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-3.24*	
21 13 13 00-0231	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	7.14	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-3.20*	
21 13 13 00-0232	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	7.28	3.41
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-3.22*	
21 13 13 00-0233	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	
21 13 13 00-0234	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	
21 13 13 00-0235	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	
21 13 13 00-0236	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0237	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	
21 13 13 00-0238	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	13.75	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.52*	
21 13 13 00-0239	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	15.62	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-4.86*	
21 13 13 00-0240	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	16.06	3.33
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000, Deduct	*-4.94*	

21 13 13 00-0241 Coverplate For Sprinkler Heads *(21 13 13 00-0194)*

21 13 13 00-0242	EA	Chrome Coverplate For Concealed Pendent Sprinkler Head	30.69	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.99*	
		For >500 To 1,000, Deduct	*-6.59*	
		For >1,000, Deduct	*-7.84*	
21 13 13 00-0243	EA	White Coverplate For Concealed Pendent Sprinkler Head	15.79	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 500, Deduct	*-2.13*	
		For >500 To 1,000, Deduct	*-3.91*	
		For >1,000, Deduct	*-5.16*	
21 13 13 00-0244	EA	Specialty Coverplate For Concealed Pendent Sprinkler Head	22.25	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 500, Deduct	*-2.94*	
		For >500 To 1,000, Deduct	*-5.07*	
		For >1,000, Deduct	*-6.32*	
21 13 13 00-0245	EA	Brass Coverplate For Concealed Sidewall Sprinkler Head	20.58	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.02*	
21 13 13 00-0246	EA	Chrome Coverplate For Concealed Sidewall Sprinkler Head	16.77	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-5.34*	
21 13 13 00-0247	EA	White Coverplate For Concealed Sidewall Sprinkler Head	16.77	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-5.34*	
21 13 13 00-0248	EA	Off-White Coverplate For Concealed Sidewall Sprinkler Head	20.58	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.02*	
21 13 13 00-0249	EA	Black Painted Coverplate For Concealed Sidewall Sprinkler Head	20.58	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.02*	
21 13 13 00-0250	EA	Black Plated Coverplate For Concealed Sidewall Sprinkler Head	23.59	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 500, Deduct	*-3.11*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-6.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0251	EA	Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	23.59	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 500, Deduct	*-3.11*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-6.57*	
21 13 13 00-0252	EA	Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	23.59	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 500, Deduct	*-3.11*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-6.57*	
21 13 13 00-0253	EA	Specialty Coverplate For Concealed Sidewall Sprinkler Head	20.59	3.76
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.03*	
21 13 13 00-0254	EA	White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	34.25	4.42
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 500, Deduct	*-4.47*	
		For >500 To 1,000, Deduct	*-7.42*	
		For >1,000, Deduct	*-8.90*	
21 13 13 00-0255		**Sprinkler Escutcheon Extension Tube** *(21 13 13 00-0194)*		
21 13 13 00-0256	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	8.41	2.22
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-2.88*	
21 13 13 00-0257	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	10.69	2.33
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.36*	
21 13 13 00-0258	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	13.24	2.44
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-3.89*	
21 13 13 00-0259	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	15.52	2.55
		For >25 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 500, Deduct	*-2.05*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000, Deduct	*-4.36*	
21 13 13 00-0260		**Sprinkler Head Guards** *(21 13 13 00-0194)*		
21 13 13 00-0261	EA	Universal Sprinkler Head Guard, C-1	14.08	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 500, Deduct	*-2.04*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-6.63*	
21 13 13 00-0262	EA	Dry Pendent Sprinkler Head Guard, C-2	15.24	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-6.84*	
21 13 13 00-0263	EA	Upright Sprinkler Head Guard With Water Shield, C-3	17.23	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 500, Deduct	*-2.43*	
		For >500 To 1,000, Deduct	*-4.98*	
		For >1,000, Deduct	*-7.20*	
21 13 13 00-0264	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	19.67	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.74*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-7.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0265	EA	Universal Sprinkler Head Guard, D-1	15.20	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.83*	
21 13 13 00-0266	EA	Upright Sprinkler Head Guard With Water Shield, D-3	15.95	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-6.97*	
21 13 13 00-0267	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	21.57	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000, Deduct	*-7.98*	
21 13 13 00-0268	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	20.44	6.64
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-5.56*	
		For >1,000, Deduct	*-7.78*	

21 13 13 00-0269 Replacement Sprinkler Escutcheon *(21 13 13 00-0194)*

21 13 13 00-0270	EA	Push On, Brass Replacement Sprinkler Escutcheon	6.29	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.50*	
21 13 13 00-0271	EA	Push On, Chrome Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0272	EA	Push On, White Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0273	EA	Flush, Brass Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0274	EA	Flush, Chrome Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0275	EA	Flush, White Replacement Sprinkler Escutcheon	7.40	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.70*	
21 13 13 00-0276	EA	Deep, Brass Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0277	EA	Deep, Chrome Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	
21 13 13 00-0278	EA	Deep, White Replacement Sprinkler Escutcheon	6.25	2.44
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.49*	

21 13 13 00-0279 Pendent Shield And O-Ring Assembly *(21 13 13 00-0194)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0280	EA	Pendent Shield And O-Ring Assembly	10.46	4.87
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.61*	
21 13 13 00-0281		Replacement Insulating Sealing Assembly *(21 13 13 00-0194)*		
21 13 13 00-0282	EA	Replacement Insulating Sealing Assembly	40.67	11.07
		For >100 To 500, Deduct	*-5.64*	
		For >500 To 1,000, Deduct	*-11.08*	
21 13 13 00-0283		Flexible Sprinkler Piping *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0284	EA	2' Long Stainless Steel Flexible Sprinkler Piping	45.85	11.44
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 500, Deduct	*-6.31*	
		For >500 To 1,000, Deduct	*-12.17*	
		For >1,000, Deduct	*-16.79*	
21 13 13 00-0285	EA	3' Long Stainless Steel Flexible Sprinkler Piping	50.55	11.81
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-13.23*	
		For >1,000, Deduct	*-18.08*	
21 13 13 00-0286	EA	4' Long Stainless Steel Flexible Sprinkler Piping	55.34	12.55
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 500, Deduct	*-7.56*	
		For >500 To 1,000, Deduct	*-14.32*	
		For >1,000, Deduct	*-19.44*	
21 13 13 00-0287	EA	5' Long Stainless Steel Flexible Sprinkler Piping	60.32	13.28
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 500, Deduct	*-8.22*	
		For >500 To 1,000, Deduct	*-15.47*	
		For >1,000, Deduct	*-20.90*	
21 13 13 00-0288	EA	6' Long Stainless Steel Flexible Sprinkler Piping	65.49	14.76
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.72*	
		For >100 To 500, Deduct	*-8.91*	
		For >500 To 1,000, Deduct	*-16.69*	
		For >1,000, Deduct	*-22.46*	
21 13 13 00-0289		Sprinkler Emergency Cabinets *(21 13 13 00-0011)*		
21 13 13 00-0290	EA	3 Capacity Emergency Sprinkler Cabinet, A4	62.54	
21 13 13 00-0291	EA	6 Capacity Emergency Sprinkler Cabinet, A4	66.23	
21 13 13 00-0292	EA	12 Capacity Emergency Sprinkler Cabinet, A4	60.34	
21 13 13 00-0293	EA	12 Capacity Emergency Sprinkler Cabinet, A3	194.06	
21 13 13 00-0294	EA	Sprinkler Wrench, RC1	84.81	
21 13 13 00-0295	EA	Sprinkler Wrench, FC	76.80	
21 13 13 00-0296	EA	Sprinkler Wrench, W2	28.05	
21 13 16		**Dry-Pipe Sprinkler Systems** *(21 13)*		
21 13 16 00-0001		Complete Dry-Pipe Sprinkler Systems *(21 13 16)*		
		Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002		Light Hazard, Dry-Pipe Sprinkler Systems *(21 13 16 00-0001)*		
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head	332.98	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*153.92*	
		For >5 To 10, Add	*85.11*	
		For >10 To 20, Add	*64.38*	
		For >20 To 40, Add	*27.01*	
		For >100 To 150, Deduct	*-33.30*	
		For >150, Deduct	*-66.60*	
		For Copper Pipe, Add	*39.59*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-56.23*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	418.12	
		For Up To 5, Add	*195.36*	
		For >5 To 10, Add	*112.09*	
		For >10 To 20, Add	*83.98*	
		For >20 To 40, Add	*34.96*	
		For >100 To 150, Deduct	*-41.81*	
		For >150, Deduct	*-83.62*	
		For Copper Pipe, Add	*48.66*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-69.57*	

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	337.76	
		For Up To 5, Add	*155.57*	
		For >5 To 10, Add	*84.94*	
		For >10 To 20, Add	*64.48*	
		For >20 To 40, Add	*27.12*	
		For >100 To 150, Deduct	*-33.78*	
		For >150, Deduct	*-67.55*	
		For Copper Pipe, Add	*40.43*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-57.32*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	420.81	
		For Up To 5, Add	*196.10*	
		For >5 To 10, Add	*111.51*	
		For >10 To 20, Add	*83.74*	
		For >20 To 40, Add	*34.93*	
		For >100 To 150, Deduct	*-42.08*	
		For >150, Deduct	*-84.16*	
		For Copper Pipe, Add	*49.24*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-70.28*	

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	316.82	
		For Up To 5, Add	*145.80*	
		For >5 To 10, Add	*79.36*	
		For >10 To 20, Add	*60.29*	
		For >20 To 40, Add	*25.38*	
		For >100 To 150, Deduct	*-31.68*	
		For >150, Deduct	*-63.36*	
		For Copper Pipe, Add	*37.99*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-53.83*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	391.74	
		For Up To 5, Add	*182.57*	
		For >5 To 10, Add	*103.85*	
		For >10 To 20, Add	*77.98*	
		For >20 To 40, Add	*32.52*	
		For >100 To 150, Deduct	*-39.17*	
		For >150, Deduct	*-78.35*	
		For Copper Pipe, Add	*45.83*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-65.41*	

21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment *(21 13 16 00-0001)*

21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,610.21	227.08
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,679.23	227.08
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,737.46	227.08
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	1,963.93	227.08

21 13 16 00-0016 Dry-Pipe Sprinkler System Components *(21 13 16)*

Note: Excludes hydraulic calculations.

21 13 16 00-0017 Dry Pipe Alarm Valves *(21 13 16 00-0016)*

21 13 16 00-0018	EA	2" Dry Pipe Alarm Valve	1,321.34	585.28
21 13 16 00-0019	EA	3" Dry Pipe Alarm Valve	1,773.60	798.94
21 13 16 00-0020	EA	4" Dry Pipe Alarm Valve	3,192.97	1,118.53
21 13 16 00-0021	EA	6" Dry Pipe Alarm Valve	4,062.90	1,321.58
21 13 16 00-0022	EA	8" Dry Pipe Alarm Valve	5,030.92	1,453.74

21 13 16 00-0023 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0024	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	123.85	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-16.59*	
		For >500 To 1,000, Deduct	*-29.82*	
		For >1,000, Deduct	*-38.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0025	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	128.43	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 500, Deduct	*-17.16*	
		For >500 To 1,000, Deduct	*-30.65*	
		For >1,000, Deduct	*-39.50*	
21 13 16 00-0026	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	133.02	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.87*	
		For >100 To 500, Deduct	*-17.73*	
		For >500 To 1,000, Deduct	*-31.47*	
		For >1,000, Deduct	*-40.33*	
21 13 16 00-0027	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	137.61	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-18.31*	
		For >500 To 1,000, Deduct	*-32.30*	
		For >1,000, Deduct	*-41.15*	
21 13 16 00-0028	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	142.20	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.32*	
		For >100 To 500, Deduct	*-18.88*	
		For >500 To 1,000, Deduct	*-33.12*	
		For >1,000, Deduct	*-41.98*	
21 13 16 00-0029	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	146.79	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.55*	
		For >100 To 500, Deduct	*-19.46*	
		For >500 To 1,000, Deduct	*-33.95*	
		For >1,000, Deduct	*-42.81*	
21 13 16 00-0030	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	151.37	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.78*	
		For >100 To 500, Deduct	*-20.03*	
		For >500 To 1,000, Deduct	*-34.77*	
		For >1,000, Deduct	*-43.63*	
21 13 16 00-0031	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	155.97	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.01*	
		For >100 To 500, Deduct	*-20.60*	
		For >500 To 1,000, Deduct	*-35.60*	
		For >1,000, Deduct	*-44.46*	
21 13 16 00-0032	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	160.55	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.24*	
		For >100 To 500, Deduct	*-21.18*	
		For >500 To 1,000, Deduct	*-36.43*	
		For >1,000, Deduct	*-45.28*	
21 13 16 00-0033	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	165.14	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.47*	
		For >100 To 500, Deduct	*-21.75*	
		For >500 To 1,000, Deduct	*-37.25*	
		For >1,000, Deduct	*-46.11*	
21 13 16 00-0034	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	169.73	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.70*	
		For >100 To 500, Deduct	*-22.32*	
		For >500 To 1,000, Deduct	*-38.08*	
		For >1,000, Deduct	*-46.94*	
21 13 16 00-0035	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	174.32	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.93*	
		For >100 To 500, Deduct	*-22.90*	
		For >500 To 1,000, Deduct	*-38.91*	
		For >1,000, Deduct	*-47.76*	
21 13 16 00-0036	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	178.91	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.16*	
		For >100 To 500, Deduct	*-23.47*	
		For >500 To 1,000, Deduct	*-39.73*	
		For >1,000, Deduct	*-48.59*	
21 13 16 00-0037	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	183.49	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 500, Deduct	*-24.04*	
		For >500 To 1,000, Deduct	*-40.56*	
		For >1,000, Deduct	*-49.41*	
21 13 16 00-0038	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	188.08	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 500, Deduct	*-24.62*	
		For >500 To 1,000, Deduct	*-41.38*	
		For >1,000, Deduct	*-50.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0039		Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*		
21 13 16 00-0040	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	122.74	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.35*	
		For >100 To 500, Deduct	*-16.45*	
		For >500 To 1,000, Deduct	*-29.62*	
		For >1,000, Deduct	*-38.48*	
21 13 16 00-0041	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	127.34	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-17.02*	
		For >500 To 1,000, Deduct	*-30.45*	
		For >1,000, Deduct	*-39.30*	
21 13 16 00-0042	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	131.93	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 500, Deduct	*-17.60*	
		For >500 To 1,000, Deduct	*-31.28*	
		For >1,000, Deduct	*-40.13*	
21 13 16 00-0043	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	136.51	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.04*	
		For >100 To 500, Deduct	*-18.17*	
		For >500 To 1,000, Deduct	*-32.10*	
		For >1,000, Deduct	*-40.96*	
21 13 16 00-0044	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	141.10	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.27*	
		For >100 To 500, Deduct	*-18.74*	
		For >500 To 1,000, Deduct	*-32.93*	
		For >1,000, Deduct	*-41.78*	
21 13 16 00-0045	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	145.68	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.50*	
		For >100 To 500, Deduct	*-19.32*	
		For >500 To 1,000, Deduct	*-33.75*	
		For >1,000, Deduct	*-42.61*	
21 13 16 00-0046	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	150.28	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.73*	
		For >100 To 500, Deduct	*-19.89*	
		For >500 To 1,000, Deduct	*-34.58*	
		For >1,000, Deduct	*-43.43*	
21 13 16 00-0047	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	154.87	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 500, Deduct	*-20.47*	
		For >500 To 1,000, Deduct	*-35.40*	
		For >1,000, Deduct	*-44.26*	
21 13 16 00-0048	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	159.44	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.19*	
		For >100 To 500, Deduct	*-21.04*	
		For >500 To 1,000, Deduct	*-36.23*	
		For >1,000, Deduct	*-45.08*	
21 13 16 00-0049	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	164.03	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.42*	
		For >100 To 500, Deduct	*-21.61*	
		For >500 To 1,000, Deduct	*-37.05*	
		For >1,000, Deduct	*-45.91*	
21 13 16 00-0050	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	168.62	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-22.18*	
		For >500 To 1,000, Deduct	*-37.88*	
		For >1,000, Deduct	*-46.74*	
21 13 16 00-0051	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	173.21	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-10.87*	
		For >100 To 500, Deduct	*-22.76*	
		For >500 To 1,000, Deduct	*-38.71*	
		For >1,000, Deduct	*-47.56*	
21 13 16 00-0052	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	186.98	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.56*	
		For >100 To 500, Deduct	*-24.48*	
		For >500 To 1,000, Deduct	*-41.18*	
		For >1,000, Deduct	*-50.04*	
21 13 16 00-0053	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	191.57	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.79*	
		For >100 To 500, Deduct	*-25.05*	
		For >500 To 1,000, Deduct	*-42.01*	
		For >1,000, Deduct	*-50.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0054	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	193.40	14.62
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-11.88*	
		For >100 To 500, Deduct	*-25.28*	
		For >500 To 1,000, Deduct	*-42.34*	
		For >1,000, Deduct	*-51.20*	
21 13 16 00-0055		Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*		
21 13 16 00-0056	EA	23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	515.26	14.62
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-28.16*	
		For >100 To 500, Deduct	*-65.61*	
		For >500 To 1,000, Deduct	*-100.90*	
		For >1,000, Deduct	*-110.50*	
21 13 16 00-0057	EA	30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	515.26	14.62
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-28.16*	
		For >100 To 500, Deduct	*-65.61*	
		For >500 To 1,000, Deduct	*-100.90*	
		For >1,000, Deduct	*-110.50*	
21 13 16 00-0058	EA	36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	515.26	14.62
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-28.16*	
		For >100 To 500, Deduct	*-65.61*	
		For >500 To 1,000, Deduct	*-100.90*	
		For >1,000, Deduct	*-110.50*	
21 13 16 00-0059	EA	36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	515.26	14.62
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-28.16*	
		For >100 To 500, Deduct	*-65.61*	
		For >500 To 1,000, Deduct	*-100.90*	
		For >1,000, Deduct	*-110.50*	
21 13 19		**Preaction Sprinkler Systems** *(21 13)*		
21 13 19 00-0001		Complete Preaction Sprinkler Systems *(21 13 19)*		
		Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002		Ordinary Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	319.20	
		For Up To 5, Add	*148.15*	
		For >5 To 10, Add	*94.54*	
		For >10 To 20, Add	*62.62*	
		For >20 To 40, Add	*26.19*	
		For >100 To 150, Deduct	*-31.92*	
		For >150, Deduct	*-63.84*	
21 13 19 00-0004		Extra Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	297.20	
		For Up To 5, Add	*137.95*	
		For >5 To 10, Add	*88.05*	
		For >10 To 20, Add	*58.33*	
		For >20 To 40, Add	*24.40*	
		For >100 To 150, Deduct	*-29.72*	
		For >150, Deduct	*-59.44*	
21 13 26		**Deluge Fire-Suppression Sprinkler Systems** *(21 13)*		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)* See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002		Deluge Valves With Required Trim And Release Equipment *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment	4,008.25	410.06
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment	4,592.98	461.27
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment	5,729.24	670.95
21 13 39		**Foam-Water Systems** *(21 13)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Foam Control Valve	1,976.82	410.06
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	1,822.26	461.27
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	1,629.51	670.95
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	1,907.42	92.26
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.85	1.18
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.55	1.25
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.63	1.40
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.83	1.55
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.67	1.69
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.71	1.92
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	16.18	2.29
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	18.88	7.09
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	24.75	8.86
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	30.96	11.07
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	35.24	12.26
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	39.91	13.73
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	49.84	15.57
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	60.83	18.46
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	19.29	7.09
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	24.09	8.86
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	30.46	11.07
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	34.44	12.26
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	38.91	13.73
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	47.34	15.57
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	58.08	18.46
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	28.15	10.62
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	36.48	13.36
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	46.33	16.68
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	52.96	18.46
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	61.60	20.52
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	75.10	23.39
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	88.72	27.61
21 13 41 00-0034		Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	33.73	12.47
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	43.70	15.57
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	48.87	17.20
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	57.38	19.19
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	67.48	21.84
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	79.45	25.75
21 13 41 00-0041		Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	37.93	14.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	47.55	17.79
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	59.83	22.21
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	67.31	24.57
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	78.22	27.39
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	99.15	31.14
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	12.93	4.73
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.31	6.35
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	22.94	8.34
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	26.06	9.22
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	29.80	10.26
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.52	11.66
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	42.75	13.80
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	6.58	2.36
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.48	3.84
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	11.94	4.13
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	13.64	4.58
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.05	5.17
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	19.24	5.83
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	24.77	6.93
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	18.36	7.02
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.30	9.15
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	26.86	10.11
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	30.51	11.29
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	36.05	12.84
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	43.84	15.20
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	15.90	5.17
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	20.57	7.02
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	15.90	5.17
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	20.57	7.02
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	18.66	6.35
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	23.79	7.97
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	24.62	7.97
21 13 41 00-0081		**Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.69	10.62
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	37.81	13.36
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	49.04	16.68
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	55.83	18.46
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	65.10	20.52

21 20 Fire-Extinguishing Systems *(21)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001 Carbon Dioxide Cylinders *(21 21 16)*

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	1,391.08	187.45
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	2,782.15	374.91
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	228.97	97.13
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	99.04	34.26
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	27.55	13.89

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,174.69	63.91
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,337.90	63.91
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,359.36	63.91
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	1,928.67	85.21
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,036.56	85.21
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	2,179.40	106.51
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	2,310.95	106.51
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	3,480.50	127.81
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	29.15	127.81

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	113.19	10.65
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	115.97	10.65
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	122.94	10.65
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	127.81	10.65
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	134.77	10.65
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	155.64	10.65
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	113.19	10.65
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	115.97	10.65
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	122.94	10.65
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	127.81	10.65
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	134.77	10.65
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	155.64	10.65

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	10.69	3.19
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	11.88	3.19
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	16.87	7.46
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	38.00	9.54
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	55.28	9.54
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	66.30	9.54
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	34.02	9.54
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	240.71	85.21
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	228.04	63.91
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	499.65	85.21

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	38.01	10.65
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	41.16	10.65

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	116.81	31.95
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	123.08	31.95
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	131.08	31.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	301.31	33.92
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	424.89	58.20
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	97.59	21.31
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	353.75	21.31
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	298.75	21.31
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,303.61	85.21
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	35.65	14.91
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	61.68	14.91
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	167.48	10.65
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	217.16	10.65
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	131.50	42.60
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	126.98	17.89
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	394.82	74.55
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	446.06	14.91
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	466.95	14.91
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	501.30	21.31
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	36.70	12.78
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	45.76	14.91
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	155.79	63.91
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	179.67	63.91
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	199.50	63.91
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	263.54	63.91
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	44.10	17.04
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	68.99	10.65
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	94.47	21.31
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	255.33	85.21
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	377.14	85.21
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,231.21	85.21
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	134.82	21.11
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	156.40	22.68
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	279.85	41.07
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	565.08	93.53
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,330.05	123.43
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	40.09	6.47
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	470.07	69.35
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,463.51	217.01
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,397.87	221.08
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
		Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,224.14	198.61
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,388.60	225.02
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	1,980.57	291.60
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	1,988.65	356.32
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,440.15	250.89
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,032.50	317.57

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,109.55	382.90
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	46.16	7.22
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	46.16	7.22
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	55.53	8.02
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	879.64	137.81
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	14.78	2.11
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	20.97	3.01
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	16.29	2.36
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	15.10	2.36
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	65.60	10.17
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	68.84	10.65
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	79.94	12.30
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	89.17	13.89
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	102.27	15.97
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	100.50	15.74
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	104.24	16.20
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	96.16	15.00
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	98.67	16.20
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	114.31	17.82
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	122.20	18.98
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	131.57	20.37
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	226.54	35.65
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	299.51	46.76
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	326.56	51.39
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	117.06	18.51
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	138.06	21.67
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	113.61	17.82
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	121.32	18.89
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	122.39	18.98
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	147.75	23.05
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	159.27	25.00
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	244.48	38.36
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	285.49	44.91
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	312.82	49.08
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	131.57	20.37
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	161.46	25.37
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	173.67	27.32
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	244.48	38.36
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	267.17	42.04
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	313.90	49.08
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	364.98	57.55
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	431.54	68.06
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	549.82	134.27
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	705.84	157.42
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	911.23	263.90
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	536.59	134.27
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	594.07	93.78
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	911.23	263.90
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	547.73	134.27
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	617.43	97.46
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	894.52	263.90
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	619.26	102.32
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,013.77	158.75
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,439.84	211.53
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,524.45	215.17
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	71.51	10.94
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	85.79	14.49
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	816.12	113.25
21 22 16 00-0165		Replacement Orifice Plates, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	88.88	10.75
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	93.16	11.32
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	97.74	11.51
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	104.77	11.90
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	109.19	13.05
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	109.92	14.11
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	242.69	37.82
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	244.86	38.20
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	313.90	48.95
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	114.31	17.82
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	160.43	40.75
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	293.24	26.35
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	250.59	39.34
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	525.64	263.90
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	157.11	24.60
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	184.42	28.71
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	522.12	263.90
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	163.60	25.77
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	191.63	30.03
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	539.52	263.90
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	31.32	1.95
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	31.71	2.15
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	34.21	2.55
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	20.03	3.13
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	164.29	23.80
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	123.93	23.80
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0001)*		
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	129.17	20.54
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	146.82	23.42

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	186.75	29.76
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	201.15	32.05
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	251.91	40.31
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	268.10	42.81
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	513.98	82.54
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	41.27	6.14
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	111.91	17.85
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	164.08	26.10
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	14.97	2.38
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,289.78	207.11
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,081.20	173.52
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	839.34	134.74
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	731.00	117.28
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	731.00	117.28
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	585.56	93.86
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,081.20	173.52
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	219.86	35.13
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	275.67	44.15
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	552.83	88.68
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	93.39	14.87
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	127.08	20.54
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	219.87	35.13
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	171.20	28.60
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	10.63	1.96
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	71.64	2.38
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	11.56	2.38
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	380.71	64.11
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	228.16	38.20
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	167.28	24.57
21 22 16 00-0233	EA	12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	350.00	52.02
21 22 16 00-0234	EA	18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	395.04	58.93
21 22 16 00-0235	EA	25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	515.00	71.79
21 22 16 00-0236	EA	55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	832.50	124.57
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	124.84	19.77
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	223.13	35.70
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	453.84	72.75
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,319.49	211.91
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	964.94	154.90

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	101.70	16.41
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	95.24	16.31
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	129.41	23.42
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	191.09	30.52
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	148.83	24.77
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	139.93	23.80
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	22.29	3.80
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	82.12	13.43
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	82.04	13.05
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	30.70	10.75
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	7.55	1.19
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	78.97	12.57
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	46.26	7.41
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	125.14	19.58
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	65.48	10.36
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	18.80	2.79
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	11.61	1.54
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	164.08	26.10
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	492.59	75.05
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	942.29	151.26
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	25.11	3.91
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	127.23	18.43
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	304.24	27.78
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	708.79	107.49
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	708.79	107.49
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,064.90	161.24
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,064.90	161.24
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,548.80	205.39
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	22.85	3.45
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	34.06	3.45
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	49.79	6.53
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	76.89	7.30
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	97.93	14.59
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	179.44	18.43

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0282		Detectors, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	5,373.58	902.16
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	6,847.49	1,113.30
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	6,194.12	1,017.32
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	8,596.62	1,343.64
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	9,052.12	1,420.42
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	8,692.23	1,362.83
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	9,180.12	1,439.61
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	9,446.20	1,497.20
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	9,858.78	1,573.97
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	10,361.62	1,650.75
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	10,805.52	1,727.53
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	10,143.71	1,573.97
21 22 16 00-0295		Displays, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	1,620.08	211.14
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	1,627.75	211.14
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,467.36	191.94
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,476.27	191.94
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	1,823.16	230.33
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	1,550.22	199.62
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	1,698.25	224.20
21 22 16 00-0303		Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	4,097.94	633.43
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	3,371.47	506.74
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,195.03	191.94
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	857.16	124.76
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,192.92	168.14
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	1,447.30	207.30
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	224.87	31.10
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,499.93	191.94
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,076.57	159.32
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	844.98	122.85
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,078.24	159.32
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,076.57	159.32
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,062.66	149.72
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	126.20	13.43
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	5,137.62	737.08
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	8,953.64	1,289.89
21 22 16 00-0320	EA	Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473)	116.26	57.58
21 22 16 00-0321	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	698.53	95.97
21 22 16 00-0322	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	15.83	1.92
21 22 16 00-0323	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	8.76	0.38
21 22 16 00-0324	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	385.48	55.67
21 22 16 00-0325	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	467.04	67.56
21 22 16 00-0326	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	674.30	97.89
21 22 16 00-0327	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	99.39	14.59
21 22 16 00-0328	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	15.71	3.07
21 22 16 00-0329		Labels And Decals, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0330	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	14.16	2.30
21 22 16 00-0331	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	14.93	2.69
21 22 16 00-0332	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	22.85	3.45
21 22 16 00-0333	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	22.88	3.45
21 22 16 00-0334	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	83.10	13.05
21 22 16 00-0335		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0336	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	204.09	27.64
21 22 16 00-0337	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	274.90	36.85
21 22 16 00-0338	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	281.87	40.31
21 22 16 00-0339	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	675.79	57.58
21 22 16 00-0340	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,004.79	126.68
21 22 16 00-0341		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0342	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	3.98	1.18
21 22 16 00-0343	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	6.77	2.36
21 22 16 00-0344	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	18.56	7.09
21 22 16 00-0345	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	19.19	7.09
21 22 16 00-0346	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	13.24	4.73
21 22 16 00-0347	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	21.37	7.09
21 22 16 00-0348	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	28.54	10.62
21 22 16 00-0349	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	35.76	12.47
21 22 16 00-0350	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	3.92	1.39
21 22 16 00-0351	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	15.29	4.23
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	18.16	3.07
21 22 16 00-0353	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	25.99	4.23
21 22 16 00-0354		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0355	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,175.27	147.41
21 22 16 00-0356	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,202.82	169.68
21 22 16 00-0357	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	728.28	103.65
21 22 16 00-0358	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	831.83	117.08
21 22 16 00-0359	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,175.27	147.41
21 22 16 00-0360	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,416.19	169.68
21 22 16 00-0361	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	402.75	52.21
21 22 16 00-0362	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	606.09	79.85
21 22 16 00-0363	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,145.17	165.08
21 22 16 00-0364	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,679.92	241.86
21 22 16 00-0365		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0366		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0365)*		
21 22 16 00-0367	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	90.79	13.43
21 22 16 00-0368	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	67.90	9.98
21 22 16 00-0369		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0370		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0369)*		
21 22 16 00-0371	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,204.56	354.14
21 22 16 00-0372	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	66.76	8.14
21 22 16 00-0373	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	66.56	10.56

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0374	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	39.66	6.33
21 22 16 00-0375	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	16.20	2.58
21 22 16 00-0376		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0369)*		
21 22 16 00-0377	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	75.03	11.13
21 22 16 00-0378	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	105.79	15.74
21 22 16 00-0379	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	826.11	123.62
21 22 16 00-0380	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	24.01	3.57
21 22 16 00-0381	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	10.77	1.59
21 22 16 00-0382		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0383		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0382)*		
21 22 16 00-0384	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	43.51	6.45
21 22 16 00-0385	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	80.33	12.48
21 22 16 00-0386	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	80.33	12.48
21 22 16 00-0387		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0388	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system	2,507.34	92.60
21 22 16 00-0389	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system	3,589.69	106.02
21 22 16 00-0390	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system	4,260.97	125.01
21 22 16 00-0391	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system	5,644.26	148.16
21 22 16 00-0392	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system	8,814.54	185.20
21 22 16 00-0393	EA	Electro/Mechanical Release, For FM200 Fire Protection system	539.28	185.20
21 22 16 00-0394	EA	Manual Pull Station, For FM200 Fire Protection system	186.47	61.58
21 22 16 00-0395	EA	Pneumatic Damper Release, For FM200 Fire Protection system	212.23	46.30
21 22 16 00-0396	LB	FM200 Gas	16.31	
21 22 16 00-0397	EA	Master Cylinder, For FM200 Fire Protection system	4,073.88	49.82
21 22 16 00-0398	EA	Shuttle Check Valve, For FM200 Fire Protection system	504.62	69.64
21 22 16 00-0399	EA	Flex Head Cylinder, For FM200 Fire Protection system	505.76	74.64
21 22 16 00-0400	EA	Nozzles, For FM200 Fire Protection system	130.19	26.40
21 22 16 00-0401	EA	Cylinder Support, For FM200 Fire Protection system	162.72	49.82
21 22 16 00-0402	EA	Solenoid Valve, For FM200 Fire Protection system	643.36	74.64
21 22 16 00-0403	EA	Battery Back-Up, For FM200 Fire Protection system	560.63	196.86
21 22 16 00-0404	EA	Control Panel, Single Zone, For FM200 Fire Protection system	3,026.56	369.84
21 22 16 00-0405	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	4,929.14	740.51
21 22 16 00-0406	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	230.77	74.64
21 22 16 00-0407	EA	Annunciator, For FM200 Fire Protection system	2,447.65	280.30
21 22 16 00-0408	EA	Pressure Switch, For FM200 Fire Protection system	247.00	74.64
21 22 16 00-0409	EA	Alarm Horn, For FM200 Fire Protection system	229.20	74.64
21 22 16 00-0410	EA	Testing, For FM200 Fire Protection system	1,119.53	
21 22 16 00-0411	EA	Abort Switch, For FM200 Fire Protection system	149.29	34.73

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	580.32	76.69
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	670.95	95.52
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	822.65	117.84
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	971.81	139.83
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	32.37	4.01
21 23 16 00-0008	EA	System Valve Actuator	117.14	15.93
21 23 16 00-0009	EA	Vent Plug	22.10	3.24
21 23 16 00-0010	EA	Gauge Shield	56.80	8.52
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	60.55	8.52
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	64.17	9.03
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	121.91	17.04
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	121.28	19.34
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	164.88	19.38
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	23.29	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	24.43	
21 23 16 00-0018		**Nozzles And Accessories** *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	54.38	7.84
21 23 16 00-0020	EA	LPF Or DM Nozzle	58.73	7.84
21 23 16 00-0021	EA	LPR Nozzle	67.68	7.84
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	40.61	5.54
21 23 16 00-0023	EA	Replacement Nozzle Seals	6.42	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	3.95	0.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	24.68	7.80
21 23 16 00-0026		**Control Systems** *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	682.80	51.12
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	60.21	8.52
21 23 16 00-0029	EA	24" High Pressure Hose	70.44	8.52
21 23 16 00-0030	EA	60" High Pressure Hose	93.16	8.52
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 VDC	137.48	17.04
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	46.69	8.01
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	50.10	8.01
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector & O-Ring)	21.87	6.39
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	386.42	33.02
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	56.87	8.01
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	102.58	13.89
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	316.00	44.56
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	40.34	12.78
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	55.10	12.78
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	135.19	8.52
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	104.52	8.52
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	15.90	2.30
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	209.80	14.06
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	26.57	3.75
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	55.10	4.26
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	1.97	0.86
21 23 16 00-0049	EA	Cable Clamp	7.68	0.42
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.16	0.34
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.13	0.34
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	56.68	7.92
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	13.56	4.26
21 23 16 00-0055	EA	KGS Rapid Response Link	18.61	4.26
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	16.35	4.26
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	16.47	4.26
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	23.29	4.26
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	246.34	18.41
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	269.68	22.66
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	311.21	28.63
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	342.38	32.98
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	371.74	38.94
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	612.01	56.92
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	684.76	65.87
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	279.74	20.79
21 23 16 00-0068	EA	Replacement Cable Block And Set Screw Assembly For Gas Valve	33.51	4.26
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	255.94	17.13
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	258.51	18.41
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	395.76	22.66
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	421.64	28.63
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	484.11	32.98
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	620.42	38.94
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,021.55	56.92
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	1,280.37	65.87
21 23 16 00-0077	EA	Manual Reset Relay	384.32	85.63
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	Compression Seal Adapter - 3/8" Tubing	28.89	3.58
21 23 16 00-0080	EA	Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe	28.65	3.91
21 23 16 00-0081	EA	Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe	33.70	4.69
21 23 16 00-0082	EA	Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe	38.67	5.03
21 23 16 00-0083	EA	Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT)	33.70	4.69
21 23 16 00-0084	EA	Quik-Seal Adapter - 3/8" NPT Female	28.65	3.91
21 23 16 00-0085	EA	Quik-Seal Adapter - 1/2" NPT Female	28.65	3.91
21 23 16 00-0086	EA	Quik-Seal Adapter - 3/4" NPT Female	47.17	6.64
21 23 16 00-0087	EA	Quik-Seal Adapter - 1" NPT Female	62.78	8.78
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	28.65	3.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	207.08	25.73
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	187.23	26.25
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	139.82	6.47
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	537.06	74.21
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	114.36	15.85
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	169.00	15.85
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	165.06	11.25
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	52.65	7.16
21 23 16 00-0098	EA	Replacement Receiver Gasket For KRS-100 Actuator Assembly	6.88	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	430.57	59.65
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	479.20	60.49
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	690.30	87.16
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	909.91	119.21
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	99.49	14.23
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	654.73	93.04
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	399.75	56.75
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	12.91	1.87
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	12.91	1.87
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	13.19	1.87
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	12.91	1.87
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	12.91	1.87
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	13.92	1.87
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	22.36	3.15
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	29.05	4.18
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	47.41	21.56
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	285.24	47.97
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	222.65	18.41
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	254.84	22.66
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	278.07	28.63
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	306.90	32.89
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	353.78	38.86
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	799.79	56.83
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	857.15	65.78
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	177.57	18.41
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	296.53	22.66
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	313.00	28.63
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	356.47	32.89
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	488.99	38.86
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	932.73	56.83
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	987.86	65.78
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	46.09	6.31
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	64.77	8.01
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	233.74	8.01
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	17.10	2.48
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	560.07	80.01
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	713.91	102.33
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	366.15	52.40
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	441.77	63.14
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	403.95	57.77
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	421.73	60.41
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	549.23	78.56

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	630.19	90.32
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	51.19	7.33
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	12.37	1.20
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	12.91	1.53
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	41.03	5.88
21 23 16 00-0155	EA	Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.56	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	44.61	6.39
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	89.34	12.70
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	189.06	26.92
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	0.97	0.25
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.65	0.25
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.20	0.34
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.44	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	42.44	6.14
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	44.29	6.39
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.18	0.76
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	60.60	8.35
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	8.53	1.20
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	11.89	1.70
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.18	0.76
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	7.31	1.03
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	7.14	1.03
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.03	0.25
21 23 16 00-0176	EA	Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.46	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	66.19	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	444.53	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	580.16	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	671.64	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	20.75	2.90
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	21.50	3.07
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	41.37	5.88
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	58.57	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	125.86	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	83.69	12.02
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	92.36	16.87
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	22.36	3.15
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.44	1.11
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,498.76	187.45
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,545.42	187.45
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	493.34	42.60
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	462.86	42.60

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)* Note: Amerex or equal.		
21 24 16 00-0002	EA	Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	373.02	66.12
21 24 16 00-0003	EA	Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	514.53	83.40
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	122.19	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	214.82	
21 24 16 00-0006	EA	Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	85.53	13.88
21 24 16 00-0007	EA	Bracket Assembly Agent Cylinder 6 Gallon	49.83	8.06
21 24 16 00-0008	EA	Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	21.61	
21 24 16 00-0009	EA	Pneumatic Actuator - Agent Cylinder 6 Gallon	85.53	13.88
21 24 16 00-0010	EA	Actuator - MRM (Less N2 Cylinder And Enclosure)	214.82	34.81

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0011	EA	Enclosure - MRM, Painted Steel	114.49	18.51
21 24 16 00-0012	EA	Enclosure - MRM, Stainless Steel	137.09	18.51
21 24 16 00-0013	EA	Cabinet, Stainless Steel (Single Cylinder System)	340.88	55.27
21 24 16 00-0014	EA	Actuation Hose - (N2 - 1/4" x 16")	25.73	4.16
21 24 16 00-0015	EA	Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	114.49	18.51
21 24 16 00-0016	EA	Vent Check	20.58	3.33
21 24 16 00-0017	EA	Detector	15.43	2.49
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	Fusible Link - 280 To 450 Degree F	5.78	0.93
21 24 16 00-0019	EA	Test Link	2.26	
21 24 16 00-0020	EA	Corner Pulley	7.98	1.30
21 24 16 00-0021	EA	Cable, 1/16" - 500 Foot Spool	128.63	20.82
21 24 16 00-0022	EA	Pulley Tee	57.88	9.35
21 24 16 00-0023	EA	Manual Pull Station (Standard)	51.45	8.33
21 24 16 00-0024	EA	Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	24.14	3.88
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	57.37	9.25
21 24 16 00-0026	EA	Conduit Offset	11.45	1.85
21 24 16 00-0027	EA	Seal - 3/8" Pipe Thread (Quick-Seal)	15.78	2.60
21 24 16 00-0028	EA	Seal - 1/2" Pipe Thread (Quick-Seal)	12.86	2.13
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	21.48	3.52
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	21.48	3.52
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	6.96	2.40
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	14.35	2.40
21 24 16 00-0033	EA	Nozzle - Fryer, Griddle - 2 Flow Points Each	25.73	4.16
21 24 16 00-0034	EA	Nozzle - Appliance, Plenum - 1 Flow Points Each	25.73	4.16
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	25.73	4.16
21 24 16 00-0036	EA	Nozzle - Upright Charbroiler - 1/2 Flow Points Each	25.73	4.16
21 24 16 00-0037	EA	Nozzle - Duct (Only) - 2 Flow Points Each	25.73	4.16
21 24 16 00-0038	EA	Nozzle - Four Burner Range - 2 Flow Points Each	37.00	6.02
21 24 16 00-0039	EA	Gas Valve - Mechanical - 3/4" Or 1"	199.48	24.53
21 24 16 00-0040	EA	Gas Valve - Mechanical - 1-1/4" Or 1-1/2"	239.09	35.64
21 24 16 00-0041	EA	Gas Valve - Mechanical - 2"	296.40	42.12
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	324.14	52.48
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	17.06	2.78
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	27.53	4.45
21 24 16 00-0045	EA	Gas Valve Trip Assembly	57.88	9.35
21 24 16 00-0046		**Range Guard Fire Suppression Systems** *(21 24 16)*		
		Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	396.83	71.48
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	495.35	89.21
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	611.54	110.17
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	726.37	130.79
21 24 16 00-0051	EA	Vent Plug	16.67	2.98
21 24 16 00-0052	EA	Discharge Adapter Kit	21.47	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	44.17	7.92
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	46.75	8.43
21 24 16 00-0055	EA	4 Gallon Wall Bracket	88.28	15.93
21 24 16 00-0056	EA	6 Gallon Wall Bracket	97.84	17.64
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	345.18	62.20
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	360.13	64.84
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	413.13	74.38
21 24 16 00-0060	EA	Tandem Control Head	313.92	56.58
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	531.35	95.69
21 24 16 00-0062	EA	Mechanical Control Box	236.46	42.60
21 24 16 00-0063	EA	Tandem Control Box	236.46	42.60
21 24 16 00-0064	EA	Mechanical Control Box Adapter	69.30	12.53
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	208.29	37.49
21 24 16 00-0066	EA	Pressure Operated Actuator	85.62	15.42
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	138.62	24.97
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	141.33	25.47
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	34.65	6.22
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	399.96	72.00
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	85.62	15.42
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	85.62	15.42
21 24 16 00-0073	EA	Check Valve	75.26	18.32
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	38.73	6.98
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	16.85	3.04
21 24 16 00-0076	EA	Replacement Receiver Gasket For BMCS-Actuator Assembly	4.44	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	88.33	15.93
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	40.49	7.33
21 24 16 00-0079	EA	Nozzles; DM And LPF	45.12	8.09
21 24 16 00-0080	EA	Swivel Adapter	28.54	5.11
21 24 16 00-0081	EA	Corner Pulley	12.24	2.21
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.61	0.25
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.73	0.25
21 24 16 00-0084	EA	"S" Hook	0.54	0.17
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	42.11	7.59
21 24 16 00-0086	EA	Cable Clamp	3.76	0.68
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.54	0.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0088	EA	3/8" Cable Anchor	44.50	8.01
21 24 16 00-0089	EA	1/2" Cable Anchor	44.50	8.01
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	71.97	12.95
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	76.83	13.81
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	90.00	16.19
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	28.20	5.11
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	118.16	21.21
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	90.00	16.19
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	107.28	19.34
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	19.28	3.49
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	21.41	3.83
21 24 16 00-0099	EA	Fusible Link 165F To 360F	7.02	1.28
21 24 16 00-0100	EA	Fusible Link 500F	10.63	1.28
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	21.41	3.83
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	16.42	3.83
21 24 16 00-0103	EA	Quartzoid Link 400 F	115.43	20.79
21 24 16 00-0104	EA	Quartzoid Link 500 F	115.43	20.79
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	41.38	7.42
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	71.97	12.95
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	42.78	7.67
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	74.15	13.37
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	54.32	9.80
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	78.36	14.06
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	229.51	41.32
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	103.22	18.58
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	103.22	18.58
21 24 16 00-0114	EA	Electric Manual Pull Station	75.37	13.55
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	42.10	7.59
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	59.76	10.74
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	4.85	0.86
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	21.41	3.83
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	21.41	3.83
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	78.77	14.14
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	86.92	15.68
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	2.71	1.11
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	10.86	1.96
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	116.80	21.04
21 24 16 00-0125	EA	Suppression Abort Station	123.58	22.24
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	143.96	25.90
21 24 16 00-0127	EA	Surface Mount Back Box	47.53	8.52
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	882.73	158.74
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	882.73	158.74
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	73.33	13.20
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.89	0.59
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	638.23	
21 24 16 00-0133	EA	Extra Scorpio Key	10.86	
21 24 16 00-0134	EA	Extra Scorpio Manual	6.80	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	18.47	3.32
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	20.06	3.58
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	24.13	4.35
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	25.80	4.60
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	20.06	3.58
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	20.06	3.58
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	34.31	6.22
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	45.49	8.18
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	20.06	3.58
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	44.63	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	76.73	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	115.97	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	169.70	
21 24 16 00-0148	EA	Inlet Flushing Adapter	33.27	5.97
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	33.27	5.97
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	33.27	5.97
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	33.27	5.97
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	33.27	5.97
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	46.17	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	3.78	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	4.44	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.26	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.48	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	583.91	105.06
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	681.71	122.61
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	848.75	152.69
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	848.75	152.69
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,067.37	191.97
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	505.84	91.00
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	475.27	85.46
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	384.30	69.10
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	665.40	119.71
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	609.72	109.66

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

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

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

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

21 31 13 00-0002	EA	20 HP Electric Fire Pump	33,637.85	1,479.36
		For Duplex Pumping System, Add	*32,158.48*	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	39,192.36	1,664.29
		For Duplex Pumping System, Add	*37,651.35*	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	53,333.06	1,849.21
		For Duplex Pumping System, Add	*51,620.83*	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	65,687.54	2,017.87
		For Duplex Pumping System, Add	*63,669.67*	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	73,320.53	2,201.32
		For Duplex Pumping System, Add	*71,119.22*	

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

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

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

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	49,333.91	1,650.98
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	55,803.42	1,834.43
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	58,644.66	2,017.87
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	66,724.68	2,201.32
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	70,852.28	2,568.20
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	76,330.60	3,301.98
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	82,864.64	3,668.87
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	94,752.08	4,182.50
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	113,430.35	4,512.70
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	133,065.61	5,136.41
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	157,864.49	5,503.29
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	177,726.80	5,870.18

21 31 16 00-0014 Electric Controllers For Fire Pumps *(21 31 16)*

21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(21 31 16 00-0014)*

21 31 16 00-0016	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	18,742.97	165.10
21 31 16 00-0017	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	21,220.71	183.44
21 31 16 00-0018	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	22,247.15	201.79
21 31 16 00-0019	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,369.09	220.13
21 31 16 00-0020	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,799.97	256.82
21 31 16 00-0021	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,551.06	330.20
21 31 16 00-0022	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	30,944.55	366.89
21 31 16 00-0023	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	35,391.30	418.25
21 31 16 00-0024	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	42,664.48	451.27
21 31 16 00-0025	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	50,144.47	513.64
21 31 16 00-0026	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	59,843.82	550.33
21 31 16 00-0027	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	67,568.62	587.02

END OF SECTION 21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

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

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps *(22 01)*

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

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

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

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	28.11
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	29.50
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	32.48
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	34.78
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	37.88
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	48.52
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	62.82
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	73.74
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	84.74
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	44.20
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	46.33
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	51.30
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	56.39
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	62.34
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	80.70
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	99.88
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	115.05
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	130.95
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	61.42
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	64.32
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	71.12
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	78.03
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	88.15
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	108.53
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	130.30
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	157.66
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	193.02
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	198.65
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	212.63

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

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

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

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	48.96
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	16.98
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	24.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	33.32	
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	52.00	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement	35.53	
22 01 40 81-0008	EA	Shower Arm Replacement	30.17	
22 01 40 81-0009	EA	Shower Head Replacement	34.47	
22 01 40 81-0010	EA	Shower Knob Replacement	28.28	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement Note: Excludes balancing valve.	78.72	
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	19.73	
22 01 40 81-0013	EA	Sink Drain Without Stopper, 1-1/2" Replacement	11.29	
22 01 40 81-0014	EA	Sink Drain Without Stopper, 4-1/2" Replacement	11.78	
22 01 40 81-0015	EA	Sink Drain With Stopper, 1-1/2" Replacement	11.29	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	7.65	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	20.57	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	32.21	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	22.09	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	24.81	
22 01 40 81-0021	EA	Faucet Handle Replacement	27.73	
22 01 40 81-0022	EA	Faucet O-Ring Replacement	21.28	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	14.23	
22 01 40 81-0024	EA	Toilet Ballcock Replacement	31.87	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement Note: Excludes removal of toilet.	6.06	
22 01 40 81-0026	EA	Toilet Tank Replacement	129.64	
22 01 40 81-0027	EA	Toilet Bowl, 10" Replacement	158.86	
22 01 40 81-0028	EA	Toilet Bowl, 10", Low-Flush Watersaver, Replacement	172.17	
22 01 40 81-0029	EA	Toilet Bowl, 12", Replacement	185.02	
22 01 40 81-0030	EA	Toilet Bowl, Elongated, 18", Replacement	163.34	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	19.04	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement	14.84	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	15.74	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement	88.47	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement	72.00	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	129.87	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement	42.56	
22 01 40 81-0038	EA	Tub Spout Replacement	31.02	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement	8.83	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	62.22	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	30.94	
22 01 40 81-0042	EA	Faucet Bonnet Replacement	34.57	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement	21.53	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	28.79	
22 01 40 81-0045	EA	Faucet Spout Replacement	33.17	
22 01 40 81-0046	EA	Faucet Stem Replacement	24.16	
22 01 40 81-0047	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement	145.58	
22 01 40 81-0048	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement	180.93	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	113.09	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements For Plumbing Equipment *(22 05)*

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

22 05 16 Expansion Fittings And Loops For Plumbing Piping *(22 05)*

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

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

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

22 05 19 Meters And Gages For Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping *(22 05)*

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

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve *(22 05 23)*

22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0003	EA	3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	176.39	10.18
22 05 23 00-0004	EA	1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	198.60	11.57

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0006	EA	1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	230.34	12.31
22 05 23 00-0007	EA	1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	314.76	14.25

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0009	EA	3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	221.35	10.18

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0010	EA	1" 60 PSI Threaded Earthquake Gas Shutoff Valve	229.82	11.57
22 05 23 00-0011	EA	1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	255.32	12.31
22 05 23 00-0012	EA	1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	352.22	14.25
22 05 23 00-0013	EA	2" 60 PSI Threaded Earthquake Gas Shutoff Valve	833.55	16.85
22 05 23 00-0014	EA	2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	987.55	22.67
22 05 23 00-0015	EA	3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,286.40	26.42
22 05 23 00-0016	EA	4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,491.80	29.82

22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0018	EA	2" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,153.47	123.39
22 05 23 00-0019	EA	3" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,424.05	144.85
22 05 23 00-0020	EA	4" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,990.46	242.84
22 05 23 00-0021	EA	6" 60 PSI Flanged Earthquake Gas Shutoff Valve	3,298.10	289.32
22 05 23 00-0022	EA	8" 60 PSI Flanged Earthquake Gas Shutoff Valve	9,077.34	369.69

22 05 23 00-0023 Emergency Shut-Off Valve With Fusible Link *(22 05 23)*

22 05 23 00-0024 Threaded Brass, Fusible Gate Valves (Morrison Bros. 939) *(22 05 23 00-0023)*

Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.

22 05 23 00-0025	EA	1/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	57.58	14.91
		For Work In Restricted Working Space, Add	*8.09*	
22 05 23 00-0026	EA	3/8" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	59.03	15.73
		For Work In Restricted Working Space, Add	*8.52*	
22 05 23 00-0027	EA	1/2" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	92.87	14.91
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0028	EA	3/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	180.17	20.09
		For Work In Restricted Working Space, Add	*12.08*	
22 05 23 00-0029	EA	1" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	445.40	24.34
		For Work In Restricted Working Space, Add	*14.62*	

22 05 23 00-0030 Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0023)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

22 05 23 00-0031	EA	1-1/2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	345.20	14.25
22 05 23 00-0032	EA	2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	373.60	16.85
22 05 23 00-0033	EA	3" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	625.78	26.42

22 05 23 00-0034 Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0023)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

22 05 23 00-0035	EA	2" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	507.71	123.39
22 05 23 00-0036	EA	3" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	814.71	144.85
22 05 23 00-0037	EA	4" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,844.36	242.84

22 05 23 00-0038 Regulators, Clay Valve *(22 05 23)*

22 05 23 00-0039	EA	4" Regulator - Clay Valve	1,229.90	
22 05 23 00-0040	EA	8" Regulator - Clay Valve	1,669.31	
22 05 23 00-0041	EA	10" Regulator - Clay Valve	2,300.94	
22 05 23 00-0042	EA	12" Regulator - Clay Valve	2,823.69	
22 05 23 00-0043	EA	18" Regulator - Clay Valve	4,758.61	
22 05 23 00-0044	EA	24" Regulator - Clay Valve	7,659.71	

22 05 29 Hangers And Supports For Plumbing Piping And Equipment *(22 05)*

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

22 05 33 Heat Tracing For Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment *(22 05)*

22 05 48 13 Vibration Controls For Plumbing Piping And Equipment *(22 05 48)*

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

22 05 53 Identification For Plumbing Piping And Equipment *(22 05)*

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

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0002		**Cast Iron Cleanout With Plug And Round Or Square Cover** *(22 05 76 00-0001)*		
22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	381.55	49.24
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	418.26	61.75
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	520.58	74.61
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	730.56	83.49
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	890.62	90.44
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0008		**Cast Iron Heavy Duty Cleanout With Plug And Round Cover** *(22 05 76 00-0001)*		
22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	434.47	49.24
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	471.96	61.65
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	574.34	74.61
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	784.37	83.49
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	944.35	90.44
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0014		**Wall Cover For Cleanout** *(22 05 76)*		
		Note: Cover and screw only.		
22 05 76 00-0015		**Round Access Cover, Bronze Polished Top** *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	62.77	15.46
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	68.95	18.51
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	86.18	20.82
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	137.84	23.14
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	201.27	25.46
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	182.05	15.46
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	255.00	16.20
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	272.25	17.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	304.88	19.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	182.05	15.46
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	255.00	16.20
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	272.25	17.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	304.88	19.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	177.15	15.46
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	238.90	16.20
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	331.75	17.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	400.08	19.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	275.71	49.24
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	319.08	61.65
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	412.22	74.61
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	919.15	90.44
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	452.95	49.24
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	496.32	61.65
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	577.70	74.61
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,158.55	90.44
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	225.86	40.27
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	251.74	43.97
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	334.95	57.85
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	489.80	68.50
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	808.79	81.00
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	38.63	11.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	44.68	12.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	67.72	13.88
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	76.56	16.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	86.79	18.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	115.93	20.82
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	161.85	23.14
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	257.41	25.46
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	360.04	27.77
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	28.70	11.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	29.66	11.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	32.64	12.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	37.51	13.88
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	44.76	16.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	53.77	18.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	58.24	19.50
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	63.33	20.82
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	91.42	23.14
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	27.94	11.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	29.01	11.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	34.74	12.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	37.82	13.88
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	43.85	16.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	52.35	18.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	62.55	20.82
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	78.83	23.14
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 16 Plumbing Equipment Insulation *(22 07)*				
22 07 16 00-0001		**Lavatory Insulation** *(22 07 16)*		
22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	198.68	21.00
22 07 19 Plumbing Piping Insulation *(22 07)*				
22 07 19 00-0001		**Fiberglass Pipe Insulation** *(22 07 19)* Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002		**1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.29	2.05
		For Single Layer Of Felt Finish, Add	*0.08*	
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.37	2.05
		For Single Layer Of Felt Finish, Add	*0.09*	
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.76	2.14
		For Single Layer Of Felt Finish, Add	*0.09*	
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.97	2.24
		For Single Layer Of Felt Finish, Add	*0.10*	
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.14	2.24
		For Single Layer Of Felt Finish, Add	*0.11*	
		For Work In Restricted Working Space, Add	*1.83*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.55	2.33
		For Single Layer Of Felt Finish, Add	*0.12*	
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.82	2.42
		For Single Layer Of Felt Finish, Add	*0.13*	
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.19	2.52
		For Single Layer Of Felt Finish, Add	*0.15*	
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.14	2.71
		For Single Layer Of Felt Finish, Add	*0.19*	
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.74	3.17
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0013		**1" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.55	2.80
		For Single Layer Of Felt Finish, Add	*0.09*	
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.68	2.80
		For Single Layer Of Felt Finish, Add	*0.11*	
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.81	2.80
		For Single Layer Of Felt Finish, Add	*0.11*	
		For Work In Restricted Working Space, Add	*2.33*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.05	2.90
		For Single Layer Of Felt Finish, Add	*0.12*	
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.25	2.90
		For Single Layer Of Felt Finish, Add	*0.13*	
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.58	2.99
		For Single Layer Of Felt Finish, Add	*0.14*	
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.06	3.17
		For Single Layer Of Felt Finish, Add	*0.16*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.48	3.27
		For Single Layer Of Felt Finish, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.64	3.45
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.33	4.01
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.05	4.48
		For Single Layer Of Felt Finish, Add	*0.40*	
		For Work In Restricted Working Space, Add	*3.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.91	5.32
		For Single Layer Of Felt Finish, Add	*0.47*	
		For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.74	6.07
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.00*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.13	6.63
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.18*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.78	2.89
		For Single Layer Of Felt Finish, Add	*0.19*	
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.86	2.89
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.43	3.05
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.73	3.12
		For Single Layer Of Felt Finish, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.00	3.17
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.69	3.34
		For Single Layer Of Felt Finish, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.10	3.40
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.50	3.52
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.69	3.81
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.89	4.45
		For Single Layer Of Felt Finish, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.49	4.69
		For Single Layer Of Felt Finish, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.22	5.61
		For Single Layer Of Felt Finish, Add	*0.60*	
		For Work In Restricted Working Space, Add	*4.66*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.28	6.53
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*5.43*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.00	7.16
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*5.95*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.58	3.17
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.68	3.17
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.99	3.27
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.27	3.27
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.57	3.36
		For Single Layer Of Felt Finish, Add	*0.36*	
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.04	3.45
		For Single Layer Of Felt Finish, Add	*0.38*	
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.64	3.55
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.28	3.73
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.43	3.92
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.20*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.34	4.60
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.36	4.86
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.37	5.81
		For Single Layer Of Felt Finish, Add	*0.86*	
		For Work In Restricted Working Space, Add	*4.85*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.35	6.97
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*5.81*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.19	7.60
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*8.10*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.60	8.91
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*8.10*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.13	9.37
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*8.51*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.86	10.69
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*9.72*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.29	12.93
		For Single Layer Of Felt Finish, Add	*1.80*	
		For Work In Restricted Working Space, Add	*11.75*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.03	3.73
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.16	3.73
		For Single Layer Of Felt Finish, Add	*0.42*	
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.60	3.73
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.92	3.82
		For Single Layer Of Felt Finish, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.26	3.82
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.13*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.89	4.01
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.68	4.10
		For Single Layer Of Felt Finish, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.42	4.30
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.00	4.48
		For Single Layer Of Felt Finish, Add	*0.71*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.73	4.76
		For Single Layer Of Felt Finish, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.66	5.69
		For Single Layer Of Felt Finish, Add	*1.27*	
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.75	6.53
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*5.38*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.06	8.12
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*6.69*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.66	8.96
		For Single Layer Of Felt Finish, Add	*1.92*	
		For Work In Restricted Working Space, Add	*7.30*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.29	11.39
		For Single Layer Of Felt Finish, Add	*2.12*	
		For Work In Restricted Working Space, Add	*9.33*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.82	11.95
		For Single Layer Of Felt Finish, Add	*2.33*	
		For Work In Restricted Working Space, Add	*9.80*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	62.34	13.63
		For Single Layer Of Felt Finish, Add	*2.63*	
		For Work In Restricted Working Space, Add	*11.20*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.85	16.47
		For Single Layer Of Felt Finish, Add	*3.02*	
		For Work In Restricted Working Space, Add	*13.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081		**3" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.48	4.12
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.62	4.12
		For Single Layer Of Felt Finish, Add	*0.46*	
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.07	4.16
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.41	4.19
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.81	4.23
		For Single Layer Of Felt Finish, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.46	4.40
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.31	4.55
		For Single Layer Of Felt Finish, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.14	4.72
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.89	4.98
		For Single Layer Of Felt Finish, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.88	5.64
		For Single Layer Of Felt Finish, Add	*0.90*	
		For Work In Restricted Working Space, Add	*4.60*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.38	6.29
		For Single Layer Of Felt Finish, Add	*1.39*	
		For Work In Restricted Working Space, Add	*5.13*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.99	7.26
		For Single Layer Of Felt Finish, Add	*1.71*	
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.83	9.02
		For Single Layer Of Felt Finish, Add	*1.82*	
		For Work In Restricted Working Space, Add	*7.36*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	46.89	9.86
		For Single Layer Of Felt Finish, Add	*2.11*	
		For Work In Restricted Working Space, Add	*8.03*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.37	12.59
		For Single Layer Of Felt Finish, Add	*2.33*	
		For Work In Restricted Working Space, Add	*10.26*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.25	13.23
		For Single Layer Of Felt Finish, Add	*2.55*	
		For Work In Restricted Working Space, Add	*10.78*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	68.51	15.12
		For Single Layer Of Felt Finish, Add	*2.88*	
		For Work In Restricted Working Space, Add	*12.32*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	81.16	18.26
		For Single Layer Of Felt Finish, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.89*	
22 07 19 00-0100		**3-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.78	4.48
		For Single Layer Of Felt Finish, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.95	4.48
		For Single Layer Of Felt Finish, Add	*0.49*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.54	4.48
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.90	4.58
		For Single Layer Of Felt Finish, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.37	4.58
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.04	4.76
		For Single Layer Of Felt Finish, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.91*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.99	4.95
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.84	5.13
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.19*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.82	5.41
		For Single Layer Of Felt Finish, Add	*0.85*	
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.07	6.16
		For Single Layer Of Felt Finish, Add	*0.98*	
		For Work In Restricted Working Space, Add	*5.02*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.17	6.81
		For Single Layer Of Felt Finish, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.31	7.84
		For Single Layer Of Felt Finish, Add	*1.87*	
		For Work In Restricted Working Space, Add	*6.46*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.68	9.80
		For Single Layer Of Felt Finish, Add	*1.99*	
		For Work In Restricted Working Space, Add	*8.03*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.20	10.73
		For Single Layer Of Felt Finish, Add	*2.31*	
		For Work In Restricted Working Space, Add	*8.76*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.57	13.63
		For Single Layer Of Felt Finish, Add	*2.55*	
		For Work In Restricted Working Space, Add	*11.20*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.78	14.37
		For Single Layer Of Felt Finish, Add	*2.79*	
		For Work In Restricted Working Space, Add	*11.76*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.83	16.43
		For Single Layer Of Felt Finish, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.45*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.62	19.79
		For Single Layer Of Felt Finish, Add	*3.62*	
		For Work In Restricted Working Space, Add	*16.24*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.89	5.04
		For Single Layer Of Felt Finish, Add	*0.55*	
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.07	5.04
		For Single Layer Of Felt Finish, Add	*0.57*	
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.70	5.04
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.20	5.13
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.98	5.32
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.70	5.50
		For Single Layer Of Felt Finish, Add	*0.71*	
		For Work In Restricted Working Space, Add	*4.48*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.48	5.50
		For Single Layer Of Felt Finish, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.55*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.52	5.78
		For Single Layer Of Felt Finish, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.71*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.66	6.07
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.31	6.91
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*5.64*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.32	7.46
		For Single Layer Of Felt Finish, Add	*1.72*	
		For Work In Restricted Working Space, Add	*6.29*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	44.22	8.86
		For Single Layer Of Felt Finish, Add	*2.10*	
		For Work In Restricted Working Space, Add	*7.27*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.40	11.01
		For Single Layer Of Felt Finish, Add	*2.24*	
		For Work In Restricted Working Space, Add	*9.03*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.62	12.04
		For Single Layer Of Felt Finish, Add	*2.60*	
		For Work In Restricted Working Space, Add	*9.86*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.31	15.40
		For Single Layer Of Felt Finish, Add	*2.86*	
		For Work In Restricted Working Space, Add	*12.61*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.97	16.14
		For Single Layer Of Felt Finish, Add	*3.14*	
		For Work In Restricted Working Space, Add	*13.22*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	83.40	18.48
		For Single Layer Of Felt Finish, Add	*3.46*	
		For Work In Restricted Working Space, Add	*15.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.72	22.30
		For Single Layer Of Felt Finish, Add	*4.07*	
		For Work In Restricted Working Space, Add	*18.28*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.84	26.31
		For Single Layer Of Felt Finish, Add	*4.52*	
		For Work In Restricted Working Space, Add	*21.54*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	131.05	30.98
		For Single Layer Of Felt Finish, Add	*4.88*	
		For Work In Restricted Working Space, Add	*25.36*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	149.91	36.59
		For Single Layer Of Felt Finish, Add	*5.23*	
		For Work In Restricted Working Space, Add	*30.04*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	183.87	46.51
		For Single Layer Of Felt Finish, Add	*5.94*	
		For Work In Restricted Working Space, Add	*38.20*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	217.83	56.65
		For Single Layer Of Felt Finish, Add	*6.65*	
		For Work In Restricted Working Space, Add	*46.36*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	236.07	62.26
		For Single Layer Of Felt Finish, Add	*6.90*	
		For Work In Restricted Working Space, Add	*51.09*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	252.12	67.01
		For Single Layer Of Felt Finish, Add	*7.18*	
		For Work In Restricted Working Space, Add	*55.12*	

22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0146 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	16.44	4.56
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	17.11	4.56
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	17.99	4.62
		For Work In Restricted Working Space, Add	*4.20*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	18.42	4.69
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	19.08	4.75
		For Work In Restricted Working Space, Add	*4.32*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	20.34	4.88
		For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	21.91	5.09
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	23.62	5.22
		For Work In Restricted Working Space, Add	*4.74*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	27.30	5.61
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	34.75	6.33
		For Work In Restricted Working Space, Add	*5.76*	

22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.49	5.05
		For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.91	5.05
		For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.53	5.11
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.03	5.18
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.50	5.25
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.32	5.42
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.41	5.62
		For Work In Restricted Working Space, Add	*4.95*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.16	5.79
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.04	6.17
		For Work In Restricted Working Space, Add	*5.43*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.91	6.99
		For Work In Restricted Working Space, Add	*6.15*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.51	7.80
		For Work In Restricted Working Space, Add	*6.86*	
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	52.79	8.98
		For Work In Restricted Working Space, Add	*7.91*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.64	11.18
		For Work In Restricted Working Space, Add	*9.83*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	69.61	11.75
		For Work In Restricted Working Space, Add	*10.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	76.61	13.13
		For Work In Restricted Working Space, Add	*11.93*	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	86.83	15.52
		For Work In Restricted Working Space, Add	*14.11*	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	97.00	17.18
		For Work In Restricted Working Space, Add	*15.62*	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	121.18	19.04
		For Work In Restricted Working Space, Add	*17.31*	
22 07 19 00-0176		2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*		
22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	21.91	5.22
		For Work In Restricted Working Space, Add	*4.74*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	22.57	5.22
		For Work In Restricted Working Space, Add	*4.74*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	23.41	5.27
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	24.65	5.35
		For Work In Restricted Working Space, Add	*4.86*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	25.90	5.41
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	28.97	5.61
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	30.38	5.81
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	32.61	6.01
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	36.74	6.34
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	43.95	7.19
		For Work In Restricted Working Space, Add	*6.54*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	48.93	8.03
		For Work In Restricted Working Space, Add	*7.29*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	59.57	9.24
		For Work In Restricted Working Space, Add	*8.41*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	73.79	11.50
		For Work In Restricted Working Space, Add	*10.45*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	78.82	12.55
		For Work In Restricted Working Space, Add	*11.41*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	93.13	16.04
		For Work In Restricted Working Space, Add	*14.59*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	101.56	16.85
		For Work In Restricted Working Space, Add	*15.31*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	112.33	19.25
		For Work In Restricted Working Space, Add	*17.50*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	140.94	23.26
		For Work In Restricted Working Space, Add	*21.15*	
22 07 19 00-0195		2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*		
22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.63	5.65
		For Work In Restricted Working Space, Add	*5.14*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.75	5.64
		For Work In Restricted Working Space, Add	*5.14*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.16	5.74
		For Work In Restricted Working Space, Add	*5.22*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.42	5.78
		For Work In Restricted Working Space, Add	*5.26*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	31.69	5.83
		For Work In Restricted Working Space, Add	*5.30*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.98	6.07
		For Work In Restricted Working Space, Add	*5.52*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.17	6.28
		For Work In Restricted Working Space, Add	*5.71*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.31	6.50
		For Work In Restricted Working Space, Add	*5.91*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	44.07	6.85
		For Work In Restricted Working Space, Add	*6.23*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	52.72	7.80
		For Work In Restricted Working Space, Add	*7.08*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	58.74	8.69
		For Work In Restricted Working Space, Add	*7.90*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	67.02	10.02
		For Work In Restricted Working Space, Add	*9.11*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	83.46	12.45
		For Work In Restricted Working Space, Add	*11.32*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	86.98	13.59
		For Work In Restricted Working Space, Add	*12.35*	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	102.46	17.37
		For Work In Restricted Working Space, Add	*15.79*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	111.47	18.24
		For Work In Restricted Working Space, Add	*16.58*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	128.16	20.84
		For Work In Restricted Working Space, Add	*18.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	160.59	25.19
		For Work In Restricted Working Space, Add	*22.90*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	32.26	6.02
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	32.93	6.02
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	33.90	6.12
		For Work In Restricted Working Space, Add	*5.56*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	34.70	6.15
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	35.55	6.21
		For Work In Restricted Working Space, Add	*5.64*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	38.22	6.46
		For Work In Restricted Working Space, Add	*5.87*	
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	40.78	6.68
		For Work In Restricted Working Space, Add	*6.07*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	46.38	6.92
		For Work In Restricted Working Space, Add	*6.29*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	52.99	7.29
		For Work In Restricted Working Space, Add	*6.63*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	58.01	8.29
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	65.52	9.24
		For Work In Restricted Working Space, Add	*8.40*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	78.21	10.66
		For Work In Restricted Working Space, Add	*9.69*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	90.76	13.25
		For Work In Restricted Working Space, Add	*12.04*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	97.14	14.45
		For Work In Restricted Working Space, Add	*13.14*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	115.85	18.48
		For Work In Restricted Working Space, Add	*16.80*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	124.06	19.40
		For Work In Restricted Working Space, Add	*17.64*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	145.44	22.17
		For Work In Restricted Working Space, Add	*20.16*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	177.85	26.80
		For Work In Restricted Working Space, Add	*24.36*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.84	7.29
		For Work In Restricted Working Space, Add	*6.63*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.68	7.29
		For Work In Restricted Working Space, Add	*6.63*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	40.68	7.33
		For Work In Restricted Working Space, Add	*6.67*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	41.66	7.38
		For Work In Restricted Working Space, Add	*6.71*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	42.80	7.47
		For Work In Restricted Working Space, Add	*6.80*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	47.15	7.74
		For Work In Restricted Working Space, Add	*7.03*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	51.53	8.01
		For Work In Restricted Working Space, Add	*7.28*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.47	8.29
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	58.34	8.76
		For Work In Restricted Working Space, Add	*7.97*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	67.18	9.95
		For Work In Restricted Working Space, Add	*9.04*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.41	11.08
		For Work In Restricted Working Space, Add	*10.07*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	91.45	12.79
		For Work In Restricted Working Space, Add	*11.62*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	107.96	15.89
		For Work In Restricted Working Space, Add	*14.45*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	112.51	17.35
		For Work In Restricted Working Space, Add	*15.77*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	134.69	22.17
		For Work In Restricted Working Space, Add	*20.16*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	148.19	23.29
		For Work In Restricted Working Space, Add	*21.17*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	168.71	26.63
		For Work In Restricted Working Space, Add	*24.21*	
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	207.24	32.15
		For Work In Restricted Working Space, Add	*29.23*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	47.28	8.96
		For Work In Restricted Working Space, Add	*8.14*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	48.37	8.96
		For Work In Restricted Working Space, Add	*8.14*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	49.93	9.11
		For Work In Restricted Working Space, Add	*8.28*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	51.34	9.22
		For Work In Restricted Working Space, Add	*8.38*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	53.32	9.51
		For Work In Restricted Working Space, Add	*8.64*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	57.66	9.80
		For Work In Restricted Working Space, Add	*8.91*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	61.57	9.96
		For Work In Restricted Working Space, Add	*9.05*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	64.65	10.32
		For Work In Restricted Working Space, Add	*9.38*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	70.62	11.51
		For Work In Restricted Working Space, Add	*10.46*	
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	81.84	12.35
		For Work In Restricted Working Space, Add	*11.24*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	92.50	13.40
		For Work In Restricted Working Space, Add	*12.18*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	105.84	15.92
		For Work In Restricted Working Space, Add	*14.48*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	123.48	19.78
		For Work In Restricted Working Space, Add	*17.98*	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	134.25	21.60
		For Work In Restricted Working Space, Add	*19.64*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	159.05	27.61
		For Work In Restricted Working Space, Add	*25.11*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	177.23	28.94
		For Work In Restricted Working Space, Add	*26.31*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	198.56	33.12
		For Work In Restricted Working Space, Add	*30.11*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	252.15	40.02
		For Work In Restricted Working Space, Add	*36.38*	

22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.

22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.87	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0274	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.88	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0275	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.10	2.90
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0276	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.35	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0277	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.55	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0278	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.78	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0279	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.87	3.09
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0280	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.12	3.09
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0281	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.62	3.18
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0282	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.85	3.24
		For Work In Restricted Working Space, Add	*1.96*	

22 07 19 00-0283 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0284	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.49	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0285	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.56	3.04
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0286	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.65	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0287	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.77	3.11
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0288	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.07	3.18
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0289	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.31	3.24
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0290	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.58	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0291	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.90	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0292	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.49	3.43
		For Work In Restricted Working Space, Add	*2.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0293	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.06	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0294	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.60	3.53
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0295	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.94	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0296		**3/4" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0271)*		
22 07 19 00-0297	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.17	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0298	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.26	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0299	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.67	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0300	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.86	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0301	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.36	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0302	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.84	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0303	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.06	3.65
		For Work In Restricted Working Space, Add	*2.19*	
22 07 19 00-0304	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.90	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0305	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.11	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0306	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.20	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0307	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.06	3.87
		For Work In Restricted Working Space, Add	*2.33*	
22 07 19 00-0308	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.42	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0309		**1" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0271)*		
22 07 19 00-0310	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.11	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0311	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.29	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0312	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.86	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0313	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.03	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0314	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.85	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0315	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.29	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0316	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.47	4.07
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0317	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.23	4.11
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0318	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.81	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0319	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.30	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0320		**Flexible Elastomeric Tubing Closed Cell Foam Insulation** *(22 07 19)*		
		Note: No additional LF for fittings required.		
22 07 19 00-0321		**3/8" Wall Flexible Elastomeric Tubing Foam Insulation** *(22 07 19 00-0320)*		
22 07 19 00-0322	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.41	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0323	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.54	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0324	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.81	2.90
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0325	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.99	2.94
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0326	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.18	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0327	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.43	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0328	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.64	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0329	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.89	3.09
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0330	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.10	3.09
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0331	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.32	3.14
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0332	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.62	3.18
		For Work In Restricted Working Space, Add	*1.91*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0333	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.88	3.18
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0334	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.07	3.24
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0335	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.34	3.24
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0336	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.95	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0337	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.66	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0338	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.46	3.35
		For Work In Restricted Working Space, Add	*2.01*	

22 07 19 00-0339 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.32	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.44	3.04
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.56	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.76	3.09
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.92	3.09
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.27	3.18
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.62	3.24
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.92	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.25	3.31
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.51	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.54	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.14	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.61	3.46
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.99	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0354	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.28	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.51	3.53
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.69	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0357	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.96	3.60
		For Work In Restricted Working Space, Add	*2.16*	
22 07 19 00-0358	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.13	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0359	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.46	3.72
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-0360	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.97	3.82
		For Work In Restricted Working Space, Add	*2.29*	

22 07 19 00-0361 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.56	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.82	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.22	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0365	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.47	3.46
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0366	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.57	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0367	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.17	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0368	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.66	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0369	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.15	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0370	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.29	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0371	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.49	3.70
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0372	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.08	3.72
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.40	3.77
		For Work In Restricted Working Space, Add	*2.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0374	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.09	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-0375	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.56	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0376	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.29	3.85
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0377	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.57	3.87
		For Work In Restricted Working Space, Add	*2.33*	
22 07 19 00-0378	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.66	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0379	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.55	3.94
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0380	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.04	3.96
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0381	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.60	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0382	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.46	4.11
		For Work In Restricted Working Space, Add	*2.47*	

22 07 19 00-0383 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0384	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.17	3.62
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0385	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.51	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0386	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.92	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0387	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.30	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-0388	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.64	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0389	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.19	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0390	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.08	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0391	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.53	4.02
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0392	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.16	4.07
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0393	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.37	4.11
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0394	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.73	4.17
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-0395	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.78	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0396	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.13	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0397	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.52	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0398	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.23	4.30
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0399	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.55	4.32
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0400	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.12	4.42
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-0401	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.85	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0402	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.44	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0403	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.16	4.61
		For Work In Restricted Working Space, Add	*2.76*	

22 07 19 00-0404 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0405	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.41	4.06
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0406	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.84	4.14
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0407	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.22	4.17
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0408	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.62	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0409	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.13	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0410	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.96	4.47
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0411	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.22	4.40
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0412	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.32	4.50
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0413	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.98	4.61
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0414	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.11	4.67
		For Work In Restricted Working Space, Add	*2.79*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.13	4.72
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0416	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.07	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0417	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.01	4.75
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0418	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.11	4.78
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0419	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.81	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0420	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.53	4.98
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0421	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.53	5.05
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0422	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.44	5.12
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0423	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.27	5.28
		For Work In Restricted Working Space, Add	*3.17*	

22 07 19 00-0424 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0425	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.58	4.48
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0426	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.60	4.55
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0427	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.44	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0428	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.06	4.62
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0429	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.57	4.72
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0430	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.37	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0431	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.47	4.82
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0432	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.43	4.98
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0433	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.31	5.15
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0434	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.59	5.22
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0435	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.22	5.28
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0436	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.52	5.29
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0437	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.99	5.30
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0438	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.71	5.32
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0439	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.54	5.35
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0440	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	52.54	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0441	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	56.03	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0442	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	57.01	5.82
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0443	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	64.27	6.06
		For Work In Restricted Working Space, Add	*3.63*	

22 07 19 00-0444 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.

22 07 19 00-0445 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0444)*

22 07 19 00-0446	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.28	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0447	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.39	2.79
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0448	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.63	2.90
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0449	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.97	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0450	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.18	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0451	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.60	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0452	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.94	3.09
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0453	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.19	3.18
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0454	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.25	3.18
		For Work In Restricted Working Space, Add	*1.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0455	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.23	3.24
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0456	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.80	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0457		**1/2" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0444)*		
22 07 19 00-0458	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.15	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0459	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.23	3.04
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0460	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.41	3.09
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0461	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.68	3.09
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0462	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.95	3.18
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0463	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.42	3.24
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0464	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.93	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0465	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.43	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0466	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.57	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0467	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.62	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0468	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.61	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0469		**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0444)*		
22 07 19 00-0470	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.18	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0471	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.52	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0472	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.91	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0473	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.60	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0474	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.21	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0475	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.37	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0476	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	3.63
		For Work In Restricted Working Space, Add	*2.19*	
22 07 19 00-0477	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.02	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0478	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.66	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0479	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.20	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0480	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.14	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0481		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0444)*		
22 07 19 00-0482	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.05	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0483	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.21	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0484	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.60	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0485	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.64	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0486	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.44	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0487	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.26	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0488	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.11	4.02
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0489	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.07	4.11
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0490	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	18.66	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0491	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	20.52	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0492		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)*		
		Note: For refrigeration piping.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0493	LF	1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.62	3.09
		For Work In Restricted Working Space, Add	*1.85*	
		For 3/8" Thick Covering, Deduct	*-0.54*	
		For 3/4" Thick Covering, Add	*0.95*	
		For 1" Thick Covering, Add	*1.83*	
22 07 19 00-0494	LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.74	3.09
		For Work In Restricted Working Space, Add	*1.87*	
		For 3/8" Thick Covering, Deduct	*-0.56*	
		For 3/4" Thick Covering, Add	*1.01*	
		For 1" Thick Covering, Add	*1.93*	
22 07 19 00-0495	LF	1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.94	3.18
		For Work In Restricted Working Space, Add	*1.91*	
		For 3/8" Thick Covering, Deduct	*-0.59*	
		For 3/4" Thick Covering, Add	*1.06*	
		For 1" Thick Covering, Add	*2.03*	
22 07 19 00-0496	LF	1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.17	3.24
		For Work In Restricted Working Space, Add	*1.94*	
		For 3/8" Thick Covering, Deduct	*-0.63*	
		For 3/4" Thick Covering, Add	*1.17*	
		For 1" Thick Covering, Add	*2.24*	
22 07 19 00-0497	LF	1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.40	3.29
		For Work In Restricted Working Space, Add	*1.97*	
		For 3/8" Thick Covering, Deduct	*-0.67*	
		For 3/4" Thick Covering, Add	*1.28*	
		For 1" Thick Covering, Add	*2.43*	
22 07 19 00-0498	LF	2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.64	3.33
		For Work In Restricted Working Space, Add	*2.00*	
		For 3/8" Thick Covering, Deduct	*-0.71*	
		For 3/4" Thick Covering, Add	*1.40*	
		For 1" Thick Covering, Add	*2.66*	
22 07 19 00-0499	LF	2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.18	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For 3/8" Thick Covering, Deduct	*-0.81*	
		For 3/4" Thick Covering, Add	*1.68*	
		For 1" Thick Covering, Add	*3.15*	
22 07 19 00-0500	LF	3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.61	3.48
		For Work In Restricted Working Space, Add	*2.09*	
		For 3/8" Thick Covering, Deduct	*-0.90*	
		For 3/4" Thick Covering, Add	*1.93*	
		For 1" Thick Covering, Add	*3.62*	
22 07 19 00-0501	LF	3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.01	3.53
		For Work In Restricted Working Space, Add	*2.12*	
		For 3/8" Thick Covering, Deduct	*-0.98*	
		For 3/4" Thick Covering, Add	*2.18*	
		For 1" Thick Covering, Add	*4.06*	
22 07 19 00-0502	LF	4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.44	3.57
		For Work In Restricted Working Space, Add	*2.15*	
		For 3/8" Thick Covering, Deduct	*-1.07*	
		For 3/4" Thick Covering, Add	*2.43*	
		For 1" Thick Covering, Add	*4.51*	

22 07 19 00-0503 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0504 Covering 4x6 Sheet *(22 07 19 00-0503)*

22 07 19 00-0505	SF	1" Thick Foam Rubber Sheet Insulation	17.18	6.63

22 07 19 00-0506 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and must be added to insulation prices.

22 07 19 00-0507 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0506)*

22 07 19 00-0508 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0507)*

22 07 19 00-0509	SF	0.006" Aluminum Insulation Jacket With Bands	13.89	5.98
22 07 19 00-0510	SF	0.010" Aluminum Insulation Jacket With Bands	14.08	5.98
22 07 19 00-0511	SF	0.016" Aluminum Insulation Jacket With Bands	14.25	5.98
22 07 19 00-0512	SF	0.020" Aluminum Insulation Jacket With Bands	14.42	5.98
22 07 19 00-0513	SF	0.024" Aluminum Insulation Jacket With Bands	14.57	5.98

22 07 19 00-0514 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0507)*

22 07 19 00-0515	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	7.08	1.70
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0516	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	7.31	1.74
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0517	LF	1" ID, 0.016" Aluminum Insulation Jacketing	7.57	1.78
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0518	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.83	1.82
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0519	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.02	1.85
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0520	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.22	1.87
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0521	LF	2" ID, 0.016" Aluminum Insulation Jacketing	8.45	1.91
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0522	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.71	1.95
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0523	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.97	1.99
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0524	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.19	2.03
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0525	LF	3" ID, 0.016" Aluminum Insulation Jacketing	9.47	2.07
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0526	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.73	2.12
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0527	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.02	2.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0528	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.25	2.21
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0529	LF	4" ID, 0.016" Aluminum Insulation Jacketing	10.56	2.26
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0530	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.86	2.32
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0531	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.21	2.37
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0532	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.48	2.42
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0533	LF	5" ID, 0.016" Aluminum Insulation Jacketing	11.82	2.48
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0534	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.18	2.56
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0535	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.47	2.62
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0536	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.87	2.69
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0537	LF	6" ID, 0.016" Aluminum Insulation Jacketing	13.27	2.77
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0538	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.53	2.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0539	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.79	2.85
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0540	LF	7" ID, 0.016" Aluminum Insulation Jacketing	14.22	2.92
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0541	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.58	2.99
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0542	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.86	3.04
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0543	LF	8" ID, 0.016" Aluminum Insulation Jacketing	15.24	3.09
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0544	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.60	3.14
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0545	LF	9" ID, 0.016" Aluminum Insulation Jacketing	16.11	3.22
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0546	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.51	3.28
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0547	LF	10" ID, 0.016" Aluminum Insulation Jacketing	16.91	3.33
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0548	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.34	3.39
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0549	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	17.88	3.49
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0550	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	18.33	3.55
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0551	LF	12" ID, 0.016" Aluminum Insulation Jacketing	18.78	3.62
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0552	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.38	3.73
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0553	LF	13" ID, 0.016" Aluminum Insulation Jacketing	19.71	3.77
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0554	LF	14" ID, 0.016" Aluminum Insulation Jacketing	20.22	3.81
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0555	LF	15" ID, 0.016" Aluminum Insulation Jacketing	20.87	3.89
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0556	LF	16" ID, 0.016" Aluminum Insulation Jacketing	21.39	3.93
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0557	LF	17" ID, 0.016" Aluminum Insulation Jacketing	22.06	4.01
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0558	LF	18" ID, 0.016" Aluminum Insulation Jacketing	22.49	4.05
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0559	LF	19" ID, 0.016" Aluminum Insulation Jacketing	23.30	4.14
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0560	LF	20" ID, 0.016" Aluminum Insulation Jacketing	23.84	4.19
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0561	LF	21" ID, 0.016" Aluminum Insulation Jacketing	24.56	4.30
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0562	LF	22" ID, 0.016" Aluminum Insulation Jacketing	25.11	4.35
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0563	LF	23" ID, 0.016" Aluminum Insulation Jacketing	25.87	4.45
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0564	LF	24" ID, 0.016" Aluminum Insulation Jacketing	26.44	4.50
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	

22 07 19 00-0565 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0507)*

22 07 19 00-0566	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	7.83	1.87
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0567	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	8.12	1.91
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0568	LF	1" ID, 0.020" Aluminum Insulation Jacketing	8.41	1.95
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0569	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	8.71	2.00
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0570	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	8.93	2.03
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0571	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	9.17	2.06
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0572	LF	2" ID, 0.020" Aluminum Insulation Jacketing	9.44	2.10
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0573	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	9.73	2.15
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0574	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.03	2.19
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0575	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	10.29	2.23
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0576	LF	3" ID, 0.020" Aluminum Insulation Jacketing	10.60	2.28
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0577	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.92	2.33
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0578	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.25	2.38
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0579	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.53	2.43
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0580	LF	4" ID, 0.020" Aluminum Insulation Jacketing	11.88	2.48
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0581	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.22	2.56
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0582	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.61	2.62
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0583	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	12.92	2.67
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0584	LF	5" ID, 0.020" Aluminum Insulation Jacketing	13.31	2.74
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0585	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.72	2.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0586	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.07	2.87
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0587	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.52	2.96
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0588	LF	6" ID, 0.020" Aluminum Insulation Jacketing	14.98	3.04
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0589	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.27	3.09
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0590	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.57	3.14
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0591	LF	7" ID, 0.020" Aluminum Insulation Jacketing	16.07	3.21
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0592	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.48	3.29
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0593	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.81	3.34
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0594	LF	8" ID, 0.020" Aluminum Insulation Jacketing	17.26	3.40
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0595	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.69	3.45
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0596	LF	9" ID, 0.020" Aluminum Insulation Jacketing	18.26	3.54
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0597	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.73	3.60
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0598	LF	10" ID, 0.020" Aluminum Insulation Jacketing	19.22	3.67
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0599	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.70	3.73
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0600	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	20.34	3.84
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0601	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	20.86	3.91
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0602	LF	12" ID, 0.020" Aluminum Insulation Jacketing	21.38	3.98
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0603	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.08	4.10
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0604	LF	13" ID, 0.020" Aluminum Insulation Jacketing	22.46	4.14
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0605	LF	14" ID, 0.020" Aluminum Insulation Jacketing	23.08	4.19
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0606	LF	15" ID, 0.020" Aluminum Insulation Jacketing	23.86	4.28
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0607	LF	16" ID, 0.020" Aluminum Insulation Jacketing	24.49	4.33
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0608	LF	17" ID, 0.020" Aluminum Insulation Jacketing	25.30	4.42
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0609	LF	18" ID, 0.020" Aluminum Insulation Jacketing	25.79	4.47
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0610	LF	19" ID, 0.020" Aluminum Insulation Jacketing	26.77	4.57
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0611	LF	20" ID, 0.020" Aluminum Insulation Jacketing	27.43	4.62
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0612	LF	21" ID, 0.020" Aluminum Insulation Jacketing	28.28	4.72
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0613	LF	22" ID, 0.020" Aluminum Insulation Jacketing	28.94	4.78
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0614	LF	23" ID, 0.020" Aluminum Insulation Jacketing	29.84	4.89
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0615	LF	24" ID, 0.020" Aluminum Insulation Jacketing	30.51	4.95
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	

22 07 19 00-0616 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0507)*

22 07 19 00-0617	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	8.59	2.03
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0618	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	8.91	2.08
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0619	LF	1" ID, 0.024" Aluminum Insulation Jacketing	9.23	2.13
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0620	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.57	2.18
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0621	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	9.83	2.21
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0622	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	10.09	2.25
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0623	LF	2" ID, 0.024" Aluminum Insulation Jacketing	10.41	2.29
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0624	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	10.74	2.34
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0625	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	11.09	2.39
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0626	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	11.37	2.43
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0627	LF	3" ID, 0.024" Aluminum Insulation Jacketing	11.73	2.48
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0628	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	12.08	2.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0629	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.45	2.61
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0630	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	12.76	2.66
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0631	LF	4" ID, 0.024" Aluminum Insulation Jacketing	13.15	2.72
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0632	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.55	2.79
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0633	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.99	2.86
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0634	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	14.34	2.91
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0635	LF	5" ID, 0.024" Aluminum Insulation Jacketing	14.78	2.99
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0636	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.23	3.07
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0637	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.62	3.13
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0638	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	16.14	3.22
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0639	LF	6" ID, 0.024" Aluminum Insulation Jacketing	16.65	3.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0640	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.97	3.37
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0641	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.31	3.42
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0642	LF	7" ID, 0.024" Aluminum Insulation Jacketing	17.87	3.50
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0643	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.33	3.58
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0644	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.70	3.64
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0645	LF	8" ID, 0.024" Aluminum Insulation Jacketing	19.21	3.70
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0646	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.71	3.76
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0647	LF	9" ID, 0.024" Aluminum Insulation Jacketing	20.36	3.86
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0648	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	20.91	3.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0649	LF	10" ID, 0.024" Aluminum Insulation Jacketing	21.45	4.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0650	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.00	4.07
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0651	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	22.72	4.18
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0652	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	23.32	4.27
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0653	LF	12" ID, 0.024" Aluminum Insulation Jacketing	23.91	4.35
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0654	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	24.69	4.48
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0655	LF	13" ID, 0.024" Aluminum Insulation Jacketing	25.13	4.53
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0656	LF	14" ID, 0.024" Aluminum Insulation Jacketing	25.85	4.57
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0657	LF	15" ID, 0.024" Aluminum Insulation Jacketing	26.75	4.67
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0658	LF	16" ID, 0.024" Aluminum Insulation Jacketing	27.48	4.72
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0659	LF	17" ID, 0.024" Aluminum Insulation Jacketing	28.40	4.82
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0660	LF	18" ID, 0.024" Aluminum Insulation Jacketing	28.97	4.87
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0661	LF	19" ID, 0.024" Aluminum Insulation Jacketing	30.11	4.98
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0662	LF	20" ID, 0.024" Aluminum Insulation Jacketing	30.87	5.03
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0663	LF	21" ID, 0.024" Aluminum Insulation Jacketing	31.85	5.15
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0664	LF	22" ID, 0.024" Aluminum Insulation Jacketing	32.61	5.21
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0665	LF	23" ID, 0.024" Aluminum Insulation Jacketing	33.65	5.33
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0666	LF	24" ID, 0.024" Aluminum Insulation Jacketing	34.42	5.40
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	

22 07 19 00-0667 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0507)*

22 07 19 00-0668	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	9.61	2.25
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0669	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	9.99	2.31
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0670	LF	1" ID, 0.032" Aluminum Insulation Jacketing	10.40	2.36
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0671	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	10.80	2.42
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0672	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	11.12	2.45
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0673	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	11.44	2.49
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0674	LF	2" ID, 0.032" Aluminum Insulation Jacketing	11.82	2.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0675	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	12.21	2.60
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0676	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	12.63	2.66
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0677	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	12.97	2.70
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0678	LF	3" ID, 0.032" Aluminum Insulation Jacketing	13.41	2.76
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0679	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	13.84	2.82
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0680	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	14.28	2.89
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0681	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	14.65	2.94
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0682	LF	4" ID, 0.032" Aluminum Insulation Jacketing	15.12	3.01
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0683	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	15.58	3.09
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0684	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.10	3.16
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0685	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	16.52	3.23
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0686	LF	5" ID, 0.032" Aluminum Insulation Jacketing	17.04	3.31
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0687	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.57	3.40
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0688	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.04	3.47
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0689	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	18.62	3.57
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0690	LF	6" ID, 0.032" Aluminum Insulation Jacketing	19.24	3.68
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0691	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	19.62	3.73
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0692	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	20.03	3.79
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0693	LF	7" ID, 0.032" Aluminum Insulation Jacketing	20.71	3.88
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0694	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	21.26	3.97
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0695	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.68	4.03
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0696	LF	8" ID, 0.032" Aluminum Insulation Jacketing	22.32	4.10
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0697	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	22.93	4.17
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0698	LF	9" ID, 0.032" Aluminum Insulation Jacketing	23.71	4.29
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0699	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.38	4.36
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0700	LF	10" ID, 0.032" Aluminum Insulation Jacketing	25.04	4.44
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0701	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	25.72	4.52
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0702	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	26.57	4.64
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0703	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.29	4.73
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0704	LF	12" ID, 0.032" Aluminum Insulation Jacketing	28.01	4.82
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0705	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	28.94	4.97
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0706	LF	13" ID, 0.032" Aluminum Insulation Jacketing	29.49	5.02
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0707	LF	14" ID, 0.032" Aluminum Insulation Jacketing	30.42	5.07
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0708	LF	15" ID, 0.032" Aluminum Insulation Jacketing	31.54	5.17
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0709	LF	16" ID, 0.032" Aluminum Insulation Jacketing	32.47	5.23
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0710	LF	17" ID, 0.032" Aluminum Insulation Jacketing	33.63	5.34
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0711	LF	18" ID, 0.032" Aluminum Insulation Jacketing	34.34	5.40
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0712	LF	19" ID, 0.032" Aluminum Insulation Jacketing	35.76	5.51
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0713	LF	20" ID, 0.032" Aluminum Insulation Jacketing	36.72	5.58
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0714	LF	21" ID, 0.032" Aluminum Insulation Jacketing	37.92	5.70
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0715	LF	22" ID, 0.032" Aluminum Insulation Jacketing	38.90	5.77
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0716	LF	23" ID, 0.032" Aluminum Insulation Jacketing	40.17	5.91
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0717	LF	24" ID, 0.032" Aluminum Insulation Jacketing	41.15	5.99
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	

22 07 19 00-0718 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0507)*

22 07 19 00-0719	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	11.12	2.60
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0720	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	11.58	2.66
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0721	LF	1" ID, 0.040" Aluminum Insulation Jacketing	12.06	2.72
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0722	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	12.55	2.79
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0723	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	12.93	2.83
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0724	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	13.32	2.87
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0725	LF	2" ID, 0.040" Aluminum Insulation Jacketing	13.77	2.93
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0726	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	14.23	2.99
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0727	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	14.74	3.06
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0728	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	15.15	3.11
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0729	LF	3" ID, 0.040" Aluminum Insulation Jacketing	15.68	3.17
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0730	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	16.19	3.25
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0731	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	16.70	3.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0732	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	17.16	3.38
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0733	LF	4" ID, 0.040" Aluminum Insulation Jacketing	17.71	3.46
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0734	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.27	3.55
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0735	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	18.89	3.64
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0736	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	19.39	3.71
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0737	LF	5" ID, 0.040" Aluminum Insulation Jacketing	20.00	3.81
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0738	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	20.64	3.91
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0739	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.17	3.99
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0740	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	21.89	4.11
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0741	LF	6" ID, 0.040" Aluminum Insulation Jacketing	22.59	4.23
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0742	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	23.07	4.30
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0743	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.55	4.36
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0744	LF	7" ID, 0.040" Aluminum Insulation Jacketing	24.36	4.47
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0745	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	25.02	4.57
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0746	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.54	4.65
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0747	LF	8" ID, 0.040" Aluminum Insulation Jacketing	26.29	4.73
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0748	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.03	4.80
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0749	LF	9" ID, 0.040" Aluminum Insulation Jacketing	27.97	4.93
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0750	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	28.78	5.01
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0751	LF	10" ID, 0.040" Aluminum Insulation Jacketing	29.58	5.10
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0752	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	30.38	5.19
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0753	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	31.41	5.34
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0754	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	32.28	5.44
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0755	LF	12" ID, 0.040" Aluminum Insulation Jacketing	33.14	5.54
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0756	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	34.24	5.71
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0757	LF	13" ID, 0.040" Aluminum Insulation Jacketing	34.91	5.77
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0758	LF	14" ID, 0.040" Aluminum Insulation Jacketing	36.06	5.82
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0759	LF	15" ID, 0.040" Aluminum Insulation Jacketing	37.41	5.95
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0760	LF	16" ID, 0.040" Aluminum Insulation Jacketing	38.57	6.02
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0761	LF	17" ID, 0.040" Aluminum Insulation Jacketing	39.95	6.15
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0762	LF	18" ID, 0.040" Aluminum Insulation Jacketing	40.84	6.21
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0763	LF	19" ID, 0.040" Aluminum Insulation Jacketing	42.56	6.35
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0764	LF	20" ID, 0.040" Aluminum Insulation Jacketing	43.75	6.42
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0765	LF	21" ID, 0.040" Aluminum Insulation Jacketing	45.22	6.57
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0766	LF	22" ID, 0.040" Aluminum Insulation Jacketing	46.40	6.64
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0767	LF	23" ID, 0.040" Aluminum Insulation Jacketing	47.94	6.80
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0768	LF	24" ID, 0.040" Aluminum Insulation Jacketing	49.13	6.88
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	

22 07 19 00-0769 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0507)*

22 07 19 00-0770	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.00	2.67
22 07 19 00-0771	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.40	2.77
22 07 19 00-0772	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.96	2.87
22 07 19 00-0773	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.14	2.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0774	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.32	2.97
22 07 19 00-0775	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.61	3.04
22 07 19 00-0776	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.37	3.11
22 07 19 00-0777	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.70	3.19
22 07 19 00-0778	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.00	3.25
22 07 19 00-0779	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.41	3.30
22 07 19 00-0780	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.10	3.39
22 07 19 00-0781	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.57	3.46
22 07 19 00-0782	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.82	3.52
22 07 19 00-0783	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.09	3.59
22 07 19 00-0784	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.36	3.66
22 07 19 00-0785	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.99	3.73
22 07 19 00-0786	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.92	3.85
22 07 19 00-0787	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.25	3.93
22 07 19 00-0788	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.93	4.05
22 07 19 00-0789	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.28	4.14
22 07 19 00-0790	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.03	4.30
22 07 19 00-0791	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.19	4.40
22 07 19 00-0792	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.39	4.45
22 07 19 00-0793	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.97	4.50
22 07 19 00-0794	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.34	4.56
22 07 19 00-0795	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.32	4.67
22 07 19 00-0796	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.79	4.79
22 07 19 00-0797	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.67	4.85
22 07 19 00-0798	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.93	4.91
22 07 19 00-0799	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	43.70	4.98
22 07 19 00-0800	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	43.97	5.05
22 07 19 00-0801	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.78	5.18
22 07 19 00-0802	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.07	5.26
22 07 19 00-0803	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	69.77	5.41
22 07 19 00-0804	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	70.09	5.49
22 07 19 00-0805	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	87.16	5.65
22 07 19 00-0806	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.81	5.83
22 07 19 00-0807	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	97.31	5.92
22 07 19 00-0808	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.37	2.97
22 07 19 00-0809	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.66	3.04
22 07 19 00-0810	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.54	3.11
22 07 19 00-0811	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.87	3.19
22 07 19 00-0812	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	18.81	3.25
22 07 19 00-0813	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.04	3.30
22 07 19 00-0814	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.50	3.39
22 07 19 00-0815	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.58	3.46
22 07 19 00-0816	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.83	3.52
22 07 19 00-0817	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.10	3.59
22 07 19 00-0818	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.57	3.66
22 07 19 00-0819	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.86	3.73
22 07 19 00-0820	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.70	3.85
22 07 19 00-0821	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	24.55	4.05
22 07 19 00-0822	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.64	4.30
22 07 19 00-0823	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.05	4.40
22 07 19 00-0824	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.59	4.50
22 07 19 00-0825	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.80	4.56
22 07 19 00-0826	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.08	4.67
22 07 19 00-0827	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.55	4.79
22 07 19 00-0828	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.40	4.85
22 07 19 00-0829	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.66	4.91
22 07 19 00-0830	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.62	4.98
22 07 19 00-0831	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.89	5.05
22 07 19 00-0832	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.22	5.18
22 07 19 00-0833	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.51	5.26
22 07 19 00-0834	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	48.35	5.49
22 07 19 00-0835	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.00	5.65
22 07 19 00-0836	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.22	5.83
22 07 19 00-0837	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.78	5.92
22 07 19 00-0838	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.88	6.03
22 07 19 00-0839	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.71	6.12
22 07 19 00-0840	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	98.46	6.23
22 07 19 00-0841	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	96.47	6.33
22 07 19 00-0842	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	102.56	6.44
22 07 19 00-0843	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	47.98	4.24
22 07 19 00-0844	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	48.37	4.35
22 07 19 00-0845	EA	3" ID, Aluminum Tee Insulation Jacketing	52.80	4.45
22 07 19 00-0846	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	53.24	4.56
22 07 19 00-0847	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	55.38	4.67
22 07 19 00-0848	EA	4" ID, Aluminum Tee Insulation Jacketing	56.25	4.79
22 07 19 00-0849	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	58.90	4.91
22 07 19 00-0850	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	59.11	5.05
22 07 19 00-0851	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	59.67	5.18
22 07 19 00-0852	EA	5" ID, Aluminum Tee Insulation Jacketing	61.72	5.33
22 07 19 00-0853	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	62.34	5.49
22 07 19 00-0854	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	64.79	5.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0855	EA	6" ID, Aluminum Tee Insulation Jacketing	65.51	5.83
22 07 19 00-0856	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	71.21	6.23
22 07 19 00-0857	EA	7" ID, Aluminum Tee Insulation Jacketing	72.06	6.44
22 07 19 00-0858	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	78.18	6.67
22 07 19 00-0859	EA	8" ID, Aluminum Tee Insulation Jacketing	79.16	6.91
22 07 19 00-0860	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	81.59	7.18
22 07 19 00-0861	EA	9" ID, Aluminum Tee Insulation Jacketing	82.74	7.46
22 07 19 00-0862	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	69.72	7.61
22 07 19 00-0863	EA	10" ID, Aluminum Tee Insulation Jacketing	70.35	7.78
22 07 19 00-0864	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	73.57	7.95
22 07 19 00-0865	EA	11" ID, Aluminum Tee Insulation Jacketing	74.25	8.12
22 07 19 00-0866	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	77.26	8.30
22 07 19 00-0867	EA	12" ID, Aluminum Tee Insulation Jacketing	78.01	8.48
22 07 19 00-0868	EA	13" ID, Aluminum Tee Insulation Jacketing	80.99	8.68
22 07 19 00-0869	EA	14" ID, Aluminum Tee Insulation Jacketing	84.10	8.89
22 07 19 00-0870	EA	15" ID, Aluminum Tee Insulation Jacketing	88.91	9.10
22 07 19 00-0871	EA	16" ID, Aluminum Tee Insulation Jacketing	91.14	9.33
22 07 19 00-0872	EA	17" ID, Aluminum Tee Insulation Jacketing	100.15	9.58
22 07 19 00-0873	EA	18" ID, Aluminum Tee Insulation Jacketing	103.57	9.83
22 07 19 00-0874	EA	19" ID, Aluminum Tee Insulation Jacketing	111.44	10.09
22 07 19 00-0875	EA	20" ID, Aluminum Tee Insulation Jacketing	114.11	10.37
22 07 19 00-0876	EA	22" ID, Aluminum Tee Insulation Jacketing	135.05	10.66
22 07 19 00-0877	EA	23" ID, Aluminum Tee Insulation Jacketing	138.88	10.98
22 07 19 00-0878	EA	24" ID, Aluminum Tee Insulation Jacketing	145.60	12.04
22 07 19 00-0879		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0506)*		
22 07 19 00-0880		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0879)*		
22 07 19 00-0881	SF	0.010" Stainless Steel Insulation Jacket With Bands	17.48	7.00
22 07 19 00-0882	SF	0.016" Stainless Steel Insulation Jacket With Bands	21.47	8.40
22 07 19 00-0883		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0879)*		
22 07 19 00-0884	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	9.01	1.49
22 07 19 00-0885	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.40	1.52
22 07 19 00-0886	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	9.79	1.56
22 07 19 00-0887	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.20	1.59
22 07 19 00-0888	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	10.60	1.62
22 07 19 00-0889	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.02	1.66
22 07 19 00-0890	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	11.43	1.70
22 07 19 00-0891	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.85	1.74
22 07 19 00-0892	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	12.29	1.78
22 07 19 00-0893	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	13.18	1.87
22 07 19 00-0894	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	14.12	1.96
22 07 19 00-0895	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	15.09	2.07
22 07 19 00-0896	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.86	2.13
22 07 19 00-0897	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	16.66	2.19
22 07 19 00-0898	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	17.51	2.27
22 07 19 00-0899	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	18.22	2.32
22 07 19 00-0900	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.94	2.36
22 07 19 00-0901	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	19.67	2.40
22 07 19 00-0902	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	20.39	2.45
22 07 19 00-0903	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	21.12	2.50
22 07 19 00-0904	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	21.87	2.56
22 07 19 00-0905	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	22.62	2.62
22 07 19 00-0906	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	24.15	2.73
22 07 19 00-0907	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	25.65	2.83
22 07 19 00-0908	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	26.89	2.87
22 07 19 00-0909		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0879)*		
22 07 19 00-0910	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	12.34	1.98
22 07 19 00-0911	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	12.89	2.02
22 07 19 00-0912	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	13.45	2.07
22 07 19 00-0913	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	14.02	2.11
22 07 19 00-0914	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	14.59	2.16
22 07 19 00-0915	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	15.17	2.20
22 07 19 00-0916	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	15.75	2.25
22 07 19 00-0917	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	16.35	2.31
22 07 19 00-0918	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	16.97	2.36
22 07 19 00-0919	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	18.23	2.48
22 07 19 00-0920	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	19.53	2.62
22 07 19 00-0921	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	20.88	2.76
22 07 19 00-0922	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	21.98	2.84
22 07 19 00-0923	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	23.10	2.92
22 07 19 00-0924	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	24.30	3.03
22 07 19 00-0925	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	25.30	3.09

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0926	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	26.32	3.14
22 07 19 00-0927	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	27.36	3.20
22 07 19 00-0928	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	28.38	3.27
22 07 19 00-0929	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	29.42	3.33
22 07 19 00-0930	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	30.48	3.40
22 07 19 00-0931	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	31.55	3.47
22 07 19 00-0932	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	33.71	3.62
22 07 19 00-0933	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	35.82	3.76
22 07 19 00-0934	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	37.61	3.82
22 07 19 00-0935		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0879)*		
22 07 19 00-0936	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.23	2.97
22 07 19 00-0937	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.52	3.04
22 07 19 00-0938	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.42	3.11
22 07 19 00-0939	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.75	3.19
22 07 19 00-0940	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.68	3.25
22 07 19 00-0941	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.75	3.30
22 07 19 00-0942	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	30.65	3.39
22 07 19 00-0943	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.51	3.46
22 07 19 00-0944	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.76	3.52
22 07 19 00-0945	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.85	3.66
22 07 19 00-0946	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	49.98	3.85
22 07 19 00-0947	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.21	4.05
22 07 19 00-0948	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	69.43	4.30
22 07 19 00-0949	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	69.84	4.40
22 07 19 00-0950	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.03	4.50
22 07 19 00-0951	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.70	4.67
22 07 19 00-0952	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	81.78	4.67
22 07 19 00-0953	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.13	4.79
22 07 19 00-0954	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	113.71	4.85
22 07 19 00-0955	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	113.97	4.91
22 07 19 00-0956	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	132.76	4.98
22 07 19 00-0957	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	127.91	5.05
22 07 19 00-0958	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	143.33	5.26
22 07 19 00-0959	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	191.41	5.49
22 07 19 00-0960	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	193.21	5.65
22 07 19 00-0961	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	23.00	2.97
22 07 19 00-0962	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	23.29	3.04
22 07 19 00-0963	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.43	3.11
22 07 19 00-0964	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.76	3.19
22 07 19 00-0965	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	25.13	3.25
22 07 19 00-0966	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.36	3.30
22 07 19 00-0967	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.19	3.39
22 07 19 00-0968	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.74	3.46
22 07 19 00-0969	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.99	3.52
22 07 19 00-0970	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.26	3.59
22 07 19 00-0971	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.93	3.66
22 07 19 00-0972	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	37.68	3.85
22 07 19 00-0973	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.68	4.05
22 07 19 00-0974	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	43.60	4.30
22 07 19 00-0975	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	62.31	4.40
22 07 19 00-0976	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.66	4.50
22 07 19 00-0977	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.87	4.56
22 07 19 00-0978	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	72.10	4.67
22 07 19 00-0979	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	72.57	4.79
22 07 19 00-0980	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	82.11	4.85
22 07 19 00-0981	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	82.37	4.91
22 07 19 00-0982	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.29	4.98
22 07 19 00-0983	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.56	5.05
22 07 19 00-0984	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	102.90	5.26
22 07 19 00-0985	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	118.29	5.49
22 07 19 00-0986		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0506)*		
22 07 19 00-0987		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0986)*		
22 07 19 00-0988	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.79	1.38
22 07 19 00-0989	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.08	1.44
22 07 19 00-0990	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.39	1.49
22 07 19 00-0991	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.72	1.56
22 07 19 00-0992	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.05	1.62
22 07 19 00-0993	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.42	1.70
22 07 19 00-0994	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.82	1.78
22 07 19 00-0995	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.23	1.87
22 07 19 00-0996	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.71	1.96
22 07 19 00-0997	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.22	2.07
22 07 19 00-0998	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.53	2.13
22 07 19 00-0999	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.84	2.19
22 07 19 00-1000	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.24	2.27
22 07 19 00-1001	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.48	2.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1002	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.74	2.36
22 07 19 00-1003	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.00	2.40
22 07 19 00-1004	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.26	2.45
22 07 19 00-1005	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.52	2.50
22 07 19 00-1006	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.80	2.56
22 07 19 00-1007	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.09	2.62
22 07 19 00-1008	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.38	2.67
22 07 19 00-1009	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.69	2.73
22 07 19 00-1010	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.02	2.79
22 07 19 00-1011	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.26	2.83
22 07 19 00-1012	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.33	2.83
22 07 19 00-1013	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.58	2.87
22 07 19 00-1014	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.91	2.92
22 07 19 00-1015	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.23	2.97
22 07 19 00-1016	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.57	3.01
22 07 19 00-1017	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.92	3.06
22 07 19 00-1018	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.25	3.11
22 07 19 00-1019	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.61	3.17
22 07 19 00-1020	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.98	3.22
22 07 19 00-1021	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.35	3.28
22 07 19 00-1022	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.72	3.33
22 07 19 00-1023	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.12	3.39
22 07 19 00-1024	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.52	3.46
22 07 19 00-1025	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.91	3.52
22 07 19 00-1026	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.33	3.59
22 07 19 00-1027	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.76	3.66
22 07 19 00-1028	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.20	3.73
22 07 19 00-1029	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.66	3.81
22 07 19 00-1030		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0986)*		
22 07 19 00-1031	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.24	1.44
22 07 19 00-1032	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.59	1.49
22 07 19 00-1033	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.96	1.56
22 07 19 00-1034	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.31	1.62
22 07 19 00-1035	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.72	1.70
22 07 19 00-1036	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.15	1.78
22 07 19 00-1037	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.60	1.87
22 07 19 00-1038	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.11	1.96
22 07 19 00-1039	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.66	2.07
22 07 19 00-1040	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.00	2.13
22 07 19 00-1041	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.35	2.19
22 07 19 00-1042	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.79	2.27
22 07 19 00-1043	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.07	2.32
22 07 19 00-1044	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.36	2.36
22 07 19 00-1045	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.65	2.40
22 07 19 00-1046	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.95	2.45
22 07 19 00-1047	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.25	2.50
22 07 19 00-1048	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.56	2.56
22 07 19 00-1049	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.88	2.62
22 07 19 00-1050	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.21	2.67
22 07 19 00-1051	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.55	2.73
22 07 19 00-1052	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.92	2.79
22 07 19 00-1053	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.20	2.83
22 07 19 00-1054	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.31	2.83
22 07 19 00-1055	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.58	2.87
22 07 19 00-1056	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.98	2.92
22 07 19 00-1057	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.37	2.97
22 07 19 00-1058	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.77	3.01
22 07 19 00-1059	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.20	3.06
22 07 19 00-1060	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.61	3.11
22 07 19 00-1061	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.04	3.17
22 07 19 00-1062	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.48	3.22
22 07 19 00-1063	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.92	3.28
22 07 19 00-1064	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.36	3.33
22 07 19 00-1065	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.82	3.39
22 07 19 00-1066	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.30	3.46
22 07 19 00-1067	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.76	3.52
22 07 19 00-1068	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.25	3.59
22 07 19 00-1069	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.75	3.66
22 07 19 00-1070	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.25	3.73
22 07 19 00-1071	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.78	3.81
22 07 19 00-1072		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0986)*		
22 07 19 00-1073	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.65	2.77
22 07 19 00-1074	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.22	2.87
22 07 19 00-1075	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.48	2.92
22 07 19 00-1076	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.75	2.97
22 07 19 00-1077	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.11	3.04

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1078	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.47	3.11
22 07 19 00-1079	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.05	3.22
22 07 19 00-1080	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.53	3.30
22 07 19 00-1081	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.23	3.39
22 07 19 00-1082	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.21	3.55
22 07 19 00-1083	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.25	3.73
22 07 19 00-1084	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.78	3.93
22 07 19 00-1085	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.69	4.14
22 07 19 00-1086	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.53	4.30
22 07 19 00-1087	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.30	4.40
22 07 19 00-1088	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.06	4.50
22 07 19 00-1089	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.75	4.67
22 07 19 00-1090	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.52	4.85
22 07 19 00-1091	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.73	5.05
22 07 19 00-1092	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	36.56	5.26
22 07 19 00-1093	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	41.56	5.49
22 07 19 00-1094	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	45.03	5.65
22 07 19 00-1095	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.42	5.83
22 07 19 00-1096	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.98	5.92
22 07 19 00-1097	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	53.24	6.03
22 07 19 00-1098	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	62.09	6.12
22 07 19 00-1099	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	75.95	6.23
22 07 19 00-1100	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	90.93	6.33
22 07 19 00-1101	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.65	2.77
22 07 19 00-1102	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.22	2.87
22 07 19 00-1103	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.48	2.92
22 07 19 00-1104	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.75	2.97
22 07 19 00-1105	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.11	3.04
22 07 19 00-1106	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.47	3.11
22 07 19 00-1107	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.05	3.22
22 07 19 00-1108	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.53	3.30
22 07 19 00-1109	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.23	3.39
22 07 19 00-1110	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.21	3.55
22 07 19 00-1111	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.25	3.73
22 07 19 00-1112	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.78	3.93
22 07 19 00-1113	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.69	4.14
22 07 19 00-1114	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.53	4.30
22 07 19 00-1115	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.30	4.40
22 07 19 00-1116	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.06	4.50
22 07 19 00-1117	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	27.75	4.67
22 07 19 00-1118	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.52	4.85
22 07 19 00-1119	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.72	5.05
22 07 19 00-1120	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.96	5.26
22 07 19 00-1121	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.62	5.49
22 07 19 00-1122	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	41.66	5.65
22 07 19 00-1123	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	43.77	5.83
22 07 19 00-1124	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	47.03	5.92
22 07 19 00-1125	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	50.35	6.03
22 07 19 00-1126	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	56.58	6.12
22 07 19 00-1127	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.67	6.23
22 07 19 00-1128	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	74.90	6.33
22 07 19 00-1129	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.66	3.89
22 07 19 00-1130	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.14	3.97
22 07 19 00-1131	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.78	4.10
22 07 19 00-1132	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.47	4.24
22 07 19 00-1133	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.22	4.40
22 07 19 00-1134	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.00	4.56
22 07 19 00-1135	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.95	4.73
22 07 19 00-1136	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.98	4.91
22 07 19 00-1137	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	23.22	5.11
22 07 19 00-1138	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.77	5.33
22 07 19 00-1139	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.42	5.57
22 07 19 00-1140	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.19	5.92
22 07 19 00-1141	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.10	6.23
22 07 19 00-1142	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.23	6.33
22 07 19 00-1143	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.61	6.55
22 07 19 00-1144	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.46	6.91
22 07 19 00-1145	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	47.96	7.18
22 07 19 00-1146	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	52.55	7.46
22 07 19 00-1147	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	54.06	7.78
22 07 19 00-1148	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.28	7.95
22 07 19 00-1149	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.50	8.12
22 07 19 00-1150	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.80	8.30
22 07 19 00-1151	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.09	8.48
22 07 19 00-1152	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	70.43	8.68
22 07 19 00-1153	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	73.79	8.89
22 07 19 00-1154	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	78.50	9.10
22 07 19 00-1155	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	83.24	9.33
22 07 19 00-1156	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	88.87	9.58
22 07 19 00-1157	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.31	2.67
22 07 19 00-1158	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.31	2.67

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1159	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	16.96	2.77
22 07 19 00-1160	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	16.96	2.77
22 07 19 00-1161	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	20.79	2.87
22 07 19 00-1162	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	22.28	2.99
22 07 19 00-1163	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	24.01	3.11
22 07 19 00-1164	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	26.38	3.25
22 07 19 00-1165	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	28.50	3.39
22 07 19 00-1166	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	33.47	3.73
22 07 19 00-1167	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	43.98	4.14
22 07 19 00-1168	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	48.50	4.67
22 07 19 00-1169	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	58.08	4.98
22 07 19 00-1170	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	76.85	5.49
22 07 19 00-1171	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	77.97	5.74
22 07 19 00-1172	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	98.48	5.92
22 07 19 00-1173	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	127.33	6.12
22 07 19 00-1174	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	14.80	2.67
22 07 19 00-1175	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	14.80	2.67
22 07 19 00-1176	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.34	2.77
22 07 19 00-1177	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.34	2.77
22 07 19 00-1178	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	19.77	2.87
22 07 19 00-1179	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	21.14	2.99
22 07 19 00-1180	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	22.77	3.11
22 07 19 00-1181	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	23.88	3.25
22 07 19 00-1182	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	26.85	3.39
22 07 19 00-1183	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	31.43	3.73
22 07 19 00-1184	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	40.98	4.14
22 07 19 00-1185	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	45.21	4.67
22 07 19 00-1186	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	53.88	4.98
22 07 19 00-1187	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	70.85	5.49
22 07 19 00-1188	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	86.57	5.74
22 07 19 00-1189	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	100.74	5.92
22 07 19 00-1190	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	115.41	6.12
22 07 19 00-1191	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.12	4.01
22 07 19 00-1192	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.12	4.01
22 07 19 00-1193	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.25	4.14
22 07 19 00-1194	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.25	4.14
22 07 19 00-1195	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	29.24	4.30
22 07 19 00-1196	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	31.21	4.45
22 07 19 00-1197	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	33.70	4.67
22 07 19 00-1198	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	35.32	4.85
22 07 19 00-1199	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	39.91	5.11
22 07 19 00-1200	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	43.72	5.57
22 07 19 00-1201	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	56.59	6.23
22 07 19 00-1202	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	62.02	6.91
22 07 19 00-1203	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	79.50	7.46
22 07 19 00-1204	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	103.80	8.12
22 07 19 00-1205	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	120.89	8.68
22 07 19 00-1206	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.92	8.89
22 07 19 00-1207	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	150.29	9.10

22 10 Plumbing Piping *(22)*

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

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

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

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

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

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.19	3.41
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.56*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*3.39*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.51	3.66
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.99*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*3.59*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	17.42	4.01
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.64*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.83*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	20.25	4.18
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.72*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.76	4.94
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.25*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.19	5.97
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.76*	
		For ASTM 120, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.61	7.07
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*12.65*	
		For ASTM 120, Deduct	*-2.96*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.29	9.46
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*15.56*	
		For ASTM 120, Deduct	*-3.66*	
		For Work In Restricted Working Space, Add	*6.87*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	74.57	10.69
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*27.31*	
		For ASTM 120, Deduct	*-7.44*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	141.89	13.66
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*56.31*	
		For ASTM 120, Deduct	*-16.76*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	164.55	16.16
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*65.48*	
		For ASTM 120, Deduct	*-19.54*	
		For Work In Restricted Working Space, Add	*10.28*	

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

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

22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling.

22 11 16 00-0015	LF	1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.49	3.41
		For Schedule 80 Pipe, Add	*1.15*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0016	LF	3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	7.25	3.66
		For Schedule 80 Pipe, Add	*1.39*	
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*1.65*	
22 11 16 00-0017	LF	1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.57	4.01
		For Schedule 80 Pipe, Add	*1.85*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.79*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.85	4.18
		For Schedule 80 Pipe, Add	*2.33*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.89*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	11.64	4.94
		For Schedule 80 Pipe, Add	*2.77*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0020	LF	2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	14.65	5.97
		For Schedule 80 Pipe, Add	*3.62*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*2.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0021	LF	2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	19.67	7.07
		For Schedule 80 Pipe, Add	*5.39*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0022	LF	3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	26.00	9.46
		For Schedule 80 Pipe, Add	*7.08*	
		For ASTM 120, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0023	LF	4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	32.88	10.69
		For Schedule 80 Pipe, Add	*9.67*	
		For ASTM 120, Deduct	*-2.52*	
		For Work In Restricted Working Space, Add	*4.82*	
22 11 16 00-0024	LF	5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	42.99	13.66
		For Schedule 80 Pipe, Add	*12.86*	
		For ASTM 120, Deduct	*-3.38*	
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0025	LF	6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	53.43	16.16
		For Schedule 80 Pipe, Add	*16.45*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*7.26*	

22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0027	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	27.22	15.17
		For 300 LB Rating, Add	*16.66*	
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0028	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	30.96	16.96
		For 300 LB Rating, Add	*20.33*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*7.63*	
22 11 16 00-0029	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	38.65	18.92
		For 300 LB Rating, Add	*36.55*	
		For ASTM 120, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0030	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	48.34	21.48
		For 300 LB Rating, Add	*56.98*	
		For ASTM 120, Deduct	*-2.43*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0031	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	57.40	24.19
		For 300 LB Rating, Add	*74.05*	
		For ASTM 120, Deduct	*-3.17*	
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0032	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	80.67	30.76
		For 300 LB Rating, Add	*120.47*	
		For ASTM 120, Deduct	*-5.19*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0033	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	158.75	45.50
		For 300 LB Rating, Add	*312.10*	
		For ASTM 120, Deduct	*-13.59*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0034	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	239.04	59.82
		For 300 LB Rating, Add	*513.17*	
		For ASTM 120, Deduct	*-22.40*	
		For Work In Restricted Working Space, Add	*26.91*	
22 11 16 00-0035	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	357.18	62.52
		For 300 LB Rating, Add	*901.25*	
		For ASTM 120, Deduct	*-39.51*	
		For Work In Restricted Working Space, Add	*28.13*	
22 11 16 00-0036	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,235.43	65.26
		For 300 LB Rating, Add	*3,873.68*	
		For ASTM 120, Deduct	*-170.64*	
		For Work In Restricted Working Space, Add	*29.35*	
22 11 16 00-0037	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,151.02	68.23
		For 300 LB Rating, Add	*3,571.82*	
		For ASTM 120, Deduct	*-157.31*	
		For Work In Restricted Working Space, Add	*30.69*	

22 11 16 00-0038 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0039	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	33.70	16.02
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*7.22*	
22 11 16 00-0040	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	39.26	17.97
		For ASTM 120, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*8.08*	
22 11 16 00-0041	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.66	17.04
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*7.67*	
22 11 16 00-0042	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	50.98	20.20
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-0043	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	53.66	19.17
		For ASTM 120, Deduct	*-3.73*	
		For Work In Restricted Working Space, Add	*8.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0044	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	53.78	18.32
		For ASTM 120, Deduct	*-3.95*	
		For Work In Restricted Working Space, Add	*8.23*	
22 11 16 00-0045	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	67.29	22.83
		For ASTM 120, Deduct	*-4.96*	
		For Work In Restricted Working Space, Add	*10.26*	
22 11 16 00-0046	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	65.41	21.56
		For ASTM 120, Deduct	*-4.96*	
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0047	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.94	20.53
		For ASTM 120, Deduct	*-4.96*	
		For Work In Restricted Working Space, Add	*9.26*	
22 11 16 00-0048	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	79.81	27.43
		For ASTM 120, Deduct	*-5.80*	
		For Work In Restricted Working Space, Add	*12.35*	
22 11 16 00-0049	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.42	26.08
		For ASTM 120, Deduct	*-6.65*	
		For Work In Restricted Working Space, Add	*11.73*	
22 11 16 00-0050	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.21	24.80
		For ASTM 120, Deduct	*-6.90*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0051	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	70.63	23.86
		For ASTM 120, Deduct	*-5.23*	
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0052	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	188.14	38.09
		For ASTM 120, Deduct	*-19.65*	
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0053	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	198.19	34.85
		For ASTM 120, Deduct	*-21.90*	
		For Work In Restricted Working Space, Add	*15.66*	
22 11 16 00-0054	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	317.08	52.65
		For ASTM 120, Deduct	*-35.72*	
		For Work In Restricted Working Space, Add	*23.68*	
22 11 16 00-0055	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	274.71	45.25
		For ASTM 120, Deduct	*-31.03*	
		For Work In Restricted Working Space, Add	*20.36*	
22 11 16 00-0056	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	628.09	59.47
		For ASTM 120, Deduct	*-80.84*	
		For Work In Restricted Working Space, Add	*26.76*	

22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0058	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	29.84	15.17
		For 300 LB Rating, Add	*25.57*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0059	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	35.68	16.96
		For 300 LB Rating, Add	*36.38*	
		For ASTM 120, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*7.63*	
22 11 16 00-0060	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	39.96	18.92
		For 300 LB Rating, Add	*41.01*	
		For ASTM 120, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0061	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	53.76	21.48
		For 300 LB Rating, Add	*75.40*	
		For ASTM 120, Deduct	*-3.24*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0062	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	61.65	24.19
		For 300 LB Rating, Add	*88.50*	
		For ASTM 120, Deduct	*-3.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0063	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	83.62	30.76
		For 300 LB Rating, Add	*130.50*	
		For ASTM 120, Deduct	*-5.64*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0064	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	198.86	45.50
		For 300 LB Rating, Add	*448.47*	
		For ASTM 120, Deduct	*-19.61*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0065	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	279.78	59.82
		For 300 LB Rating, Add	*651.69*	
		For ASTM 120, Deduct	*-28.51*	
		For Work In Restricted Working Space, Add	*26.91*	
22 11 16 00-0066	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	412.45	62.52
		For 300 LB Rating, Add	*1,089.17*	
		For ASTM 120, Deduct	*-47.80*	
		For Work In Restricted Working Space, Add	*28.13*	
22 11 16 00-0067	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,385.60	65.26
		For 300 LB Rating, Add	*4,384.25*	
		For ASTM 120, Deduct	*-193.16*	
		For Work In Restricted Working Space, Add	*29.35*	
22 11 16 00-0068	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,655.03	68.23
		For 300 LB Rating, Add	*5,285.45*	
		For ASTM 120, Deduct	*-232.91*	
		For Work In Restricted Working Space, Add	*30.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0069		**Galvanized Malleable Iron Tees** *(22 11 16 00-0013)*		
22 11 16 00-0070	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	34.23	18.92
		For 300 LB Rating, Add	*21.53*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0071	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	42.39	21.90
		For 300 LB Rating, Add	*34.67*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0072	EA	1", 150 LB, Galvanized Malleable Iron Tee	54.28	25.81
		For 300 LB Rating, Add	*55.19*	
		For ASTM 120, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*11.62*	
22 11 16 00-0073	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	70.74	30.76
		For 300 LB Rating, Add	*86.71*	
		For ASTM 120, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0074	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	85.65	36.64
		For 300 LB Rating, Add	*107.61*	
		For ASTM 120, Deduct	*-4.60*	
		For Work In Restricted Working Space, Add	*16.49*	
22 11 16 00-0075	EA	2", 150 LB, Galvanized Malleable Iron Tee	118.03	45.50
		For 300 LB Rating, Add	*173.65*	
		For ASTM 120, Deduct	*-7.48*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0076	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	214.50	49.42
		For 300 LB Rating, Add	*481.84*	
		For ASTM 120, Deduct	*-21.06*	
		For Work In Restricted Working Space, Add	*22.23*	
22 11 16 00-0077	EA	3", 150 LB, Galvanized Malleable Iron Tee	254.35	59.82
		For 300 LB Rating, Add	*565.23*	
		For ASTM 120, Deduct	*-24.70*	
		For Work In Restricted Working Space, Add	*26.91*	
22 11 16 00-0078	EA	4", 150 LB, Galvanized Malleable Iron Tee	507.96	79.00
		For 300 LB Rating, Add	*1,331.47*	
		For ASTM 120, Deduct	*-58.43*	
		For Work In Restricted Working Space, Add	*35.53*	
22 11 16 00-0079	EA	5", 150 LB, Galvanized Malleable Iron Tee	1,365.05	93.79
		For 300 LB Rating, Add	*4,171.43*	
		For ASTM 120, Deduct	*-183.66*	
		For Work In Restricted Working Space, Add	*42.19*	
22 11 16 00-0080	EA	6", 150 LB, Galvanized Malleable Iron Tee	1,549.50	107.21
		For 300 LB Rating, Add	*4,731.46*	
		For ASTM 120, Deduct	*-208.32*	
		For Work In Restricted Working Space, Add	*48.22*	
22 11 16 00-0081		**Galvanized Malleable Iron Reducing Tee** *(22 11 16 00-0013)*		
22 11 16 00-0082	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	41.96	18.92
		For 300 LB Rating, Add	*47.81*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0083	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	46.14	21.90
		For 300 LB Rating, Add	*47.42*	
		For ASTM 120, Deduct	*-2.01*	
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0084	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	57.52	25.81
		For 300 LB Rating, Add	*66.21*	
		For ASTM 120, Deduct	*-2.82*	
		For Work In Restricted Working Space, Add	*11.62*	
22 11 16 00-0085	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	75.19	30.76
		For 300 LB Rating, Add	*101.84*	
		For ASTM 120, Deduct	*-4.37*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0086	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	90.96	36.64
		For 300 LB Rating, Add	*125.66*	
		For ASTM 120, Deduct	*-5.40*	
		For Work In Restricted Working Space, Add	*16.49*	
22 11 16 00-0087	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	120.70	45.50
		For 300 LB Rating, Add	*182.73*	
		For ASTM 120, Deduct	*-7.88*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0088	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	259.90	49.59
		For 300 LB Rating, Add	*635.43*	
		For ASTM 120, Deduct	*-27.84*	
		For Work In Restricted Working Space, Add	*22.30*	
22 11 16 00-0089	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	331.79	60.76
		For 300 LB Rating, Add	*823.78*	
		For ASTM 120, Deduct	*-36.10*	
		For Work In Restricted Working Space, Add	*27.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0090	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	816.14	79.00
		For 300 LB Rating, Add	*2,379.29*	
		For ASTM 120, Deduct	*-104.66*	
		For Work In Restricted Working Space, Add	*35.53*	
22 11 16 00-0091	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	1,758.94	93.79
		For 300 LB Rating, Add	*5,510.66*	
		For ASTM 120, Deduct	*-242.75*	
		For Work In Restricted Working Space, Add	*42.19*	
22 11 16 00-0092	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	1,996.25	107.21
		For 300 LB Rating, Add	*6,250.41*	
		For ASTM 120, Deduct	*-275.33*	
		For Work In Restricted Working Space, Add	*48.22*	

22 11 16 00-0093 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0094	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	29.32	15.17
		For 300 LB Rating, Add	*23.80*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0095	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	33.03	16.96
		For 300 LB Rating, Add	*27.37*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*7.63*	
22 11 16 00-0096	EA	1", 150 LB, Galvanized Malleable Iron Coupling	40.86	18.92
		For 300 LB Rating, Add	*44.07*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0097	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	49.72	21.48
		For 300 LB Rating, Add	*61.67*	
		For ASTM 120, Deduct	*-2.64*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0098	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	56.23	24.19
		For 300 LB Rating, Add	*70.07*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0099	EA	2", 150 LB, Galvanized Malleable Iron Coupling	75.25	30.76
		For 300 LB Rating, Add	*102.04*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0100	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	157.54	45.50
		For 300 LB Rating, Add	*307.98*	
		For ASTM 120, Deduct	*-13.41*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0101	EA	3", 150 LB, Galvanized Malleable Iron Coupling	209.15	59.82
		For 300 LB Rating, Add	*411.55*	
		For ASTM 120, Deduct	*-17.92*	
		For Work In Restricted Working Space, Add	*26.91*	
22 11 16 00-0102	EA	4", 150 LB, Galvanized Malleable Iron Coupling	347.47	62.52
		For 300 LB Rating, Add	*868.24*	
		For ASTM 120, Deduct	*-38.06*	
		For Work In Restricted Working Space, Add	*28.13*	
22 11 16 00-0103	EA	5", 150 LB, Galvanized Malleable Iron Coupling	812.24	65.26
		For 300 LB Rating, Add	*2,434.83*	
		For ASTM 120, Deduct	*-107.16*	
		For Work In Restricted Working Space, Add	*29.35*	
22 11 16 00-0104	EA	6", 150 LB, Galvanized Malleable Iron Coupling	916.19	68.23
		For 300 LB Rating, Add	*2,773.40*	
		For ASTM 120, Deduct	*-122.09*	
		For Work In Restricted Working Space, Add	*30.69*	

22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0106	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	30.72	15.17
		For 300 LB Rating, Add	*28.56*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0107	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	33.98	16.96
		For 300 LB Rating, Add	*30.60*	
		For ASTM 120, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*7.63*	
22 11 16 00-0108	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	42.66	18.92
		For 300 LB Rating, Add	*50.19*	
		For ASTM 120, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0109	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	50.59	21.48
		For 300 LB Rating, Add	*64.63*	
		For ASTM 120, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0110	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	60.04	24.19
		For 300 LB Rating, Add	*83.03*	
		For ASTM 120, Deduct	*-3.57*	
		For Work In Restricted Working Space, Add	*10.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0111	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	78.49	30.76
		For 300 LB Rating, Add	*113.06*	
		For ASTM 120, Deduct	*-4.87*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0112	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	158.67	45.50
		For 300 LB Rating, Add	*311.82*	
		For ASTM 120, Deduct	*-13.58*	
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0113	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	205.77	59.82
		For 300 LB Rating, Add	*400.05*	
		For ASTM 120, Deduct	*-17.41*	
		For Work In Restricted Working Space, Add	*26.91*	
22 11 16 00-0114	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	354.01	62.52
		For 300 LB Rating, Add	*890.48*	
		For ASTM 120, Deduct	*-39.04*	
		For Work In Restricted Working Space, Add	*28.13*	
22 11 16 00-0115	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	849.85	65.26
		For 300 LB Rating, Add	*2,562.70*	
		For ASTM 120, Deduct	*-112.80*	
		For Work In Restricted Working Space, Add	*29.35*	
22 11 16 00-0116	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	959.02	68.23
		For 300 LB Rating, Add	*2,919.02*	
		For ASTM 120, Deduct	*-128.51*	
		For Work In Restricted Working Space, Add	*30.69*	

22 11 16 00-0117 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0118	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	15.64	7.07
		For 300 LB Rating, Add	*17.61*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0119	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	18.27	7.59
		For 300 LB Rating, Add	*24.18*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0120	EA	1", 150 LB, Galvanized Malleable Iron Cap	21.68	8.78
		For 300 LB Rating, Add	*29.92*	
		For ASTM 120, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0121	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	25.03	9.20
		For 300 LB Rating, Add	*39.18*	
		For ASTM 120, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-0122	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	28.20	9.20
		For 300 LB Rating, Add	*49.96*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-0123	EA	2", 150 LB, Galvanized Malleable Iron Cap	38.56	12.19
		For 300 LB Rating, Add	*69.88*	
		For ASTM 120, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0124	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	81.49	15.17
		For 300 LB Rating, Add	*201.18*	
		For ASTM 120, Deduct	*-8.82*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0125	EA	3", 150 LB, Galvanized Malleable Iron Cap	98.70	18.32
		For 300 LB Rating, Add	*243.80*	
		For ASTM 120, Deduct	*-10.68*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0126	EA	4", 150 LB, Galvanized Malleable Iron Cap	189.50	21.46
		For 300 LB Rating, Add	*536.95*	
		For ASTM 120, Deduct	*-23.60*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0127	EA	5", 150 LB, Galvanized Malleable Iron Cap	462.36	26.84
		For 300 LB Rating, Add	*1,437.82*	
		For ASTM 120, Deduct	*-63.33*	
		For Work In Restricted Working Space, Add	*12.05*	
22 11 16 00-0128	EA	6", 150 LB, Galvanized Malleable Iron Cap	581.43	31.90
		For 300 LB Rating, Add	*1,816.94*	
		For ASTM 120, Deduct	*-80.03*	
		For Work In Restricted Working Space, Add	*14.36*	

22 11 16 00-0129 Galvanized Malleable Iron Unions *(22 11 16 00-0013)*

22 11 16 00-0130	EA	1/2", 150 LB, Galvanized Malleable Iron Union	47.90	18.92
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0131	EA	3/4", 150 LB, Galvanized Malleable Iron Union	55.18	21.90
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0132	EA	1", 150 LB, Galvanized Malleable Iron Union	68.08	25.81
		For Work In Restricted Working Space, Add	*11.62*	
22 11 16 00-0133	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	88.48	30.76
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0134	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	106.39	36.64
		For Work In Restricted Working Space, Add	*16.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0135	EA	2", 150 LB, Galvanized Malleable Iron Union	127.26	45.50
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0136	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	305.95	67.06
		For Work In Restricted Working Space, Add	*30.19*	
22 11 16 00-0137	EA	3", 150 LB, Galvanized Malleable Iron Union	419.77	88.19
		For Work In Restricted Working Space, Add	*39.72*	
22 11 16 00-0138	EA	1/2", 250 LB, Galvanized Malleable Iron Union	68.06	18.92
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0139	EA	3/4", 250 LB, Galvanized Malleable Iron Union	68.81	21.90
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0140	EA	1", 250 LB, Galvanized Malleable Iron Union	83.41	25.81
		For Work In Restricted Working Space, Add	*11.62*	
22 11 16 00-0141	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union	113.71	30.76
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0142	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union	132.87	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 11 16 00-0143	EA	2", 250 LB, Galvanized Malleable Iron Union	178.16	45.50
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0144	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union	390.00	67.06
		For Work In Restricted Working Space, Add	*30.19*	
22 11 16 00-0145	EA	3", 250 LB, Galvanized Malleable Iron Union	576.38	88.19
		For Work In Restricted Working Space, Add	*39.72*	
22 11 16 00-0146	EA	4", 250 LB, Galvanized Malleable Iron Union	834.86	92.26
		For Work In Restricted Working Space, Add	*41.52*	
22 11 16 00-0147	EA	1/2", 300 LB, Galvanized Malleable Iron Union	73.59	18.92
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0148	EA	3/4", 300 LB, Galvanized Malleable Iron Union	81.78	21.90
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0149	EA	1", 300 LB, Galvanized Malleable Iron Union	103.74	25.81
		For Work In Restricted Working Space, Add	*11.62*	
22 11 16 00-0150	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union	136.70	30.76
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0151	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union	164.13	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 11 16 00-0152	EA	2", 300 LB, Galvanized Malleable Iron Union	199.17	45.50
		For Work In Restricted Working Space, Add	*20.45*	
22 11 16 00-0153	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union	466.08	67.06
		For Work In Restricted Working Space, Add	*30.19*	
22 11 16 00-0154	EA	3", 300 LB, Galvanized Malleable Iron Union	750.47	88.19
		For Work In Restricted Working Space, Add	*39.72*	
22 11 16 00-0155	EA	4", 300 LB, Galvanized Malleable Iron Union	1,688.55	92.26
		For Work In Restricted Working Space, Add	*41.52*	

22 11 16 00-0156 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0157	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	13.43	8.09
		For Schedule 80 Nipples, Add	*1.43*	
		For ASTM 120, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0158	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	13.19	8.09
		For Schedule 80 Nipples, Add	*1.15*	
		For ASTM 120, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0159	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	13.41	8.09
		For Schedule 80 Nipples, Add	*1.40*	
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0160	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	14.80	8.78
		For Schedule 80 Nipples, Add	*1.93*	
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0161	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	16.47	9.46
		For Schedule 80 Nipples, Add	*2.59*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0162	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	16.86	9.46
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0163	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	22.08	12.19
		For Schedule 80 Nipples, Add	*4.28*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0164	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	33.87	15.17
		For Schedule 80 Nipples, Add	*12.71*	
		For ASTM 120, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0165	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	40.84	18.32
		For Schedule 80 Nipples, Add	*15.23*	
		For ASTM 120, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*8.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0166	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	52.17	21.46
		For Schedule 80 Nipples, Add	*22.83*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0167	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.62	8.09
		For Schedule 80 Nipples, Add	*1.64*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0168	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.25	8.09
		For Schedule 80 Nipples, Add	*1.22*	
		For ASTM 120, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0169	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*1.53*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0170	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.62	8.09
		For Schedule 80 Nipples, Add	*1.64*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0171	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.25	8.09
		For Schedule 80 Nipples, Add	*1.22*	
		For ASTM 120, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0172	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*1.53*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0173	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.10	8.78
		For Schedule 80 Nipples, Add	*2.27*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0174	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	16.63	9.46
		For Schedule 80 Nipples, Add	*2.77*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0175	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	17.05	9.46
		For Schedule 80 Nipples, Add	*3.25*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0176	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.10	8.09
		For Schedule 80 Nipples, Add	*2.19*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0177	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.43	8.09
		For Schedule 80 Nipples, Add	*1.43*	
		For ASTM 120, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0178	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.66	8.09
		For Schedule 80 Nipples, Add	*1.69*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0179	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.27	8.78
		For Schedule 80 Nipples, Add	*2.46*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0180	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.87	9.46
		For Schedule 80 Nipples, Add	*3.04*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0181	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.38	9.46
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0182	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.54	12.19
		For Schedule 80 Nipples, Add	*4.80*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0183	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.10	8.09
		For Schedule 80 Nipples, Add	*2.19*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0184	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	13.43	8.09
		For Schedule 80 Nipples, Add	*1.43*	
		For ASTM 120, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0185	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	13.66	8.09
		For Schedule 80 Nipples, Add	*1.69*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0186	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.27	8.78
		For Schedule 80 Nipples, Add	*2.46*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0187	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	16.87	9.46
		For Schedule 80 Nipples, Add	*3.04*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0188	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	17.38	9.46
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0189	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	22.54	12.19
		For Schedule 80 Nipples, Add	*4.80*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0190	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	34.30	15.17
		For Schedule 80 Nipples, Add	*13.20*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0191	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	42.68	18.32
		For Schedule 80 Nipples, Add	*17.33*	
		For ASTM 120, Deduct	*-2.28*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0192	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.46	8.09
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0193	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.73	8.09
		For Schedule 80 Nipples, Add	*1.77*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0194	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.10	8.09
		For Schedule 80 Nipples, Add	*2.19*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0195	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.70	8.78
		For Schedule 80 Nipples, Add	*2.95*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0196	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.38	9.46
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0197	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.22	9.46
		For Schedule 80 Nipples, Add	*4.58*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0198	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.45	12.19
		For Schedule 80 Nipples, Add	*5.84*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0199	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.16	15.17
		For Schedule 80 Nipples, Add	*15.32*	
		For ASTM 120, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0200	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	45.32	18.32
		For Schedule 80 Nipples, Add	*20.34*	
		For ASTM 120, Deduct	*-2.68*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0201	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.46	8.09
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0202	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.73	8.09
		For Schedule 80 Nipples, Add	*1.77*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0203	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.46	8.09
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0204	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.70	8.78
		For Schedule 80 Nipples, Add	*2.95*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0205	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	17.38	9.46
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0206	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.22	9.46
		For Schedule 80 Nipples, Add	*4.58*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0207	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	23.49	12.19
		For Schedule 80 Nipples, Add	*5.88*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*5.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0208	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	36.16	15.17
		For Schedule 80 Nipples, Add	*15.32*	
		For ASTM 120, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0209	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	45.32	18.32
		For Schedule 80 Nipples, Add	*20.34*	
		For ASTM 120, Deduct	*-2.68*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0210	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	56.09	21.46
		For Schedule 80 Nipples, Add	*27.30*	
		For ASTM 120, Deduct	*-3.59*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0211	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.32	8.09
		For Schedule 80 Nipples, Add	*3.58*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0212	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.04	8.09
		For Schedule 80 Nipples, Add	*2.12*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0213	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.47	8.09
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0214	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.29	8.78
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0215	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.13	9.46
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0216	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.06	9.46
		For Schedule 80 Nipples, Add	*5.54*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0217	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.86	12.19
		For Schedule 80 Nipples, Add	*7.44*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0218	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	37.71	15.17
		For Schedule 80 Nipples, Add	*17.09*	
		For ASTM 120, Deduct	*-2.25*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0219	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	48.27	18.32
		For Schedule 80 Nipples, Add	*23.70*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0220	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	59.00	21.46
		For Schedule 80 Nipples, Add	*30.62*	
		For ASTM 120, Deduct	*-4.03*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0221	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.32	8.09
		For Schedule 80 Nipples, Add	*3.58*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0222	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.04	8.09
		For Schedule 80 Nipples, Add	*2.12*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0223	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.47	8.09
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0224	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	16.29	8.78
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0225	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	18.13	9.46
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0226	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.06	9.46
		For Schedule 80 Nipples, Add	*5.54*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0227	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.86	12.19
		For Schedule 80 Nipples, Add	*7.44*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0228	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	37.71	15.17
		For Schedule 80 Nipples, Add	*17.09*	
		For ASTM 120, Deduct	*-2.25*	
		For Work In Restricted Working Space, Add	*6.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0229	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	48.27	18.32
		For Schedule 80 Nipples, Add	*23.70*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0230	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	59.00	21.46
		For Schedule 80 Nipples, Add	*30.62*	
		For ASTM 120, Deduct	*-4.03*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0231	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.66	8.09
		For Schedule 80 Nipples, Add	*3.97*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0232	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.29	8.09
		For Schedule 80 Nipples, Add	*2.41*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0233	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.92	8.09
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0234	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	16.71	8.78
		For Schedule 80 Nipples, Add	*4.10*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0235	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	18.76	9.46
		For Schedule 80 Nipples, Add	*5.20*	
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0236	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.67	9.46
		For Schedule 80 Nipples, Add	*6.24*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0237	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.92	12.19
		For Schedule 80 Nipples, Add	*8.65*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0238	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	39.19	15.17
		For Schedule 80 Nipples, Add	*18.78*	
		For ASTM 120, Deduct	*-2.47*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0239	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	49.47	18.32
		For Schedule 80 Nipples, Add	*25.07*	
		For ASTM 120, Deduct	*-3.30*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0240	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	61.83	21.46
		For Schedule 80 Nipples, Add	*33.85*	
		For ASTM 120, Deduct	*-4.45*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0241	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	26.11	8.09
		For Schedule 80 Nipples, Add	*15.88*	
		For ASTM 120, Deduct	*-2.09*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0242	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	15.90	8.09
		For Schedule 80 Nipples, Add	*4.24*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0243	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.94	8.09
		For Schedule 80 Nipples, Add	*5.43*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0244	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	19.14	8.78
		For Schedule 80 Nipples, Add	*6.87*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0245	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	21.59	9.46
		For Schedule 80 Nipples, Add	*8.42*	
		For ASTM 120, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0246	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	22.68	9.46
		For Schedule 80 Nipples, Add	*9.67*	
		For ASTM 120, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0247	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	30.70	12.19
		For Schedule 80 Nipples, Add	*14.10*	
		For ASTM 120, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0248	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	43.91	15.17
		For Schedule 80 Nipples, Add	*24.16*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0249	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	57.10	18.32
		For Schedule 80 Nipples, Add	*33.77*	
		For ASTM 120, Deduct	*-4.44*	
		For Work In Restricted Working Space, Add	*8.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0250	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	67.57	21.46
		For Schedule 80 Nipples, Add	*40.39*	
		For ASTM 120, Deduct	*-5.31*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0251	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	18.82	8.09
		For Schedule 80 Nipples, Add	*7.57*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0252	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	16.60	8.09
		For Schedule 80 Nipples, Add	*5.04*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0253	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.46	8.09
		For Schedule 80 Nipples, Add	*6.02*	
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0254	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	20.00	8.78
		For Schedule 80 Nipples, Add	*7.85*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0255	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	23.04	9.46
		For Schedule 80 Nipples, Add	*10.08*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0256	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	24.09	9.46
		For Schedule 80 Nipples, Add	*11.27*	
		For ASTM 120, Deduct	*-1.48*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0257	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	32.80	12.19
		For Schedule 80 Nipples, Add	*16.50*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0258	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	46.88	15.17
		For Schedule 80 Nipples, Add	*27.54*	
		For ASTM 120, Deduct	*-3.62*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0259	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	61.27	18.32
		For Schedule 80 Nipples, Add	*38.52*	
		For ASTM 120, Deduct	*-5.07*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0260	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	73.20	21.46
		For Schedule 80 Nipples, Add	*46.81*	
		For ASTM 120, Deduct	*-6.16*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0261	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	19.54	8.09
		For Schedule 80 Nipples, Add	*8.39*	
		For ASTM 120, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0262	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	17.21	8.09
		For Schedule 80 Nipples, Add	*5.73*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0263	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.10	8.09
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0264	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	21.14	8.78
		For Schedule 80 Nipples, Add	*9.15*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0265	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	24.82	9.46
		For Schedule 80 Nipples, Add	*12.11*	
		For ASTM 120, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0266	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	25.52	9.46
		For Schedule 80 Nipples, Add	*12.90*	
		For ASTM 120, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0267	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	34.94	12.19
		For Schedule 80 Nipples, Add	*18.94*	
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0268	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	49.75	15.17
		For Schedule 80 Nipples, Add	*30.81*	
		For ASTM 120, Deduct	*-4.05*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0269	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	65.48	18.32
		For Schedule 80 Nipples, Add	*43.32*	
		For ASTM 120, Deduct	*-5.70*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0270	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	78.88	21.46
		For Schedule 80 Nipples, Add	*53.28*	
		For ASTM 120, Deduct	*-7.01*	
		For Work In Restricted Working Space, Add	*9.64*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0271		**Galvanized Malleable Iron Square Head Plugs** *(22 11 16 00-0013)*		
22 11 16 00-0272	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	17.13	6.05
		For 300 LB Rating, Add	*27.88*	
		For Work In Restricted Working Space, Add	*2.73*	
22 11 16 00-0273	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	18.21	6.81
		For 300 LB Rating, Add	*27.95*	
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-0274	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	20.18	7.59
		For 300 LB Rating, Add	*30.67*	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0275	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	26.42	8.60
		For 300 LB Rating, Add	*46.88*	
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0276	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	32.76	9.63
		For 300 LB Rating, Add	*62.95*	
		For Work In Restricted Working Space, Add	*4.35*	
22 11 16 00-0277	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	41.64	12.27
		For 300 LB Rating, Add	*80.05*	
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-0278	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	72.55	18.15
		For 300 LB Rating, Add	*155.62*	
		For Work In Restricted Working Space, Add	*8.18*	
22 11 16 00-0279	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	100.14	23.94
		For 300 LB Rating, Add	*220.64*	
		For Work In Restricted Working Space, Add	*10.76*	
22 11 16 00-0280	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	170.92	24.99
		For 300 LB Rating, Add	*455.84*	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0281	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	283.91	26.12
		For 300 LB Rating, Add	*834.57*	
		For Work In Restricted Working Space, Add	*11.74*	
22 11 16 00-0282	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	305.53	27.25
		For 300 LB Rating, Add	*902.13*	
		For Work In Restricted Working Space, Add	*12.28*	
22 11 16 00-0283		**Galvanized Malleable Iron Bushing** *(22 11 16 00-0013)*		
22 11 16 00-0284	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	34.98	16.02
		For Work In Restricted Working Space, Add	*7.22*	
22 11 16 00-0285	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	38.60	17.04
		For Work In Restricted Working Space, Add	*7.67*	
22 11 16 00-0286	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	39.28	17.97
		For Work In Restricted Working Space, Add	*8.08*	
22 11 16 00-0287	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	45.69	18.32
		For Work In Restricted Working Space, Add	*8.23*	
22 11 16 00-0288	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	45.40	19.17
		For Work In Restricted Working Space, Add	*8.64*	
22 11 16 00-0289	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing	46.88	20.20
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-0290	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	53.62	19.68
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-0291	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	54.98	20.53
		For Work In Restricted Working Space, Add	*9.26*	
22 11 16 00-0292	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	54.08	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0293	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	54.28	22.83
		For Work In Restricted Working Space, Add	*10.26*	
22 11 16 00-0294	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	64.53	22.93
		For Work In Restricted Working Space, Add	*10.32*	
22 11 16 00-0295	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	63.80	23.86
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0296	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	63.75	24.80
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0297	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	65.62	26.08
		For Work In Restricted Working Space, Add	*11.73*	
22 11 16 00-0298	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	64.41	27.43
		For Work In Restricted Working Space, Add	*12.35*	
22 11 16 00-0299	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	90.42	31.19
		For Work In Restricted Working Space, Add	*14.04*	
22 11 16 00-0300	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	91.90	32.20
		For Work In Restricted Working Space, Add	*14.49*	
22 11 16 00-0301	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	93.77	33.40
		For Work In Restricted Working Space, Add	*15.05*	
22 11 16 00-0302	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	95.02	34.85
		For Work In Restricted Working Space, Add	*15.66*	
22 11 16 00-0303	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	95.04	38.09
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0304	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	115.14	38.34
		For Work In Restricted Working Space, Add	*17.27*	
22 11 16 00-0305	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	116.61	39.37
		For Work In Restricted Working Space, Add	*17.71*	
22 11 16 00-0306	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	118.50	40.65
		For Work In Restricted Working Space, Add	*18.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0307	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	119.42	42.01
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-0308	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	119.05	45.25
		For Work In Restricted Working Space, Add	*20.36*	
22 11 16 00-0309	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	133.08	52.65
		For Work In Restricted Working Space, Add	*23.68*	
22 11 16 00-0310	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	179.55	39.22
		For Work In Restricted Working Space, Add	*17.66*	
22 11 16 00-0311	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	180.95	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 11 16 00-0312	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	182.71	41.39
		For Work In Restricted Working Space, Add	*18.61*	
22 11 16 00-0313	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	184.65	42.68
		For Work In Restricted Working Space, Add	*19.19*	
22 11 16 00-0314	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	175.06	45.73
		For Work In Restricted Working Space, Add	*20.58*	
22 11 16 00-0315	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	199.69	52.72
		For Work In Restricted Working Space, Add	*23.71*	
22 11 16 00-0316	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	201.88	59.47
		For Work In Restricted Working Space, Add	*26.76*	

22 11 16 00-0317 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

22 11 16 00-0318	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	63.30	31.14
22 11 16 00-0319	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	69.02	34.09
22 11 16 00-0320	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	81.02	38.51
22 11 16 00-0321	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	84.65	39.87
22 11 16 00-0322	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	92.16	43.37
22 11 16 00-0323	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	103.25	45.25

22 11 16 00-0324 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

22 11 16 00-0325	EA	3/4", 125 LB, Galvanized Cast Iron Flange	190.71	34.09
		For Work In Restricted Working Space, Add	*15.34*	
22 11 16 00-0326	EA	1", 125 LB, Galvanized Cast Iron Flange	165.85	38.51
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0327	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	116.92	39.87
		For Work In Restricted Working Space, Add	*17.94*	
22 11 16 00-0328	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	191.99	43.37
		For Work In Restricted Working Space, Add	*19.51*	
22 11 16 00-0329	EA	2", 125 LB, Galvanized Cast Iron Flange	179.52	45.25
		For Work In Restricted Working Space, Add	*20.36*	
22 11 16 00-0330	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	209.12	52.40
		For Work In Restricted Working Space, Add	*23.56*	
22 11 16 00-0331	EA	3", 125 LB, Galvanized Cast Iron Flange	452.32	66.46
		For Work In Restricted Working Space, Add	*29.89*	
22 11 16 00-0332	EA	4", 125 LB, Galvanized Cast Iron Flange	344.72	85.75
		For Work In Restricted Working Space, Add	*38.57*	
22 11 16 00-0333	EA	5", 125 LB, Galvanized Cast Iron Flange	492.40	102.07
		For Work In Restricted Working Space, Add	*45.91*	
22 11 16 00-0334	EA	6", 125 LB, Galvanized Cast Iron Flange	538.53	117.26
		For Work In Restricted Working Space, Add	*52.74*	

22 11 16 00-0335 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0336	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	27.77	
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0337	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	30.55	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0338	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	33.33	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0339	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	36.10	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0340	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	37.95	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0341	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	39.81	
		For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0342	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	41.66	
		For Work In Restricted Working Space, Add	*12.50*	
22 11 16 00-0343	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	43.51	
		For Work In Restricted Working Space, Add	*13.05*	
22 11 16 00-0344	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	45.36	
		For Work In Restricted Working Space, Add	*13.61*	

22 11 16 00-0345 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0876 for pipe with fittings assembly.

22 11 16 00-0346 Copper Tube/Pipe *(22 11 16 00-0345)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0347 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0346)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0348	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	3.89	2.08
		For Medical/Oxygen Service Tubing, Add	*0.06*	
		For <20, Add	*0.08*	
		For >150, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0349	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	4.38	2.16
		For Medical/Oxygen Service Tubing, Add	*0.09*	
		For <20, Add	*0.11*	
		For >150, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.98*	
22 11 16 00-0350	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	4.73	2.26
		For Medical/Oxygen Service Tubing, Add	*0.11*	
		For <20, Add	*0.13*	
		For >150, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0351	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	5.77	2.39
		For Medical/Oxygen Service Tubing, Add	*0.17*	
		For <20, Add	*0.22*	
		For >150, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*1.08*	
22 11 16 00-0352	LF	1" Hard Drawn Type L Copper Tube/Pipe	7.20	2.70
		For Medical/Oxygen Service Tubing, Add	*0.25*	
		For <20, Add	*0.32*	
		For >150, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0353	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	10.36	4.00
		For Medical/Oxygen Service Tubing, Add	*0.35*	
		For <20, Add	*0.44*	
		For >150, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*1.80*	
22 11 16 00-0354	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	12.30	4.47
		For Medical/Oxygen Service Tubing, Add	*0.45*	
		For <20, Add	*0.56*	
		For >150, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*2.01*	
22 11 16 00-0355	LF	2" Hard Drawn Type L Copper Tube/Pipe	17.14	5.51
		For Medical/Oxygen Service Tubing, Add	*0.71*	
		For <20, Add	*0.89*	
		For >150, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*2.48*	
22 11 16 00-0356	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	32.27	6.48
		For Medical/Oxygen Service Tubing, Add	*1.02*	
		For <20, Add	*1.28*	
		For >150, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-0357	LF	3" Hard Drawn Type L Copper Tube/Pipe	39.99	7.64
		For Medical/Oxygen Service Tubing, Add	*1.37*	
		For <20, Add	*1.71*	
		For >150, Deduct	*-3.42*	
		For Work In Restricted Working Space, Add	*6.87*	
22 11 16 00-0358	LF	4" Hard Drawn Type L Copper Tube/Pipe	56.29	8.62
		For Medical/Oxygen Service Tubing, Add	*2.44*	
		For <20, Add	*3.04*	
		For >150, Deduct	*-6.09*	
		For Work In Restricted Working Space, Add	*7.76*	
22 11 16 00-0359	LF	5" Hard Drawn Type L Copper Tube/Pipe	83.47	9.90
		For Medical/Oxygen Service Tubing, Add	*4.30*	
		For <20, Add	*5.38*	
		For >150, Deduct	*-10.75*	
		For Work In Restricted Working Space, Add	*8.91*	
22 11 16 00-0360	LF	6" Hard Drawn Type L Copper Tube/Pipe	116.75	15.35
		For Medical/Oxygen Service Tubing, Add	*5.66*	
		For <20, Add	*7.07*	
		For >150, Deduct	*-14.15*	
		For Work In Restricted Working Space, Add	*13.80*	
22 11 16 00-0361	LF	8" Hard Drawn Type L Copper Tube/Pipe	184.45	17.06
		For Medical/Oxygen Service Tubing, Add	*10.66*	
		For <20, Add	*13.33*	
		For >150, Deduct	*-26.66*	
		For Work In Restricted Working Space, Add	*15.34*	

22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0346)*

22 11 16 00-0363	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	4.22	2.24
		For Medical/Oxygen Service Tubing, Add	*0.07*	
		For <20, Add	*0.09*	
		For >150, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0364	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	5.39	2.33
		For Medical/Oxygen Service Tubing, Add	*0.12*	
		For <20, Add	*0.16*	
		For >150, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*1.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0365	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	5.57	2.42
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For <20, Add	*0.18*	
		For >150, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*1.12*	
22 11 16 00-0366	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	7.63	2.58
		For Medical/Oxygen Service Tubing, Add	*0.26*	
		For <20, Add	*0.33*	
		For >150, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0367	LF	1" Hard Drawn Type K Copper Tube/Pipe	8.99	2.90
		For Medical/Oxygen Service Tubing, Add	*0.35*	
		For <20, Add	*0.44*	
		For >150, Deduct	*-0.88*	
		For Work In Restricted Working Space, Add	*1.38*	
22 11 16 00-0368	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	11.99	4.31
		For Medical/Oxygen Service Tubing, Add	*0.44*	
		For <20, Add	*0.55*	
		For >150, Deduct	*-1.09*	
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0369	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	14.32	4.81
		For Medical/Oxygen Service Tubing, Add	*0.56*	
		For <20, Add	*0.70*	
		For >150, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0370	LF	2" Hard Drawn Type K Copper Tube/Pipe	19.73	5.94
		For Medical/Oxygen Service Tubing, Add	*0.86*	
		For <20, Add	*1.07*	
		For >150, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*2.70*	
22 11 16 00-0371	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	35.55	6.97
		For Medical/Oxygen Service Tubing, Add	*1.28*	
		For <20, Add	*1.60*	
		For >150, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*5.87*	
22 11 16 00-0372	LF	3" Hard Drawn Type K Copper Tube/Pipe	47.07	8.21
		For Medical/Oxygen Service Tubing, Add	*1.75*	
		For <20, Add	*2.19*	
		For >150, Deduct	*-4.37*	
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0373	LF	4" Hard Drawn Type K Copper Tube/Pipe	67.53	9.27
		For Medical/Oxygen Service Tubing, Add	*3.12*	
		For <20, Add	*3.90*	
		For >150, Deduct	*-7.79*	
		For Work In Restricted Working Space, Add	*8.57*	
22 11 16 00-0374	LF	5" Hard Drawn Type K Copper Tube/Pipe	105.11	10.64
		For Medical/Oxygen Service Tubing, Add	*5.71*	
		For <20, Add	*7.14*	
		For >150, Deduct	*-14.28*	
		For Work In Restricted Working Space, Add	*10.11*	
22 11 16 00-0375	LF	6" Hard Drawn Type K Copper Tube/Pipe	156.79	16.49
		For Medical/Oxygen Service Tubing, Add	*8.20*	
		For <20, Add	*10.24*	
		For >150, Deduct	*-20.49*	
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0376	LF	8" Hard Drawn Type K Copper Tube/Pipe	251.72	18.34
		For Medical/Oxygen Service Tubing, Add	*15.35*	
		For <20, Add	*19.18*	
		For >150, Deduct	*-38.37*	
		For Work In Restricted Working Space, Add	*17.97*	

22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0346)*

22 11 16 00-0378	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	3.70	1.95
		For <20, Add	*0.09*	
		For >150, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.85*	
22 11 16 00-0379	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	3.90	2.03
		For <20, Add	*0.10*	
		For >150, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*0.87*	
22 11 16 00-0380	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	4.70	2.15
		For <20, Add	*0.16*	
		For >150, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*0.93*	
22 11 16 00-0381	LF	1" Hard Drawn Type M Copper Tube/Pipe	5.92	2.42
		For <20, Add	*0.25*	
		For >150, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0382	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	8.91	3.61
		For <20, Add	*0.36*	
		For >150, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*1.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0383	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	11.07	4.02
		For <20, Add	*0.50*	
		For >150, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0384	LF	2" Hard Drawn Type M Copper Tube/Pipe	15.38	4.96
		For <20, Add	*0.78*	
		For >150, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*2.27*	
22 11 16 00-0385	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	29.73	5.84
		For <20, Add	*1.13*	
		For >150, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0386	LF	3" Hard Drawn Type M Copper Tube/Pipe	35.72	6.87
		For <20, Add	*1.51*	
		For >150, Deduct	*-3.01*	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0387	LF	4" Hard Drawn Type M Copper Tube/Pipe	52.30	7.76
		For <20, Add	*2.82*	
		For >150, Deduct	*-5.64*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0388	LF	5" Hard Drawn Type M Copper Tube/Pipe	82.56	8.92
		For <20, Add	*5.47*	
		For >150, Deduct	*-10.94*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0389	LF	6" Hard Drawn Type M Copper Tube/Pipe	116.21	13.81
		For <20, Add	*7.31*	
		For >150, Deduct	*-14.62*	
		For Work In Restricted Working Space, Add	*12.94*	
22 11 16 00-0390	LF	8" Hard Drawn Type M Copper Tube/Pipe	185.94	15.36
		For <20, Add	*13.85*	
		For >150, Deduct	*-27.70*	
		For Work In Restricted Working Space, Add	*14.23*	

22 11 16 00-0391 Soft Drawn Type L Copper Tube *(22 11 16 00-0346)*

22 11 16 00-0392	LF	1/4" Soft Drawn Type L Copper Tube	4.11	2.08
		For <20, Add	*0.10*	
		For >150, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0393	LF	3/8" Soft Drawn Type L Copper Tube	4.79	2.16
		For <20, Add	*0.15*	
		For >150, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*0.98*	
22 11 16 00-0394	LF	1/2" Soft Drawn Type L Copper Tube	5.46	2.26
		For <20, Add	*0.21*	
		For >150, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0395	LF	5/8" Soft Drawn Type L Copper Tube	6.15	2.33
		For <20, Add	*0.27*	
		For >150, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.05*	
22 11 16 00-0396	LF	3/4" Soft Drawn Type L Copper Tube	6.76	2.39
		For <20, Add	*0.32*	
		For >150, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*1.08*	
22 11 16 00-0397	LF	1" Soft Drawn Type L Copper Tube	8.43	2.70
		For <20, Add	*0.44*	
		For >150, Deduct	*-0.88*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0398	LF	1-1/4" Soft Drawn Type L Copper Tube	11.79	4.00
		For <20, Add	*0.58*	
		For >150, Deduct	*-1.16*	
		For Work In Restricted Working Space, Add	*1.80*	
22 11 16 00-0399	LF	1-1/2" Soft Drawn Type L Copper Tube	14.54	4.47
		For <20, Add	*0.78*	
		For >150, Deduct	*-1.57*	
		For Work In Restricted Working Space, Add	*2.01*	
22 11 16 00-0400	LF	2" Soft Drawn Type L Copper Tube	20.73	5.51
		For <20, Add	*1.25*	
		For >150, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*2.48*	

22 11 16 00-0401 Soft Drawn Type K Copper Tube *(22 11 16 00-0346)*

22 11 16 00-0402	LF	1/4" Soft Drawn Type K Copper Tube	4.21	2.08
		For <20, Add	*0.11*	
		For >150, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0403	LF	3/8" Soft Drawn Type K Copper Tube	5.12	2.16
		For <20, Add	*0.19*	
		For >150, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*0.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF	1/2" Soft Drawn Type K Copper Tube	5.73	2.26
		For <20, Add	*0.23*	
		For >150, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0405	LF	5/8" Soft Drawn Type K Copper Tube	6.28	2.33
		For <20, Add	*0.28*	
		For >150, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*1.05*	
22 11 16 00-0406	LF	3/4" Soft Drawn Type K Copper Tube	7.92	2.39
		For <20, Add	*0.43*	
		For >150, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*1.08*	
22 11 16 00-0407	LF	1" Soft Drawn Type K Copper Tube	9.78	2.70
		For <20, Add	*0.57*	
		For >150, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0408	LF	1-1/4" Soft Drawn Type K Copper Tube	12.78	4.00
		For <20, Add	*0.68*	
		For >150, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*1.80*	
22 11 16 00-0409	LF	1-1/2" Soft Drawn Type K Copper Tube	16.11	4.47
		For <20, Add	*0.94*	
		For >150, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*2.01*	
22 11 16 00-0410	LF	2" Soft Drawn Type K Copper Tube	22.90	5.51
		For <20, Add	*1.46*	
		For >150, Deduct	*-2.93*	
		For Work In Restricted Working Space, Add	*2.48*	
22 11 16 00-0411	LF	2-1/2" Soft Drawn Type K Copper Tube	31.86	6.62
		For <20, Add	*2.19*	
		For >150, Deduct	*-4.39*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0412	LF	3" Soft Drawn Type K Copper Tube	42.23	7.81
		For <20, Add	*3.05*	
		For >150, Deduct	*-6.10*	
		For Work In Restricted Working Space, Add	*3.51*	

22 11 16 00-0413 Copper And Brass Fittings *(22 11 16 00-0345)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0414 90 Degree Copper Elbows *(22 11 16 00-0413)*

22 11 16 00-0415	EA	1/4" 90 Degree Copper Elbow	20.70	12.35
		For Silver Solder Instead Of 95/5 Solder, Add	*2.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Street Fitting, Add	*0.88*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0416	EA	3/8" 90 Degree Copper Elbow	24.52	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Street Fitting, Add	*0.92*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0417	EA	1/2" 90 Degree Copper Elbow	31.30	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Street Fitting, Add	*0.30*	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0418	EA	3/4" 90 Degree Copper Elbow	39.64	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*5.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Street Fitting, Add	*0.68*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0419	EA	1" 90 Degree Copper Elbow	49.49	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Street Fitting, Add	*1.65*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0420	EA	1-1/4" 90 Degree Copper Elbow	55.23	32.76
		For Silver Solder Instead Of 95/5 Solder, Add	*7.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.36*	
		For Street Fitting, Add	*2.47*	
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0421	EA	1-1/2" 90 Degree Copper Elbow	63.34	35.82
		For Silver Solder Instead Of 95/5 Solder, Add	*8.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.05*	
		For Street Fitting, Add	*3.86*	
		For Work In Restricted Working Space, Add	*16.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0422	EA	2" 90 Degree Copper Elbow	77.76	40.18
		For Silver Solder Instead Of 95/5 Solder, Add	*9.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Street Fitting, Add	*7.04*	
		For Work In Restricted Working Space, Add	*18.05*	
22 11 16 00-0423	EA	2-1/2" 90 Degree Copper Elbow	95.84	40.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.20*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0424	EA	3" 90 Degree Copper Elbow	121.91	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*13.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0425	EA	4" 90 Degree Copper Elbow	221.97	69.36
		For Silver Solder Instead Of 95/5 Solder, Add	*21.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.59*	
		For Work In Restricted Working Space, Add	*31.19*	
22 11 16 00-0426	EA	5" 90 Degree Copper Elbow	636.70	94.92
		For Silver Solder Instead Of 95/5 Solder, Add	*46.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.34*	
		For Work In Restricted Working Space, Add	*42.69*	
22 11 16 00-0427	EA	6" 90 Degree Copper Elbow	866.14	138.12
		For Silver Solder Instead Of 95/5 Solder, Add	*64.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.06*	
		For Work In Restricted Working Space, Add	*62.12*	
22 11 16 00-0428	EA	8" 90 Degree Copper Elbow	2,714.35	184.13
		For Silver Solder Instead Of 95/5 Solder, Add	*163.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-149.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.41*	
		For Work In Restricted Working Space, Add	*82.82*	
22 11 16 00-0429		90 Degree Brass Elbows *(22 11 16 00-0413)*		
22 11 16 00-0430	EA	1/2" Drop Ear 90 Degree Brass Elbow	35.26	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0431	EA	3/4" Drop Ear 90 Degree Brass Elbow	51.68	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0432	EA	1/2" Flanged Sink 90 Degree Brass Elbow	39.14	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*5.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0433	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	29.25	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0434	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	35.59	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0435	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	46.83	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0436	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	73.70	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*8.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0437		Reducing 90 Degree Copper Elbows *(22 11 16 00-0413)*		
22 11 16 00-0438	EA	1/2" Reducing 90 Degree Copper Elbow	36.64	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0439	EA	3/4" Reducing 90 Degree Copper Elbow	42.26	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*5.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0440	EA	1" Reducing 90 Degree Copper Elbow	53.28	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0441	EA	1-1/4" Reducing 90 Degree Copper Elbow	69.23	32.76
		For Silver Solder Instead Of 95/5 Solder, Add	*8.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.36*	
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0442	EA	1-1/2" Reducing 90 Degree Copper Elbow	80.20	35.82
		For Silver Solder Instead Of 95/5 Solder, Add	*9.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.05*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0443	EA	2" Reducing 90 Degree Copper Elbow	95.85	40.18
		For Silver Solder Instead Of 95/5 Solder, Add	*10.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Work In Restricted Working Space, Add	*18.05*	

22 11 16 00-0444 45 Degree Copper Elbows *(22 11 16 00-0413)*

22 11 16 00-0445	EA	1/4" 45 Degree Copper Elbow	22.59	12.35
		For Silver Solder Instead Of 95/5 Solder, Add	*2.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Street Fitting, Add	*1.63*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0446	EA	3/8" 45 Degree Copper Elbow	25.71	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Street Fitting, Add	*1.40*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0447	EA	1/2" 45 Degree Copper Elbow	31.93	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Street Fitting, Add	*0.55*	
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-0448	EA	3/4" 45 Degree Copper Elbow	40.30	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*5.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Street Fitting, Add	*0.94*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0449	EA	1" 45 Degree Copper Elbow	51.24	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Street Fitting, Add	*2.35*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0450	EA	1-1/4" 45 Degree Copper Elbow	57.02	32.76
		For Silver Solder Instead Of 95/5 Solder, Add	*7.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.36*	
		For Street Fitting, Add	*3.18*	
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0451	EA	1-1/2" 45 Degree Copper Elbow	63.46	35.82
		For Silver Solder Instead Of 95/5 Solder, Add	*8.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.05*	
		For Street Fitting, Add	*3.91*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0452	EA	2" 45 Degree Copper Elbow	76.47	40.18
		For Silver Solder Instead Of 95/5 Solder, Add	*9.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Work In Restricted Working Space, Add	*18.05*	
22 11 16 00-0453	EA	2-1/2" 45 Degree Copper Elbow	95.42	40.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.20*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0454	EA	3" 45 Degree Copper Elbow	123.83	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*13.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0455	EA	4" 45 Degree Copper Elbow	211.76	69.36
		For Silver Solder Instead Of 95/5 Solder, Add	*20.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.59*	
		For Work In Restricted Working Space, Add	*31.19*	
22 11 16 00-0456	EA	5" 45 Degree Copper Elbow	559.80	94.92
		For Silver Solder Instead Of 95/5 Solder, Add	*42.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.34*	
		For Work In Restricted Working Space, Add	*42.69*	
22 11 16 00-0457	EA	6" 45 Degree Copper Elbow	865.01	138.12
		For Silver Solder Instead Of 95/5 Solder, Add	*63.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.06*	
		For Work In Restricted Working Space, Add	*62.12*	
22 11 16 00-0458	EA	8" 45 Degree Copper Elbow	2,511.79	184.13
		For Silver Solder Instead Of 95/5 Solder, Add	*153.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-139.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.41*	
		For Work In Restricted Working Space, Add	*82.82*	

22 11 16 00-0459 Straight Copper And Brass Tees *(22 11 16 00-0413)*

22 11 16 00-0460	EA	1/4" Straight Copper Tee	32.35	18.51
		For Silver Solder Instead Of 95/5 Solder, Add	*4.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.17*	
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0461	EA	3/8" Straight Copper Tee	37.02	22.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0462	EA	1/2" Straight Copper Tee	47.57	30.91
		For Silver Solder Instead Of 95/5 Solder, Add	*7.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.94*	
		For Work In Restricted Working Space, Add	*13.88*	
22 11 16 00-0463	EA	3/4" Straight Copper Tee	60.47	38.33
		For Silver Solder Instead Of 95/5 Solder, Add	*8.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0464	EA	1" Straight Copper Tee	77.77	45.73
		For Silver Solder Instead Of 95/5 Solder, Add	*10.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
22 11 16 00-0465	EA	1-1/4" Straight Copper Tee	86.98	49.43
		For Silver Solder Instead Of 95/5 Solder, Add	*11.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.11*	
		For Work In Restricted Working Space, Add	*22.22*	
22 11 16 00-0466	EA	1-1/2" Straight Copper Tee	100.09	53.69
		For Silver Solder Instead Of 95/5 Solder, Add	*13.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.08*	
		For Work In Restricted Working Space, Add	*24.16*	
22 11 16 00-0467	EA	2" Straight Copper Tee	121.79	60.54
		For Silver Solder Instead Of 95/5 Solder, Add	*15.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.61*	
		For Work In Restricted Working Space, Add	*27.22*	
22 11 16 00-0468	EA	2-1/2" Straight Copper Tee	153.50	61.35
		For Silver Solder Instead Of 95/5 Solder, Add	*16.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.80*	
		For Work In Restricted Working Space, Add	*27.61*	
22 11 16 00-0469	EA	3" Straight Copper Tee	204.69	73.87
		For Silver Solder Instead Of 95/5 Solder, Add	*21.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.61*	
		For Work In Restricted Working Space, Add	*33.23*	
22 11 16 00-0470	EA	4" Straight Copper Tee	382.39	103.44
		For Silver Solder Instead Of 95/5 Solder, Add	*34.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.26*	
		For Work In Restricted Working Space, Add	*46.52*	
22 11 16 00-0471	EA	5" Straight Copper Tee	955.28	141.53
		For Silver Solder Instead Of 95/5 Solder, Add	*68.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-58.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.83*	
		For Work In Restricted Working Space, Add	*63.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0472	EA	6" Straight Copper Tee	1,326.82	207.48
		For Silver Solder Instead Of 95/5 Solder, Add	*97.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-81.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*46.65*	
		For Work In Restricted Working Space, Add	*93.30*	
22 11 16 00-0473	EA	8" Straight Copper Tee	4,332.60	276.23
		For Silver Solder Instead Of 95/5 Solder, Add	*258.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-237.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*62.12*	
		For Work In Restricted Working Space, Add	*124.23*	
22 11 16 00-0474	EA	1/2" Cast Bronze Drop Ear Tee	54.22	30.91
		For Silver Solder Instead Of 95/5 Solder, Add	*7.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.94*	
		For Work In Restricted Working Space, Add	*13.88*	

22 11 16 00-0475 Reducing Copper Tees *(22 11 16 00-0413)*

22 11 16 00-0476	EA	3/8" Reducing Copper Tee	36.92	19.72
		For Silver Solder Instead Of 95/5 Solder, Add	*4.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.44*	
		For Work In Restricted Working Space, Add	*8.89*	
22 11 16 00-0477	EA	1/2" Reducing Copper Tee	48.08	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.25*	
		For Work In Restricted Working Space, Add	*12.50*	
22 11 16 00-0478	EA	3/4" Reducing Copper Tee	56.96	35.82
		For Silver Solder Instead Of 95/5 Solder, Add	*8.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.05*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0479	EA	1" Reducing Copper Tee	75.19	43.23
		For Silver Solder Instead Of 95/5 Solder, Add	*10.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.72*	
		For Work In Restricted Working Space, Add	*19.44*	
22 11 16 00-0480	EA	1-1/4" Reducing Copper Tee	86.13	46.93
		For Silver Solder Instead Of 95/5 Solder, Add	*11.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.55*	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0481	EA	1-1/2" Reducing Copper Tee	99.14	51.28
		For Silver Solder Instead Of 95/5 Solder, Add	*12.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.53*	
		For Work In Restricted Working Space, Add	*23.05*	
22 11 16 00-0482	EA	2" Reducing Copper Tee	118.33	57.39
		For Silver Solder Instead Of 95/5 Solder, Add	*14.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.91*	
		For Work In Restricted Working Space, Add	*25.83*	
22 11 16 00-0483	EA	2-1/2" Reducing Copper Tee	155.96	59.14
		For Silver Solder Instead Of 95/5 Solder, Add	*16.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.29*	
		For Work In Restricted Working Space, Add	*26.58*	
22 11 16 00-0484	EA	3" Reducing Copper Tee	212.85	68.16
		For Silver Solder Instead Of 95/5 Solder, Add	*20.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.34*	
		For Work In Restricted Working Space, Add	*30.68*	
22 11 16 00-0485	EA	4" Reducing Copper Tee	358.92	84.09
		For Silver Solder Instead Of 95/5 Solder, Add	*30.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.92*	
		For Work In Restricted Working Space, Add	*37.83*	

22 11 16 00-0486 Copper Couplings *(22 11 16 00-0413)*

22 11 16 00-0487	EA	1/4" Copper Coupling	18.95	12.35
		For Silver Solder Instead Of 95/5 Solder, Add	*2.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0488	EA	3/8" Copper Coupling	22.79	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0489	EA	1/2" Copper Coupling	31.03	20.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0490	EA	3/4" Copper Coupling	38.93	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*5.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0491	EA	1" Copper Coupling	47.30	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*6.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0492	EA	1-1/4" Copper Coupling	52.48	32.76
		For Silver Solder Instead Of 95/5 Solder, Add	*7.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.36*	
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0493	EA	1-1/2" Copper Coupling	58.21	35.82
		For Silver Solder Instead Of 95/5 Solder, Add	*8.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.05*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0494	EA	2" Copper Coupling	67.69	39.81
		For Silver Solder Instead Of 95/5 Solder, Add	*9.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Work In Restricted Working Space, Add	*18.05*	
22 11 16 00-0495	EA	2-1/2" Copper Coupling	73.40	38.69
		For Silver Solder Instead Of 95/5 Solder, Add	*9.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.69*	
		For Work In Restricted Working Space, Add	*17.38*	
22 11 16 00-0496	EA	3" Copper Coupling	90.92	46.87
		For Silver Solder Instead Of 95/5 Solder, Add	*11.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.48*	
		For Work In Restricted Working Space, Add	*20.96*	
22 11 16 00-0497	EA	4" Copper Coupling	140.09	63.05
		For Silver Solder Instead Of 95/5 Solder, Add	*16.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.06*	
		For Work In Restricted Working Space, Add	*28.12*	
22 11 16 00-0498	EA	5" Copper Coupling	224.45	115.03
		For Silver Solder Instead Of 95/5 Solder, Add	*24.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.17*	
		For Work In Restricted Working Space, Add	*38.34*	
22 11 16 00-0499	EA	6" Copper Coupling	347.15	124.99
		For Silver Solder Instead Of 95/5 Solder, Add	*36.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.12*	
		For Work In Restricted Working Space, Add	*56.24*	
22 11 16 00-0500	EA	8" Copper Coupling	766.47	165.72
		For Silver Solder Instead Of 95/5 Solder, Add	*63.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*37.32*	
		For Work In Restricted Working Space, Add	*74.64*	

22 11 16 00-0501 Reducing Copper Couplings *(22 11 16 00-0413)*

22 11 16 00-0502	EA	3/8" Reducing Copper Coupling	19.47	12.31
		For Silver Solder Instead Of 95/5 Solder, Add	*2.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0503	EA	1/2" Reducing Copper Coupling	27.39	17.58
		For Silver Solder Instead Of 95/5 Solder, Add	*4.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.96*	
		For Work In Restricted Working Space, Add	*7.92*	
22 11 16 00-0504	EA	3/4" Reducing Copper Coupling	35.98	22.87
		For Silver Solder Instead Of 95/5 Solder, Add	*5.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.14*	
		For Work In Restricted Working Space, Add	*10.28*	
22 11 16 00-0505	EA	1" Reducing Copper Coupling	44.79	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.25*	
		For Work In Restricted Working Space, Add	*12.50*	
22 11 16 00-0506	EA	1-1/4" Reducing Copper Coupling	51.57	31.48
		For Silver Solder Instead Of 95/5 Solder, Add	*7.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.08*	
		For Work In Restricted Working Space, Add	*14.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0507	EA	1-1/2" Reducing Copper Coupling	58.58	34.25
		For Silver Solder Instead Of 95/5 Solder, Add	*8.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.71*	
		For Work In Restricted Working Space, Add	*15.41*	
22 11 16 00-0508	EA	2" Reducing Copper Coupling	68.08	37.95
		For Silver Solder Instead Of 95/5 Solder, Add	*9.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.54*	
		For Work In Restricted Working Space, Add	*17.08*	
22 11 16 00-0509	EA	2-1/2" Reducing Copper Coupling	81.31	38.94
		For Silver Solder Instead Of 95/5 Solder, Add	*9.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.76*	
		For Work In Restricted Working Space, Add	*17.51*	
22 11 16 00-0510	EA	3" Reducing Copper Coupling	95.68	45.16
		For Silver Solder Instead Of 95/5 Solder, Add	*11.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.10*	
		For Work In Restricted Working Space, Add	*20.20*	
22 11 16 00-0511	EA	4" Reducing Copper Coupling	144.92	59.14
		For Silver Solder Instead Of 95/5 Solder, Add	*16.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.29*	
		For Work In Restricted Working Space, Add	*26.58*	
22 11 16 00-0512	EA	5" Reducing Copper Coupling	343.74	82.39
		For Silver Solder Instead Of 95/5 Solder, Add	*29.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.53*	
		For Work In Restricted Working Space, Add	*37.06*	
22 11 16 00-0513	EA	6" Reducing Copper Coupling	507.13	110.76
		For Silver Solder Instead Of 95/5 Solder, Add	*41.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.92*	
		For Work In Restricted Working Space, Add	*49.85*	
22 11 16 00-0514	EA	8" Reducing Copper Coupling	964.84	161.40
		For Silver Solder Instead Of 95/5 Solder, Add	*72.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-60.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.30*	
		For Work In Restricted Working Space, Add	*72.59*	

22 11 16 00-0515 Male Copper Adapters *(22 11 16 00-0413)*

22 11 16 00-0516	EA	1/4" Male Copper Adapter	26.24	12.03
		For Silver Solder Instead Of 95/5 Solder, Add	*3.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0517	EA	3/8" Male Copper Adapter	26.07	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0518	EA	1/2" Male Copper Adapter	29.33	18.51
		For Silver Solder Instead Of 95/5 Solder, Add	*4.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.17*	
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0519	EA	3/4" Male Copper Adapter	36.90	23.14
		For Silver Solder Instead Of 95/5 Solder, Add	*5.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.14*	
		For Work In Restricted Working Space, Add	*10.28*	
22 11 16 00-0520	EA	1" Male Copper Adapter	46.54	26.85
		For Silver Solder Instead Of 95/5 Solder, Add	*6.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0521	EA	1-1/4" Male Copper Adapter	56.07	30.55
		For Silver Solder Instead Of 95/5 Solder, Add	*7.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.94*	
		For Work In Restricted Working Space, Add	*13.88*	
22 11 16 00-0522	EA	1-1/2" Male Copper Adapter	64.22	35.18
		For Silver Solder Instead Of 95/5 Solder, Add	*8.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.91*	
		For Work In Restricted Working Space, Add	*15.83*	
22 11 16 00-0523	EA	2" Male Copper Adapter	86.97	44.90
		For Silver Solder Instead Of 95/5 Solder, Add	*11.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.14*	
		For Work In Restricted Working Space, Add	*20.27*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0524	EA	2-1/2" Male Copper Adapter	148.73	58.32
		For Silver Solder Instead Of 95/5 Solder, Add	*16.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.11*	
22 11 16 00-0525	EA	3" Male Copper Adapter	197.56	77.75
		For Silver Solder Instead Of 95/5 Solder, Add	*21.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.38*	
		For Work In Restricted Working Space, Add	*34.76*	
22 11 16 00-0526	EA	4" Male Copper Adapter	294.25	109.06
		For Silver Solder Instead Of 95/5 Solder, Add	*31.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.54*	
		For Work In Restricted Working Space, Add	*49.08*	

22 11 16 00-0527 Female Copper Adapters *(22 11 16 00-0413)*

22 11 16 00-0528	EA	1/4" Female Copper Adapter	23.45	12.03
		For Silver Solder Instead Of 95/5 Solder, Add	*3.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-0529	EA	3/8" Female Copper Adapter	27.38	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0530	EA	1/2" Female Copper Adapter	30.27	18.51
		For Silver Solder Instead Of 95/5 Solder, Add	*4.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.17*	
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0531	EA	3/4" Female Copper Adapter	37.67	23.14
		For Silver Solder Instead Of 95/5 Solder, Add	*5.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.14*	
		For Work In Restricted Working Space, Add	*10.28*	
22 11 16 00-0532	EA	1" Female Copper Adapter	47.63	26.85
		For Silver Solder Instead Of 95/5 Solder, Add	*6.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0533	EA	1-1/4" Female Copper Adapter	57.74	30.55
		For Silver Solder Instead Of 95/5 Solder, Add	*7.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.94*	
		For Work In Restricted Working Space, Add	*13.88*	
22 11 16 00-0534	EA	1-1/2" Female Copper Adapter	70.70	35.18
		For Silver Solder Instead Of 95/5 Solder, Add	*8.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.91*	
		For Work In Restricted Working Space, Add	*15.83*	
22 11 16 00-0535	EA	2" Female Copper Adapter	91.91	44.90
		For Silver Solder Instead Of 95/5 Solder, Add	*11.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.14*	
		For Work In Restricted Working Space, Add	*20.27*	
22 11 16 00-0536	EA	2-1/2" Female Copper Adapter	167.17	53.68
		For Silver Solder Instead Of 95/5 Solder, Add	*16.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.02*	
		For Work In Restricted Working Space, Add	*24.03*	
22 11 16 00-0537	EA	3" Female Copper Adapter	262.54	77.75
		For Silver Solder Instead Of 95/5 Solder, Add	*24.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.38*	
		For Work In Restricted Working Space, Add	*34.76*	

22 11 16 00-0538 Wrot Copper, Solder Union *(22 11 16 00-0413)*

22 11 16 00-0539	EA	1/4" Wrot Copper, Solder Union	33.14	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*3.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0540	EA	3/8" Wrot Copper, Solder Union	38.11	17.87
		For Silver Solder Instead Of 95/5 Solder, Add	*4.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.03*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0541	EA	1/2" Wrot Copper, Solder Union	40.29	22.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0542	EA	3/4" Wrot Copper, Solder Union	46.51	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0543	EA	1" Wrot Copper, Solder Union	60.07	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0544	EA	1-1/4" Wrot Copper, Solder Union	71.29	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*8.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0545	EA	1-1/2" Wrot Copper, Solder Union	85.57	37.03
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0546	EA	2" Wrot Copper, Solder Union	117.83	44.43
		For Silver Solder Instead Of 95/5 Solder, Add	*12.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.00*	
		For Work In Restricted Working Space, Add	*19.99*	
22 11 16 00-0547	EA	2-1/2" Wrot Copper, Solder Union	212.88	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*17.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0548	EA	3" Wrot Copper, Solder Union	465.22	69.36
		For Silver Solder Instead Of 95/5 Solder, Add	*33.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.59*	
		For Work In Restricted Working Space, Add	*31.19*	

22 11 16 00-0549 Cast Bronze, Solder Union *(22 11 16 00-0413)*

22 11 16 00-0550	EA	1/4" Cast Bronze, Solder Union	37.17	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*4.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0551	EA	3/8" Cast Bronze, Solder Union	41.91	17.87
		For Silver Solder Instead Of 95/5 Solder, Add	*4.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.03*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0552	EA	1/2" Cast Bronze, Solder Union	41.35	22.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0553	EA	3/4" Cast Bronze, Solder Union	48.01	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0554	EA	1" Cast Bronze, Solder Union	62.67	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0555	EA	1-1/4" Cast Bronze, Solder Union	78.39	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*8.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0556	EA	1-1/2" Cast Bronze, Solder Union	92.98	37.03
		For Silver Solder Instead Of 95/5 Solder, Add	*10.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0557	EA	2" Cast Bronze, Solder Union	130.45	44.43
		For Silver Solder Instead Of 95/5 Solder, Add	*13.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.00*	
		For Work In Restricted Working Space, Add	*19.99*	
22 11 16 00-0558	EA	2-1/2" Cast Bronze, Solder Union	212.87	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*17.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0559	EA	3" Cast Bronze, Solder Union	465.22	69.36
		For Silver Solder Instead Of 95/5 Solder, Add	*33.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.59*	
		For Work In Restricted Working Space, Add	*31.19*	

22 11 16 00-0560 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0413)*

22 11 16 00-0561	EA	1/4" Cast Bronze, Solder X Female Threaded Union	42.61	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*4.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0562	EA	3/8" Cast Bronze, Solder X Female Threaded Union	47.96	17.87
		For Silver Solder Instead Of 95/5 Solder, Add	*5.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.03*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0563	EA	1/2" Cast Bronze, Solder X Female Threaded Union	50.10	22.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0564	EA	3/4" Cast Bronze, Solder X Female Threaded Union	60.80	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0565	EA	1" Cast Bronze, Solder X Female Threaded Union	92.90	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*9.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0566	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	138.58	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*11.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0567	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	167.78	37.03
		For Silver Solder Instead Of 95/5 Solder, Add	*13.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0568	EA	2" Cast Bronze, Solder X Female Threaded Union	256.62	44.43
		For Silver Solder Instead Of 95/5 Solder, Add	*19.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.00*	
		For Work In Restricted Working Space, Add	*19.99*	
22 11 16 00-0569	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	433.42	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*29.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	

22 11 16 00-0570 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0413)*

22 11 16 00-0571	EA	1/4" Cast Bronze, Solder X Male Threaded Union	37.75	14.81
		For Silver Solder Instead Of 95/5 Solder, Add	*4.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0572	EA	3/8" Cast Bronze, Solder X Male Threaded Union	44.99	17.87
		For Silver Solder Instead Of 95/5 Solder, Add	*4.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.03*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0573	EA	1/2" Cast Bronze, Solder X Male Threaded Union	46.56	22.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0574	EA	3/4" Cast Bronze, Solder X Male Threaded Union	57.81	25.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.69*	
		For Work In Restricted Working Space, Add	*11.39*	
22 11 16 00-0575	EA	1" Cast Bronze, Solder X Male Threaded Union	94.27	30.27
		For Silver Solder Instead Of 95/5 Solder, Add	*9.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.80*	
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0576	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	110.66	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*10.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	119.26	37.03
		For Silver Solder Instead Of 95/5 Solder, Add	*11.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0578	EA	2" Cast Bronze, Solder X Male Threaded Union	164.52	44.43
		For Silver Solder Instead Of 95/5 Solder, Add	*14.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.00*	
		For Work In Restricted Working Space, Add	*19.99*	
22 11 16 00-0579	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	360.12	48.91
		For Silver Solder Instead Of 95/5 Solder, Add	*25.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0580		**Copper Caps** *(22 11 16 00-0413)*		
22 11 16 00-0581	EA	1/4" Copper Cap	4.14	2.34
		For Silver Solder Instead Of 95/5 Solder, Add	*0.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0582	EA	3/8" Copper Cap	4.76	2.47
		For Silver Solder Instead Of 95/5 Solder, Add	*0.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.11*	
22 11 16 00-0583	EA	1/2" Copper Cap	4.47	2.66
		For Silver Solder Instead Of 95/5 Solder, Add	*0.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.59*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0584	EA	3/4" Copper Cap	5.95	3.33
		For Silver Solder Instead Of 95/5 Solder, Add	*0.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.48*	
22 11 16 00-0585	EA	1" Copper Cap	8.65	4.21
		For Silver Solder Instead Of 95/5 Solder, Add	*1.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.88*	
22 11 16 00-0586	EA	1-1/4" Copper Cap	11.77	5.78
		For Silver Solder Instead Of 95/5 Solder, Add	*1.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.28*	
		For Work In Restricted Working Space, Add	*2.57*	
22 11 16 00-0587	EA	1-1/2" Copper Cap	14.74	6.80
		For Silver Solder Instead Of 95/5 Solder, Add	*1.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.51*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0588	EA	2" Copper Cap	31.04	15.13
		For Silver Solder Instead Of 95/5 Solder, Add	*3.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.36*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0589	EA	2-1/2" Copper Cap	59.93	23.01
		For Silver Solder Instead Of 95/5 Solder, Add	*6.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.11*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0590	EA	3" Copper Cap	81.74	30.20
		For Silver Solder Instead Of 95/5 Solder, Add	*8.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.71*	
		For Work In Restricted Working Space, Add	*13.42*	
22 11 16 00-0591	EA	4" Copper Cap	123.12	35.95
		For Silver Solder Instead Of 95/5 Solder, Add	*11.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0592	EA	5" Cast Bronze Cap	564.99	49.33
		For Silver Solder Instead Of 95/5 Solder, Add	*35.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
22 11 16 00-0593	EA	6" Cast Bronze Cap	1,072.97	63.91
		For Silver Solder Instead Of 95/5 Solder, Add	*63.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-58.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.20*	
		For Work In Restricted Working Space, Add	*28.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0594	EA	8" Cast Bronze Cap	1,377.95	92.02
		For Silver Solder Instead Of 95/5 Solder, Add	*82.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-75.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.45*	
		For Work In Restricted Working Space, Add	*40.90*	
22 11 16 00-0595		**Copper Crosses** *(22 11 16 00-0413)*		
22 11 16 00-0596	EA	1/2" Copper Cross	64.84	37.49
		For Silver Solder Instead Of 95/5 Solder, Add	*8.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.87*	
22 11 16 00-0597	EA	3/4" Copper Cross	86.58	46.61
		For Silver Solder Instead Of 95/5 Solder, Add	*11.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.48*	
		For Work In Restricted Working Space, Add	*20.96*	
22 11 16 00-0598	EA	1" Copper Cross	111.88	55.64
		For Silver Solder Instead Of 95/5 Solder, Add	*13.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.53*	
		For Work In Restricted Working Space, Add	*25.05*	
22 11 16 00-0599	EA	1-1/4" Copper Cross	131.11	60.24
		For Silver Solder Instead Of 95/5 Solder, Add	*15.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.55*	
		For Work In Restricted Working Space, Add	*27.10*	
22 11 16 00-0600	EA	1-1/2" Copper Cross	156.98	65.87
		For Silver Solder Instead Of 95/5 Solder, Add	*17.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.83*	
		For Work In Restricted Working Space, Add	*29.65*	
22 11 16 00-0601	EA	2" Copper Cross	220.61	73.87
		For Silver Solder Instead Of 95/5 Solder, Add	*22.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.61*	
		For Work In Restricted Working Space, Add	*33.23*	
22 11 16 00-0602	EA	2-1/2" Copper Cross	375.91	81.80
		For Silver Solder Instead Of 95/5 Solder, Add	*31.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.41*	
		For Work In Restricted Working Space, Add	*36.81*	
22 11 16 00-0603		**Cast Bronze Crosses** *(22 11 16 00-0413)*		
22 11 16 00-0604	EA	3/8" Cast Bronze Cross	52.36	27.26
		For Silver Solder Instead Of 95/5 Solder, Add	*6.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.14*	
		For Work In Restricted Working Space, Add	*12.27*	
22 11 16 00-0605	EA	1/2" Cast Bronze Cross	66.56	37.49
		For Silver Solder Instead Of 95/5 Solder, Add	*8.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.87*	
22 11 16 00-0606	EA	3/4" Cast Bronze Cross	89.92	46.61
		For Silver Solder Instead Of 95/5 Solder, Add	*11.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.48*	
		For Work In Restricted Working Space, Add	*20.96*	
22 11 16 00-0607	EA	1" Cast Bronze Cross	117.55	55.64
		For Silver Solder Instead Of 95/5 Solder, Add	*14.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.53*	
		For Work In Restricted Working Space, Add	*25.05*	
22 11 16 00-0608	EA	1-1/4" Cast Bronze Cross	139.27	60.24
		For Silver Solder Instead Of 95/5 Solder, Add	*16.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.55*	
		For Work In Restricted Working Space, Add	*27.10*	
22 11 16 00-0609	EA	1-1/2" Cast Bronze Cross	168.61	65.87
		For Silver Solder Instead Of 95/5 Solder, Add	*18.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.83*	
		For Work In Restricted Working Space, Add	*29.65*	
22 11 16 00-0610	EA	2" Cast Bronze Cross	242.57	73.87
		For Silver Solder Instead Of 95/5 Solder, Add	*23.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.61*	
		For Work In Restricted Working Space, Add	*33.23*	
22 11 16 00-0611	EA	2-1/2" Cast Bronze Cross	426.55	81.80
		For Silver Solder Instead Of 95/5 Solder, Add	*33.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.41*	
		For Work In Restricted Working Space, Add	*36.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0612		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0413)*		
22 11 16 00-0613	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	63.86	25.36
22 11 16 00-0614	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	66.98	25.36
22 11 16 00-0615	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	58.25	25.36
22 11 16 00-0616	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	61.78	25.36
22 11 16 00-0617	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	64.90	25.36
22 11 16 00-0618	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	66.98	25.36
22 11 16 00-0619		**Crimped Copper Fittings** *(22 11 16 00-0345)* Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0620		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0619)*		
22 11 16 00-0621	EA	1/2" Crimped Copper 90 Degree Elbow	19.02	11.11
22 11 16 00-0622	EA	3/4" Crimped Copper 90 Degree Elbow	22.97	12.69
22 11 16 00-0623	EA	1" Crimped Copper 90 Degree Elbow	30.68	15.09
22 11 16 00-0624	EA	1-1/4" Crimped Copper 90 Degree Elbow	41.18	16.66
22 11 16 00-0625	EA	1-1/2" Crimped Copper 90 Degree Elbow	58.40	18.51
22 11 16 00-0626	EA	2" Crimped Copper 90 Degree Elbow	75.90	22.21
22 11 16 00-0627	EA	2-1/2" Crimped Copper 90 Degree Elbow	162.53	25.92
22 11 16 00-0628	EA	3" Crimped Copper 90 Degree Elbow	201.85	30.82
22 11 16 00-0629	EA	4" Crimped Copper 90 Degree Elbow	253.56	40.73
22 11 16 00-0630		**Crimped Copper 45 Degree Elbows** *(22 11 16 00-0619)*		
22 11 16 00-0631	EA	1/2" Crimped Copper 45 Degree Elbow	19.41	11.11
22 11 16 00-0632	EA	3/4" Crimped Copper 45 Degree Elbow	22.34	12.69
22 11 16 00-0633	EA	1" Crimped Copper 45 Degree Elbow	33.51	15.09
22 11 16 00-0634	EA	1-1/4" Crimped Copper 45 Degree Elbow	40.55	16.66
22 11 16 00-0635	EA	1-1/2" Crimped Copper 45 Degree Elbow	52.98	18.51
22 11 16 00-0636	EA	2" Crimped Copper 45 Degree Elbow	68.60	22.21
22 11 16 00-0637	EA	2-1/2" Crimped Copper 45 Degree Elbow	120.56	25.92
22 11 16 00-0638	EA	3" Crimped Copper 45 Degree Elbow	162.98	30.82
22 11 16 00-0639	EA	4" Crimped Copper 45 Degree Elbow	223.16	40.73
22 11 16 00-0640		**Crimped Copper Straight Tees** *(22 11 16 00-0619)*		
22 11 16 00-0641	EA	1/2" Crimped Copper Straight Tee	28.61	16.66
22 11 16 00-0642	EA	3/4" Crimped Copper Straight Tee	39.22	21.94
22 11 16 00-0643	EA	1" Crimped Copper Straight Tee	48.04	24.34
22 11 16 00-0644	EA	1-1/4" Crimped Copper Straight Tee	56.89	25.00
22 11 16 00-0645	EA	1-1/2" Crimped Copper Straight Tee	80.28	28.42
22 11 16 00-0646	EA	2" Crimped Copper Straight Tee	96.56	33.33
22 11 16 00-0647	EA	2-1/2" Crimped Copper Straight Tee	211.09	38.88
22 11 16 00-0648	EA	3" Crimped Copper Straight Tee	260.38	46.28
22 11 16 00-0649	EA	4" Crimped Copper Straight Tee	359.59	61.09
22 11 16 00-0650		**Crimped Copper Reducing Tees** *(22 11 16 00-0619)*		
22 11 16 00-0651	EA	3/4" Crimped Copper Reducing Tee	33.61	15.83
22 11 16 00-0652	EA	1" Crimped Copper Reducing Tee	48.63	20.82
22 11 16 00-0653	EA	1-1/4" Crimped Copper Reducing Tee	52.47	23.14
22 11 16 00-0654	EA	1-1/2" Crimped Copper Reducing Tee	69.10	23.79
22 11 16 00-0655	EA	2" Crimped Copper Reducing Tee	82.78	26.94
22 11 16 00-0656	EA	2-1/2" Crimped Copper Reducing Tee	225.74	30.55
22 11 16 00-0657	EA	3" Crimped Copper Reducing Tee	275.23	37.03
22 11 16 00-0658	EA	4" Crimped Copper Reducing Tee	324.01	49.34
22 11 16 00-0659		**Crimped Copper Couplings** *(22 11 16 00-0619)*		
22 11 16 00-0660	EA	1/2" Crimped Copper Coupling	18.78	11.11
22 11 16 00-0661	EA	3/4" Crimped Copper Coupling	22.19	12.69
22 11 16 00-0662	EA	1" Crimped Copper Coupling	29.18	15.09
22 11 16 00-0663	EA	1-1/4" Crimped Copper Coupling	33.09	16.66
22 11 16 00-0664	EA	1-1/2" Crimped Copper Coupling	42.85	18.51
22 11 16 00-0665	EA	2" Crimped Copper Coupling	52.57	22.21
22 11 16 00-0666	EA	2-1/2" Crimped Copper Coupling	100.46	25.92
22 11 16 00-0667	EA	3" Crimped Copper Coupling	124.71	30.82
22 11 16 00-0668	EA	4" Crimped Copper Coupling	169.99	40.73
22 11 16 00-0669		**Crimped Copper Reducing Couplings** *(22 11 16 00-0619)*		
22 11 16 00-0670	EA	3/4" Crimped Copper Reducing Coupling	25.49	10.55
22 11 16 00-0671	EA	1" Crimped Copper Reducing Coupling	29.13	12.03
22 11 16 00-0672	EA	1-1/4" Crimped Copper Reducing Coupling	37.67	14.34
22 11 16 00-0673	EA	1-1/2" Crimped Copper Reducing Coupling	47.51	15.83
22 11 16 00-0674	EA	2" Crimped Copper Reducing Coupling	53.09	17.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0675	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	104.23	21.01
22 11 16 00-0676	EA	3" Crimped Copper FTG x C Reducing Coupling	129.82	24.72
22 11 16 00-0677	EA	4" Crimped Copper FTG x C Reducing Coupling	168.78	32.67
22 11 16 00-0678		**Crimped Copper Male Adapters** *(22 11 16 00-0619)*		
22 11 16 00-0679	EA	1/2" Crimped Copper Male Adapter	19.26	11.11
22 11 16 00-0680	EA	3/4" Crimped Copper Male Adapter	23.68	12.69
22 11 16 00-0681	EA	1" Crimped Copper Male Adapter	31.31	15.09
22 11 16 00-0682	EA	1-1/4" Crimped Copper Male Adapter	43.93	16.66
22 11 16 00-0683	EA	1-1/2" Crimped Copper Male Adapter	54.32	18.51
22 11 16 00-0684	EA	2" Crimped Copper Male Adapter	84.45	22.21
22 11 16 00-0685	EA	2-1/2" Crimped Copper Male Adapter	162.53	25.92
22 11 16 00-0686	EA	3" Crimped Copper Male Adapter	201.85	30.82
22 11 16 00-0687	EA	4" Crimped Copper Male Adapter	241.16	40.73
22 11 16 00-0688		**Crimped Copper Female Adapters** *(22 11 16 00-0619)*		
22 11 16 00-0689	EA	1/2" Crimped Copper Female Adapter	19.80	11.11
22 11 16 00-0690	EA	3/4" Crimped Copper Female Adapter	24.08	12.69
22 11 16 00-0691	EA	1" Crimped Copper Female Adapter	32.10	15.09
22 11 16 00-0692	EA	1-1/4" Crimped Copper Female Adapter	46.28	16.66
22 11 16 00-0693	EA	1-1/2" Crimped Copper Female Adapter	58.72	18.51
22 11 16 00-0694	EA	2" Crimped Copper Female Adapter	85.87	22.21
22 11 16 00-0695		**Crimped Copper Caps** *(22 11 16 00-0619)*		
22 11 16 00-0696	EA	1/2" Crimped Copper Cap	12.88	5.55
22 11 16 00-0697	EA	3/4" Crimped Copper Cap	17.41	6.48
22 11 16 00-0698	EA	1" Crimped Copper Cap	22.97	7.40
22 11 16 00-0699	EA	1-1/4" Crimped Copper Cap	25.92	8.33
22 11 16 00-0700	EA	1-1/2" Crimped Copper Cap	35.15	9.54
22 11 16 00-0701	EA	2" Crimped Copper Cap	41.95	11.11
22 11 16 00-0702	EA	2-1/2" Crimped Copper Cap	100.29	12.96
22 11 16 00-0703	EA	3" Crimped Copper Cap	125.46	15.46
22 11 16 00-0704	EA	4" Crimped Copper Cap	166.90	20.36
22 11 16 00-0705		**C x F NPT Crimped Bronze Unions** *(22 11 16 00-0619)*		
22 11 16 00-0706	EA	1/2" C x F NPT Crimped Bronze Union	36.03	15.09
22 11 16 00-0707	EA	3/4" C x F NPT Crimped Bronze Union	44.99	18.61
22 11 16 00-0708	EA	1" C x F NPT Crimped Bronze Union	61.85	22.31
22 11 16 00-0709	EA	1-1/4" C x F NPT Crimped Bronze Union	74.66	25.73
22 11 16 00-0710	EA	1-1/2" C x F NPT Crimped Bronze Union	94.31	25.18
22 11 16 00-0711	EA	2" C x F NPT Crimped Bronze Union	129.53	36.48
22 11 16 00-0712		**C x C Crimped Bronze Unions** *(22 11 16 00-0619)*		
22 11 16 00-0713	EA	1/2" C x C Bronze Crimped Union	33.31	11.11
22 11 16 00-0714	EA	3/4" C x C Bronze Crimped Union	40.80	12.69
22 11 16 00-0715	EA	1" C x C Bronze Crimped Union	57.54	15.09
22 11 16 00-0716	EA	1-1/4" C x C Bronze Crimped Union	74.79	16.66
22 11 16 00-0717	EA	1-1/2" C x C Bronze Crimped Union	95.39	18.51
22 11 16 00-0718	EA	2" C x C Bronze Crimped Union	143.76	22.21
22 11 16 00-0719		**C x Flange Crimped Bronze Flange** *(22 11 16 00-0619)*		
22 11 16 00-0720	EA	2-1/2" C x Flange Crimped Bronze Flange	275.32	25.92
22 11 16 00-0721	EA	3" C x Flange Crimped Bronze Flange	300.76	30.82
22 11 16 00-0722	EA	4" C x Flange Crimped Bronze Flange	345.98	40.73
22 11 16 00-0723		**Field Installed FKM Seals** *(22 11 16 00-0619)* Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0724	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	5.49	
22 11 16 00-0725	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	6.90	
22 11 16 00-0726	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.91	
22 11 16 00-0727	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.08	
22 11 16 00-0728	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.51	
22 11 16 00-0729	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	13.98	
22 11 16 00-0730	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	20.48	
22 11 16 00-0731	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	23.58	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0732	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	32.07	

22 11 16 00-0733 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0345)*

22 11 16 00-0734	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	9.25	
22 11 16 00-0735	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	10.00	
22 11 16 00-0736	EA	1", Cut And Prepare Existing In Place Copper Pipe	11.25	
22 11 16 00-0737	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	11.80	
22 11 16 00-0738	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	12.49	
22 11 16 00-0739	EA	2", Cut And Prepare Existing In Place Copper Pipe	13.75	
22 11 16 00-0740	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	14.81	
22 11 16 00-0741	EA	3", Cut And Prepare Existing In Place Copper Pipe	17.49	
22 11 16 00-0742	EA	4", Cut And Prepare Existing In Place Copper Pipe	23.60	
22 11 16 00-0743	EA	6", Cut And Prepare Existing In Place Copper Pipe	33.73	
22 11 16 00-0744	EA	8", Cut And Prepare Existing In Place Copper Pipe	44.99	

22 11 16 00-0745 Sweat Brass Companion Flanges *(22 11 16 00-0345)*

22 11 16 00-0746	EA	1" Sweat Brass Companion Flange	45.03	14.23
22 11 16 00-0747	EA	1-1/4" Sweat Brass Companion Flange	49.19	15.68
22 11 16 00-0748	EA	1-1/2" Sweat Brass Companion Flange	68.50	17.04
22 11 16 00-0749	EA	2" Sweat Brass Companion Flange	90.32	18.92
22 11 16 00-0750	EA	2-1/2" Sweat Brass Companion Flange	113.79	22.75
22 11 16 00-0751	EA	3" Sweat Brass Companion Flange	127.21	29.82
22 11 16 00-0752	EA	4" Sweat Brass Companion Flange	168.35	35.54
22 11 16 00-0753	EA	5" Sweat Brass Companion Flange	315.65	41.80
22 11 16 00-0754	EA	6" Sweat Brass Companion Flange	370.82	60.73
22 11 16 00-0755	EA	8" Copper Companion Flange	825.30	86.62

22 11 16 00-0756 Brass Compression Fittings *(22 11 16 00-0345)*

22 11 16 00-0757 Brass Compression Unions *(22 11 16 00-0756)*

22 11 16 00-0758	EA	1/4" Brass Compression Union	14.93	10.00
22 11 16 00-0759	EA	3/8" Brass Compression Union	16.07	10.00
22 11 16 00-0760	EA	1/2" Brass Compression Union	14.93	10.00
22 11 16 00-0761	EA	5/8" Brass Compression Union	14.93	10.00
22 11 16 00-0762	EA	3/4" Brass Compression Union	20.20	10.00
22 11 16 00-0763	EA	3/8" x 1/4" Brass Compression Union	14.93	10.00
22 11 16 00-0764	EA	1/2" x 3/8" Brass Compression Union	14.93	10.00
22 11 16 00-0765	EA	5/8" x 3/8" Brass Compression Union	14.93	10.00
22 11 16 00-0766	EA	5/8" x 1/2" Brass Compression Union	14.93	10.00

22 11 16 00-0767 Brass Compression Union Elbows *(22 11 16 00-0756)*

22 11 16 00-0768	EA	1/4" Brass Compression Union Elbow	14.93	10.00
22 11 16 00-0769	EA	3/8" Brass Compression Union Elbow	14.93	10.00
22 11 16 00-0770	EA	1/2" Brass Compression Union Elbow	14.93	10.00
22 11 16 00-0771	EA	5/8" Brass Compression Union Elbow	19.28	10.00
22 11 16 00-0772	EA	3/4" Brass Compression Union Elbow	14.93	10.00
22 11 16 00-0773	EA	3/8" x 1/4" Brass Compression Union Elbow	14.93	10.00
22 11 16 00-0774	EA	1/2" x 3/8" Brass Compression Union Elbow	17.98	10.00
22 11 16 00-0775	EA	5/8" x 3/8" Brass Compression Union Elbow	18.22	10.00
22 11 16 00-0776	EA	5/8" x 1/2" Brass Compression Union Elbow	22.01	10.00

22 11 16 00-0777 Brass Compression Union Tees *(22 11 16 00-0756)*

22 11 16 00-0778	EA	1/4" Brass Compression Union Tee	14.93	10.00
22 11 16 00-0779	EA	3/8" Brass Compression Union Tee	14.93	10.00
22 11 16 00-0780	EA	1/2" Brass Compression Union Tee	14.93	10.00
22 11 16 00-0781	EA	5/8" Brass Compression Union Tee	21.32	10.00
22 11 16 00-0782	EA	3/4" Brass Compression Union Tee	14.93	10.00
22 11 16 00-0783	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	18.40	10.00
22 11 16 00-0784	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	14.93	10.00
22 11 16 00-0785	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	22.27	10.00
22 11 16 00-0786	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	22.75	10.00

22 11 16 00-0787 Brass Compression Male Connectors *(22 11 16 00-0756)*

22 11 16 00-0788	EA	1/4" Brass Compression Male Connector	15.67	10.00
22 11 16 00-0789	EA	3/8" Brass Compression Male Connector	15.98	10.00
22 11 16 00-0790	EA	1/2" Brass Compression Male Connector	14.93	10.00
22 11 16 00-0791	EA	5/8" Brass Compression Male Connector	14.93	10.00
22 11 16 00-0792	EA	3/4" Brass Compression Male Connector	18.63	9.91

22 11 16 00-0793 Brass Compression Female Connectors *(22 11 16 00-0756)*

22 11 16 00-0794	EA	1/4" Brass Compression Female Connector	16.00	10.00
22 11 16 00-0795	EA	3/8" Brass Compression Female Connector	16.40	10.00

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0796	EA	1/2" Brass Compression Female Connector	17.07	10.00
22 11 16 00-0797	EA	5/8" Brass Compression Female Connector	14.70	10.00
22 11 16 00-0798	EA	3/4" Brass Compression Female Connector	22.22	9.81
22 11 16 00-0799		Dielectric Fittings *(22 11 16 00-0345)*		
22 11 16 00-0800		Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0801	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	39.11	22.21
22 11 16 00-0802	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	43.73	25.36
22 11 16 00-0803	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	51.80	27.87
22 11 16 00-0804	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	62.48	30.67
22 11 16 00-0805	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	75.26	34.09
22 11 16 00-0806	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	95.38	40.90
22 11 16 00-0807		Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0808	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	42.75	22.21
22 11 16 00-0809	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	49.73	25.36
22 11 16 00-0810	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	59.72	27.87
22 11 16 00-0811	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	72.99	30.67
22 11 16 00-0812	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	88.27	34.09
22 11 16 00-0813	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	110.63	40.90
22 11 16 00-0814		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0815	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	40.44	22.21
22 11 16 00-0816	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	45.92	25.36
22 11 16 00-0817	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	52.38	27.87
22 11 16 00-0818	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	60.45	30.67
22 11 16 00-0819	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	73.25	34.09
22 11 16 00-0820	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	93.76	40.90
22 11 16 00-0821		Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0799)*		
22 11 16 00-0822	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	232.71	105.15
22 11 16 00-0823	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	291.40	132.41
22 11 16 00-0824	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	410.23	180.21
22 11 16 00-0825		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0799)*		
22 11 16 00-0826	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	234.22	105.15
22 11 16 00-0827	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	303.36	132.41
22 11 16 00-0828	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	548.23	180.21
22 11 16 00-0829		Brass Push-Fit Fittings *(22 11 16)*		
22 11 16 00-0830	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	18.35	9.25
22 11 16 00-0831	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	22.17	9.88
22 11 16 00-0832	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	23.31	11.11
22 11 16 00-0833	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	26.48	11.85
22 11 16 00-0834	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	27.20	12.66
22 11 16 00-0835	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	37.21	15.12
22 11 16 00-0836	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	22.73	10.49
22 11 16 00-0837	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	26.07	11.48
22 11 16 00-0838	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	37.60	13.88
22 11 16 00-0839	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	19.00	9.25
22 11 16 00-0840	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	24.92	9.88
22 11 16 00-0841	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	23.66	11.11
22 11 16 00-0842	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	28.08	11.85
22 11 16 00-0843	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	26.74	12.66
22 11 16 00-0844	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	37.56	15.12
22 11 16 00-0845	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	22.44	10.49
22 11 16 00-0846	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	24.93	11.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0847	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	45.48	13.88
22 11 16 00-0848	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	28.77	13.88
22 11 16 00-0849	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	35.37	14.81
22 11 16 00-0850	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	33.59	16.66
22 11 16 00-0851	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	41.44	17.78
22 11 16 00-0852	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	39.01	18.97
22 11 16 00-0853	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	52.07	22.67
22 11 16 00-0854	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	36.55	15.73
22 11 16 00-0855	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	36.83	16.05
22 11 16 00-0856	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	37.61	18.21
22 11 16 00-0857	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	50.30	21.45
22 11 16 00-0858	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	21.53	10.18
22 11 16 00-0859	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	21.44	10.49
22 11 16 00-0860	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	21.48	11.11
22 11 16 00-0861	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	24.56	12.66
22 11 16 00-0862	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.50	15.12
22 11 16 00-0863	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.32	10.18
22 11 16 00-0864	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.44	10.49
22 11 16 00-0865	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.52	11.11
22 11 16 00-0866	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	24.36	12.66
22 11 16 00-0867	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	25.91	12.24
22 11 16 00-0868	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.77	13.88
22 11 16 00-0869	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.91	15.12
22 11 16 00-0870	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	29.13	11.11
22 11 16 00-0871	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	33.92	12.66
22 11 16 00-0872	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	44.20	15.12
22 11 16 00-0873	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	30.91	11.11
22 11 16 00-0874	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	36.92	12.66
22 11 16 00-0875	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	59.81	15.12

22 11 16 00-0876 Copper Pipe Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0877	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	17.53	2.60
		For Type K Tubing Instead Of Type L, Add	*1.11*	
		For Type M Tubing Instead Of Type L, Deduct	*-0.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*4.34*	
22 11 16 00-0878	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.10	3.33
		For Type K Tubing Instead Of Type L, Add	*1.30*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.10*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*4.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0879	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly	21.91	3.98
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.51*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*5.16*	
22 11 16 00-0880	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	24.37	4.63
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.85*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.11*	
		For Work In Restricted Working Space, Add	*5.36*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.65*	
22 11 16 00-0881	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	26.89	5.28
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.13*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.70*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.30*	
		For Work In Restricted Working Space, Add	*5.72*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.78*	
22 11 16 00-0882	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly	33.40	6.57
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.88*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*6.58*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.15*	
22 11 16 00-0883	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	40.41	7.92
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.97*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*7.05*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.69*	
22 11 16 00-0884	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly	48.58	9.20
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.05*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.31*	
22 11 16 00-0885	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly	74.19	12.19
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*8.51*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.36*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.13*	
22 11 16 00-0886	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly	129.69	15.17
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*16.94*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.60*	
		For Work In Restricted Working Space, Add	*12.68*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.74*	
22 11 16 00-0887	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly	169.01	18.32
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*22.26*	
		For Type M Tubing Instead Of Type L, Deduct	*-15.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.13*	
		For Work In Restricted Working Space, Add	*16.10*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-11.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0888	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	362.66	21.90
		For Type K Tubing Instead Of Type L, Add	*54.28*	
		For Type M Tubing Instead Of Type L, Deduct	*-38.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.47*	
		For Work In Restricted Working Space, Add	*20.01*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-29.60*	
22 11 16 00-0889		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)* Note: Socket weld.		
22 11 16 00-0890		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0889)*		
22 11 16 00-0891		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0890)*		
22 11 16 00-0892	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.67	1.36
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0893	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	5.31	1.43
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0894	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.38	1.54
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0895	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.71	1.68
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0896	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.88	1.86
		For Work In Restricted Working Space, Add	*1.40*	
22 11 16 00-0897	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.06	2.08
		For Work In Restricted Working Space, Add	*1.56*	
22 11 16 00-0898	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.89	2.37
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0899	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	18.96	2.80
		For Work In Restricted Working Space, Add	*2.09*	
22 11 16 00-0900	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	26.16	3.43
		For Work In Restricted Working Space, Add	*2.57*	
22 11 16 00-0901	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	44.93	4.36
		For Work In Restricted Working Space, Add	*3.28*	
22 11 16 00-0902	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	64.48	5.73
		For Work In Restricted Working Space, Add	*4.29*	
22 11 16 00-0903		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0890)*		
22 11 16 00-0904	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	18.16	6.47
		For Work In Restricted Working Space, Add	*4.86*	
22 11 16 00-0905	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	23.52	8.18
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0906	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	30.49	10.22
		For Work In Restricted Working Space, Add	*7.69*	
22 11 16 00-0907	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	41.37	12.78
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0908	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	45.98	14.14
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0909	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	53.74	14.14
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-0910	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	82.01	17.97
		For Work In Restricted Working Space, Add	*13.50*	
22 11 16 00-0911	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	93.40	21.31
		For Work In Restricted Working Space, Add	*15.95*	
22 11 16 00-0912	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	132.53	26.16
		For Work In Restricted Working Space, Add	*19.63*	
22 11 16 00-0913	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	167.25	33.23
		For Work In Restricted Working Space, Add	*24.95*	
22 11 16 00-0914	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	314.87	43.63
		For Work In Restricted Working Space, Add	*32.72*	
22 11 16 00-0915		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0890)*		
22 11 16 00-0916	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	19.15	6.47
		For Work In Restricted Working Space, Add	*4.86*	
22 11 16 00-0917	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	24.70	8.18
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0918	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	32.40	10.22
		For Work In Restricted Working Space, Add	*7.69*	
22 11 16 00-0919	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	43.89	12.78
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0920	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	49.05	14.14
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0921	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	54.78	15.85
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-0922	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	82.67	17.97
		For Work In Restricted Working Space, Add	*13.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0923	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	93.31	21.31
		For Work In Restricted Working Space, Add	*15.95*	
22 11 16 00-0924	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	120.51	26.16
		For Work In Restricted Working Space, Add	*19.63*	
22 11 16 00-0925	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	189.79	33.23
		For Work In Restricted Working Space, Add	*24.95*	
22 11 16 00-0926	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	330.83	43.63
		For Work In Restricted Working Space, Add	*32.72*	

22 11 16 00-0927 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0890)*

22 11 16 00-0928	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	27.87	9.71
		For Work In Restricted Working Space, Add	*7.28*	
22 11 16 00-0929	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	36.39	12.27
		For Work In Restricted Working Space, Add	*9.20*	
22 11 16 00-0930	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	45.55	15.42
		For Work In Restricted Working Space, Add	*11.55*	
22 11 16 00-0931	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	62.89	19.25
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0932	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	70.18	21.31
		For Work In Restricted Working Space, Add	*15.95*	
22 11 16 00-0933	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	84.68	23.69
		For Work In Restricted Working Space, Add	*17.79*	
22 11 16 00-0934	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	109.15	27.01
		For Work In Restricted Working Space, Add	*20.24*	
22 11 16 00-0935	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	125.10	31.86
		For Work In Restricted Working Space, Add	*23.93*	
22 11 16 00-0936	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	151.71	39.28
		For Work In Restricted Working Space, Add	*29.45*	
22 11 16 00-0937	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	229.40	49.93
		For Work In Restricted Working Space, Add	*37.42*	
22 11 16 00-0938	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	463.22	65.44
		For Work In Restricted Working Space, Add	*49.08*	

22 11 16 00-0939 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0890)*

22 11 16 00-0940	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	35.47	12.95
		For Work In Restricted Working Space, Add	*9.71*	
22 11 16 00-0941	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	45.83	16.36
		For Work In Restricted Working Space, Add	*12.27*	
22 11 16 00-0942	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	57.36	20.53
		For Work In Restricted Working Space, Add	*15.39*	
22 11 16 00-0943	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	76.86	25.64
		For Work In Restricted Working Space, Add	*19.22*	
22 11 16 00-0944	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	85.54	28.37
		For Work In Restricted Working Space, Add	*21.27*	
22 11 16 00-0945	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	100.92	31.61
		For Work In Restricted Working Space, Add	*23.72*	
22 11 16 00-0946	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	125.87	35.96
		For Work In Restricted Working Space, Add	*26.99*	
22 11 16 00-0947	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	145.38	42.52
		For Work In Restricted Working Space, Add	*31.90*	
22 11 16 00-0948	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	177.01	52.31
		For Work In Restricted Working Space, Add	*39.26*	
22 11 16 00-0949	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	256.46	66.54
		For Work In Restricted Working Space, Add	*49.90*	
22 11 16 00-0950	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	476.19	87.25
		For Work In Restricted Working Space, Add	*65.44*	

22 11 16 00-0951 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0890)*

22 11 16 00-0952	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	16.18	5.97
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0953	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	22.50	8.09
		For Work In Restricted Working Space, Add	*6.06*	
22 11 16 00-0954	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	36.93	10.57
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0955	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	41.64	11.67
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0956	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	48.93	13.03
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0957	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	53.44	14.82
		For Work In Restricted Working Space, Add	*11.15*	
22 11 16 00-0958	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	64.75	17.55
		For Work In Restricted Working Space, Add	*13.16*	
22 11 16 00-0959	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	87.46	21.56
		For Work In Restricted Working Space, Add	*16.21*	
22 11 16 00-0960	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	139.82	27.43
		For Work In Restricted Working Space, Add	*20.58*	
22 11 16 00-0961	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	304.27	35.96
		For Work In Restricted Working Space, Add	*26.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0962		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts** *(22 11 16 00-0890)*		
22 11 16 00-0963	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	18.37	4.26
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0964	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	23.32	5.97
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0965	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	29.13	8.09
		For Work In Restricted Working Space, Add	*6.06*	
22 11 16 00-0966	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	36.36	10.57
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0967	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	42.48	11.67
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0968	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	53.15	13.03
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0969	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	80.99	14.82
		For Work In Restricted Working Space, Add	*11.15*	
22 11 16 00-0970	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	158.39	17.55
		For Work In Restricted Working Space, Add	*13.16*	
22 11 16 00-0971	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	234.50	21.56
		For Work In Restricted Working Space, Add	*16.21*	
22 11 16 00-0972		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters** *(22 11 16 00-0890)*		
22 11 16 00-0973	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	13.61	4.26
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0974	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	19.00	5.97
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0975	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	26.94	8.09
		For Work In Restricted Working Space, Add	*6.06*	
22 11 16 00-0976	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	36.36	10.57
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0977	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	42.68	11.67
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0978	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	50.82	13.03
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0979	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	71.57	14.82
		For Work In Restricted Working Space, Add	*11.15*	
22 11 16 00-0980	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	85.50	17.55
		For Work In Restricted Working Space, Add	*13.16*	
22 11 16 00-0981	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	124.39	21.56
		For Work In Restricted Working Space, Add	*16.21*	
22 11 16 00-0982		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters** *(22 11 16 00-0890)*		
22 11 16 00-0983	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	14.73	4.26
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0984	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	19.36	5.97
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0985	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	27.03	8.09
		For Work In Restricted Working Space, Add	*6.06*	
22 11 16 00-0986	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	36.69	10.57
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0987	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	41.17	11.67
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0988	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	49.59	13.03
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0989	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	72.28	14.82
		For Work In Restricted Working Space, Add	*11.15*	
22 11 16 00-0990	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	97.93	17.55
		For Work In Restricted Working Space, Add	*13.16*	
22 11 16 00-0991	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	145.53	21.56
		For Work In Restricted Working Space, Add	*16.21*	
22 11 16 00-0992		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 11 16 00-0890)*		
22 11 16 00-0993	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	12.23	3.91
		For Work In Restricted Working Space, Add	*2.91*	
22 11 16 00-0994	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	17.20	5.45
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-0995	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	23.11	7.33
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0996	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	31.18	9.63
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0997	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	35.60	10.65
		For Work In Restricted Working Space, Add	*7.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0998	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	40.11	11.85
		For Work In Restricted Working Space, Add	*8.90*	
22 11 16 00-0999	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	58.82	13.47
		For Work In Restricted Working Space, Add	*10.12*	
22 11 16 00-1000	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	65.20	15.93
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-1001	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	82.27	19.59
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-1002	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	127.85	24.97
		For Work In Restricted Working Space, Add	*18.71*	
22 11 16 00-1003	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	214.47	32.72
		For Work In Restricted Working Space, Add	*24.54*	

22 11 16 00-1004 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0890)*

22 11 16 00-1005	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	22.40	4.69
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-1006	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	27.62	6.56
		For Work In Restricted Working Space, Add	*4.91*	
22 11 16 00-1007	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	33.59	8.78
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-1008	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	56.10	11.50
		For Work In Restricted Working Space, Add	*8.64*	
22 11 16 00-1009	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	59.65	12.78
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-1010	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	81.73	14.23
		For Work In Restricted Working Space, Add	*10.69*	
22 11 16 00-1011	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	136.10	16.19
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-1012	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	192.38	19.17
		For Work In Restricted Working Space, Add	*14.36*	
22 11 16 00-1013	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	304.52	23.52
		For Work In Restricted Working Space, Add	*17.66*	
22 11 16 00-1014	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	406.58	29.91
		For Work In Restricted Working Space, Add	*22.44*	
22 11 16 00-1015	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	503.41	39.28
		For Work In Restricted Working Space, Add	*29.45*	

22 11 16 00-1016 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0890)*

22 11 16 00-1017	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	7.21	1.28
		For Work In Restricted Working Space, Add	*0.97*	
22 11 16 00-1018	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	12.45	2.73
		For Work In Restricted Working Space, Add	*2.04*	
22 11 16 00-1019	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	20.96	4.43
		For Work In Restricted Working Space, Add	*3.30*	
22 11 16 00-1020	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	22.95	4.77
		For Work In Restricted Working Space, Add	*3.61*	
22 11 16 00-1021	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	24.44	5.28
		For Work In Restricted Working Space, Add	*3.99*	
22 11 16 00-1022	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.76	5.97
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-1023	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	49.18	6.73
		For Work In Restricted Working Space, Add	*5.06*	
22 11 16 00-1024	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	52.99	8.01
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-1025	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	80.29	9.80
		For Work In Restricted Working Space, Add	*7.36*	
22 11 16 00-1026	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	169.91	12.44
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-1027	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	219.02	16.36
		For Work In Restricted Working Space, Add	*12.27*	

22 11 16 00-1028 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0890)*

22 11 16 00-1029	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	17.33	3.07
		For Work In Restricted Working Space, Add	*2.33*	
22 11 16 00-1030	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	21.18	4.35
		For Work In Restricted Working Space, Add	*3.27*	
22 11 16 00-1031	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	26.10	5.88
		For Work In Restricted Working Space, Add	*4.40*	
22 11 16 00-1032	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	31.02	7.67
		For Work In Restricted Working Space, Add	*5.78*	
22 11 16 00-1033	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	33.36	8.52
		For Work In Restricted Working Space, Add	*6.39*	
22 11 16 00-1034	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	39.71	9.46
		For Work In Restricted Working Space, Add	*7.11*	
22 11 16 00-1035	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	52.01	10.82
		For Work In Restricted Working Space, Add	*8.10*	
22 11 16 00-1036	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	59.13	12.78
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-1037	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	73.84	15.68
		For Work In Restricted Working Space, Add	*11.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1038	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	104.26	19.94
		For Work In Restricted Working Space, Add	*14.98*	
22 11 16 00-1039	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	188.00	26.16
		For Work In Restricted Working Space, Add	*19.63*	

22 11 16 00-1040 Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*

Note: Aboveground, domestic water usage.

22 11 16 00-1041 Cross-Linked Polyethylene Tubing *(22 11 16 00-1040)*

22 11 16 00-1042	LF	3/8" Cross-Linked Polyethylene Tubing	3.05	
		For Work In Restricted Working Space, Add	*0.80*	
22 11 16 00-1043	LF	1/2" Cross-Linked Polyethylene Tubing	3.31	
		For Work In Restricted Working Space, Add	*0.87*	
22 11 16 00-1044	LF	3/4" Cross-Linked Polyethylene Tubing	3.88	
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-1045	LF	1" Cross-Linked Polyethylene Tubing	4.59	
		For Work In Restricted Working Space, Add	*0.99*	

22 11 16 00-1046 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1040)*

Note: Aboveground, domestic water usage.

22 11 16 00-1047 Male Adapters *(22 11 16 00-1046)*

22 11 16 00-1048	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	16.74	
		For Work In Restricted Working Space, Add	*4.16*	
22 11 16 00-1049	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	18.00	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1050	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	19.59	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1051	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	20.52	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1052	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	19.59	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1053	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.30	
		For Work In Restricted Working Space, Add	*5.55*	

22 11 16 00-1054 Female Adapters *(22 11 16 00-1046)*

22 11 16 00-1055	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	18.33	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1056	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	20.50	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1057	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	21.43	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1058	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	20.50	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1059	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	25.72	
		For Work In Restricted Working Space, Add	*5.55*	

22 11 16 00-1060 Tube Adapters *(22 11 16 00-1046)*

22 11 16 00-1061	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	15.38	
		For Work In Restricted Working Space, Add	*4.16*	
22 11 16 00-1062	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	16.31	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1063	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	19.43	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1064	EA	1" Forged Brass Tube Adapter For PEX Tubing	24.45	
		For Work In Restricted Working Space, Add	*5.55*	

22 11 16 00-1065 Plugs *(22 11 16 00-1046)*

22 11 16 00-1066	EA	3/8" Forged Brass Plug For PEX Tubing	7.65	
		For Work In Restricted Working Space, Add	*1.94*	
22 11 16 00-1067	EA	1/2" Forged Brass Plug For PEX Tubing	8.57	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-1068	EA	3/4" Forged Brass Plug For PEX Tubing	9.83	
		For Work In Restricted Working Space, Add	*2.50*	
22 11 16 00-1069	EA	1" Forged Brass Plug For PEX Tubing	12.02	
		For Work In Restricted Working Space, Add	*2.78*	

22 11 16 00-1070 Tees *(22 11 16 00-1046)*

22 11 16 00-1071	EA	3/8" Forged Brass Tee For PEX Tubing	21.88	
		For Work In Restricted Working Space, Add	*5.83*	
22 11 16 00-1072	EA	1/2" Forged Brass Tee For PEX Tubing	24.65	
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-1073	EA	3/4" Forged Brass Tee For PEX Tubing	29.11	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-1074	EA	1" Forged Brass Tee For PEX Tubing	36.56	
		For Work In Restricted Working Space, Add	*8.33*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1075	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	23.73	
		For Work In Restricted Working Space, Add	*6.39*	
22 11 16 00-1076	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	27.25	
		For Work In Restricted Working Space, Add	*6.94*	
22 11 16 00-1077	EA	1" Forged Brass Reducing Tee For PEX Tubing	33.13	
		For Work In Restricted Working Space, Add	*7.50*	

22 11 16 00-1078 Couplings *(22 11 16 00-1046)*

22 11 16 00-1079	EA	3/8" Forged Brass Coupling For PEX Tubing	14.21	
		For Work In Restricted Working Space, Add	*3.89*	
22 11 16 00-1080	EA	1/2" Forged Brass Coupling For PEX Tubing	16.14	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1081	EA	3/4" Forged Brass Coupling For PEX Tubing	18.41	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1082	EA	1" Forged Brass Coupling For PEX Tubing	22.20	
		For Work In Restricted Working Space, Add	*5.55*	
22 11 16 00-1083	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	17.48	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1084	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	21.27	
		For Work In Restricted Working Space, Add	*5.27*	

22 11 16 00-1085 Fitting Reducers *(22 11 16 00-1046)*

22 11 16 00-1086	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	15.63	
		For Work In Restricted Working Space, Add	*4.16*	
22 11 16 00-1087	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	16.56	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1088	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	19.93	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1089	EA	1" Forged Brass Fitting Reducer For PEX Tubing	27.30	
		For Work In Restricted Working Space, Add	*5.55*	

22 11 16 00-1090 90 Degree Elbows *(22 11 16 00-1046)*

22 11 16 00-1091	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	14.96	
		For Work In Restricted Working Space, Add	*3.89*	
22 11 16 00-1092	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	16.81	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1093	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	19.93	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1094	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	19.00	
		For Work In Restricted Working Space, Add	*4.72*	
22 11 16 00-1095	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	22.02	
		For Work In Restricted Working Space, Add	*4.44*	
22 11 16 00-1096	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	24.62	
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1097	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	23.69	
		For Work In Restricted Working Space, Add	*4.72*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.19	1.85
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.66	1.85
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.24	1.85
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.26	1.85
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.39	2.77
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.88	2.77
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.74	3.69
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	15.68	3.69

22 11 19 00-0011 Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	19.18	3.69
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	22.31	3.69
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	31.22	4.54
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	42.90	6.14

22 11 19 00-0016 Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*

22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,130.59	225.48
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,575.86	225.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	213.37	56.40
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	221.14	56.40
22 11 19 00-0022		**Serrated Shank Nipple** *(22 11 19 00-0001)*		
		Note: For use as medium pressure coupling.		
22 11 19 00-0023	EA	3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	20.18	4.62
22 11 19 00-0024	EA	1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	20.06	4.62
22 11 19 00-0025	EA	5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	20.06	4.62
22 11 19 00-0026	EA	3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	25.51	6.46
22 11 19 00-0027	EA	1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	26.88	6.46
22 11 19 00-0028	EA	1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	50.55	12.01
22 11 19 00-0029	EA	1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	62.66	14.77
22 11 19 00-0030		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0031	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	9.46	2.77
22 11 19 00-0032	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	10.02	2.77
22 11 19 00-0033	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	10.62	2.77
22 11 19 00-0034	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	11.30	2.77
22 11 19 00-0035	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	12.09	2.77
22 11 19 00-0036	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	13.07	3.69
22 11 19 00-0037	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	14.13	3.69
22 11 19 00-0038		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0039		**Trap Primer** *(22 11 19 00-0038)*		
22 11 19 00-0040	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	169.10	13.88
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	104.55	9.25
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	101.58	9.25
22 11 19 00-0043		**Trap Primer Distribution Unit** *(22 11 19 00-0038)*		
22 11 19 00-0044	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	99.79	18.51
		Note: Can be used for two, three or four drains.		
22 11 19 00-0045	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	107.78	18.51
		Note: Can be used for two, three or four drains.		
22 11 19 00-0046		**Trap Primer Manifold** *(22 11 19 00-0038)*		
22 11 19 00-0047	EA	Two Outlet Manifold	137.41	24.90
22 11 19 00-0048	EA	Four Outlet Manifold	202.61	28.33
22 11 19 00-0049	EA	Six Outlet Manifold	265.39	29.99
22 11 19 00-0050	EA	Eight Outlet Manifold	332.38	35.18
22 11 19 00-0051		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0052		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0051)*		
		Note: Stainless steel float.		
22 11 19 00-0053	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	684.69	33.80
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0054	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	843.94	56.48
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,070.08	71.30
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0051)*		
		Note: Stainless steel float.		
22 11 19 00-0057	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	699.38	33.80
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0058	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,364.23	33.80
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	1,641.02	56.48
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	2,427.33	71.30
22 11 19 00-0061		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0051)*		
		Note: Stainless steel float.		
22 11 19 00-0062	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	1,485.45	33.80
22 11 19 00-0063	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,045.61	33.80
22 11 19 00-0064	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	2,397.70	56.48
22 11 19 00-0065	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	2,932.40	71.30

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0066		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)* Note: Watts 288A		
22 11 19 00-0067	EA	1/2" Brass, Anti Siphon Vacuum Breaker	71.58	23.14
22 11 19 00-0068	EA	3/4" Brass, Anti Siphon Vacuum Breaker	81.62	25.92
22 11 19 00-0069	EA	1" Brass, Anti Siphon Vacuum Breaker	150.54	29.63
22 11 19 00-0070	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	230.36	34.25
22 11 19 00-0071	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	274.51	37.95
22 11 19 00-0072	EA	2" Brass, Anti Siphon Vacuum Breaker	394.62	46.28
22 11 19 00-0073	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	990.18	57.85
22 11 19 00-0074		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)* Note: Watts 800M4QT		
22 11 19 00-0075	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	178.72	23.14
22 11 19 00-0076	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	160.09	25.92
22 11 19 00-0077	EA	1" Anti Siphon Pressure Type Vacuum Breaker	223.42	29.63
22 11 19 00-0078	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	390.69	34.25
22 11 19 00-0079	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	474.59	37.95
22 11 19 00-0080	EA	2" Anti Siphon Pressure Type Vacuum Breaker	484.24	46.28
22 11 19 00-0081		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0082	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	156.68	11.08
22 11 19 00-0083	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	300.60	13.40
22 11 19 00-0084	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	436.32	13.40
22 11 19 00-0085	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,053.54	13.40
22 11 19 00-0086	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,185.75	13.40
22 11 19 00-0087	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,450.94	13.40
22 11 19 00-0088		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0089		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0088)*		
22 11 19 00-0090	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	94.26	6.17
22 11 19 00-0091	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	178.07	7.12
22 11 19 00-0092	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	262.84	7.72
22 11 19 00-0093	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	640.93	9.95
22 11 19 00-0094	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	780.77	12.34
22 11 19 00-0095	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	888.05	13.40
22 11 19 00-0096		**Wall Hydrants** *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0097		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0096)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0098	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	518.87	23.14
		For Cast Bronze Box, Add	*25.60*	
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0099	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	549.39	27.77
		For Cast Bronze Box, Add	*25.60*	
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0100	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	568.35	33.42
		For Cast Bronze Box, Add	*25.60*	
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0101		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0096)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0102	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	539.28	38.88
		For Cast Bronze Box, Add	*25.60*	
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0103		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0096)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0104	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	298.31	28.70
		For 1" NPT Outlet, Add	*60.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0105	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	363.13	28.70
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0106	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	363.13	28.70
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0107	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	363.13	28.70
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0108	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	378.22	57.85
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0109	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	378.22	57.85
		For 1" NPT Outlet, Add	*60.34*	
22 11 19 00-0110	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	423.35	57.85
		For 1" NPT Outlet, Add	*60.34*	

22 11 19 00-0111 Stainless Steel Box Type Wall Hydrants *(22 11 19 00-0096)*

Note: With 3/4" NPT female and 3/4" NPT male inlet connection.

22 11 19 00-0112	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	267.32	23.14
22 11 19 00-0113	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	289.94	23.14
22 11 19 00-0114	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	293.02	23.14
22 11 19 00-0115	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	326.95	23.14
22 11 19 00-0116	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	456.49	32.40
22 11 19 00-0117	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	469.85	32.40
22 11 19 00-0118	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	469.85	32.40
22 11 19 00-0119	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	501.72	32.40

22 11 19 00-0120 Washer Boxes And Dryer Outlets *(22 11 19)*

22 11 19 00-0121 Dryer Vent Kit *(22 11 19 00-0120)*

Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.

22 11 19 00-0122	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	65.08	12.03

22 11 19 00-0123 Washer Boxes And Dryer Vents *(22 11 19 00-0120)*

Note: Includes 1/2" supply valves and mounting brackets.

22 11 19 00-0124	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	225.46	18.51

22 11 19 00-0125 Ice Maker Outlet Box *(22 11 19)*

Note: Includes one 1/2" quarter turn ball valve and connections wall mount.

22 11 19 00-0126	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	115.75	18.51
22 11 19 00-0127	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	142.93	18.51
22 11 19 00-0128	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	157.90	18.51

22 11 19 00-0129 Tempering Controllers For Potable Hot Water *(22 11 19)*

22 11 19 00-0130 Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0129)*

Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.

22 11 19 00-0131	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	328.71	22.41
22 11 19 00-0132	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	148.67	22.41
22 11 19 00-0133	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	190.69	22.41
22 11 19 00-0134	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	220.55	30.19

22 11 19 00-0135 Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0129)*

Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.

22 11 19 00-0136	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	882.23	32.31
22 11 19 00-0137	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	991.54	39.80
22 11 19 00-0138	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,191.46	46.30
22 11 19 00-0139	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,540.33	48.67
22 11 19 00-0140	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,067.18	63.14

22 11 19 00-0141 High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0129)*

Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.

22 11 19 00-0142	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,237.16	49.77
22 11 19 00-0143	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,909.26	57.87
22 11 19 00-0144	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,390.48	60.83
22 11 19 00-0145	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,760.37	78.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0146		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0129)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0147	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	643.33	32.31
22 11 19 00-0148	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	758.07	39.80
22 11 19 00-0149	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	930.70	46.30
22 11 19 00-0150	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,134.97	48.68
22 11 19 00-0151	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	1,682.74	63.14
22 11 19 00-0152		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0129)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0153	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,464.29	46.28
22 11 19 00-0154	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,566.59	58.32
22 11 19 00-0155	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,736.46	70.35
22 11 19 00-0156	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,920.82	82.39
22 11 19 00-0157	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,264.37	108.30
22 11 19 00-0158	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,643.50	123.46
22 11 19 00-0159		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0160		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0159)*		
22 11 19 00-0161		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0160)*		
22 11 19 00-0162		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0161)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0163	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	176.86	24.81
		For Work In Restricted Working Space, Add	*18.61*	
		For Owner Furnished Material, Deduct	*-114.84*	
22 11 19 00-0164	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	217.58	35.18
		For Work In Restricted Working Space, Add	*26.38*	
		For Owner Furnished Material, Deduct	*-129.64*	
22 11 19 00-0165	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	254.47	42.95
		For Work In Restricted Working Space, Add	*32.21*	
		For Owner Furnished Material, Deduct	*-147.09*	
22 11 19 00-0166	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	341.06	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-216.09*	
22 11 19 00-0167	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	415.03	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-272.48*	
22 11 19 00-0168	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	490.62	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-305.48*	
22 11 19 00-0169		**Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0161)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0170	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	209.72	24.81
		For Work In Restricted Working Space, Add	*18.61*	
		For Owner Furnished Material, Deduct	*-147.70*	
22 11 19 00-0171	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	265.70	35.18
		For Work In Restricted Working Space, Add	*26.38*	
		For Owner Furnished Material, Deduct	*-177.76*	
22 11 19 00-0172	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	313.47	42.95
		For Work In Restricted Working Space, Add	*32.21*	
		For Owner Furnished Material, Deduct	*-206.09*	
22 11 19 00-0173	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	425.13	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-300.16*	
22 11 19 00-0174	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	514.04	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-371.49*	
22 11 19 00-0175	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	627.33	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-442.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0176 Flanged Double Check Valve Assemblies *(22 11 19 00-0160)*

22 11 19 00-0177 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

22 11 19 00-0178	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	3,147.06	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,874.40*	
22 11 19 00-0179	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	3,458.86	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,156.38*	

22 11 19 00-0180 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0181	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	3,439.22	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-3,166.56*	
22 11 19 00-0182	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	3,945.80	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,643.32*	

22 11 19 00-0183 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0184	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	3,168.11	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-2,895.47*	
22 11 19 00-0185	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	2,448.91	230.06
		For Work In Restricted Working Space, Add	*90.75*	
		For Owner Furnished Material, Deduct	*-2,146.42*	
22 11 19 00-0186	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	3,827.15	340.82
		For Work In Restricted Working Space, Add	*136.26*	
		For Owner Furnished Material, Deduct	*-3,372.96*	
22 11 19 00-0187	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,884.69	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-4,984.57*	
22 11 19 00-0188	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	13,203.94	747.41
		For Work In Restricted Working Space, Add	*405.12*	
		For Owner Furnished Material, Deduct	*-11,853.55*	
22 11 19 00-0189	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	16,915.96	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-15,308.61*	

22 11 19 00-0190 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0191	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series)	4,444.14	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,989.99*	
22 11 19 00-0192	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series)	7,435.28	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-6,535.16*	
22 11 19 00-0193	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series)	19,561.26	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-17,953.91*	

22 11 19 00-0194 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0195	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	3,359.25	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-3,086.61*	
22 11 19 00-0196	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	3,692.16	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,389.68*	
22 11 19 00-0197	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	4,050.96	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,596.81*	
22 11 19 00-0198	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	6,836.42	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-5,936.30*	
22 11 19 00-0199	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	13,994.12	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-12,643.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0200	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	17,935.79	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-16,328.44*	

22 11 19 00-0201 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0202	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,038.78	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-1,766.14*	
22 11 19 00-0203	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,245.33	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-1,942.85*	
22 11 19 00-0204	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,573.72	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-2,119.57*	
22 11 19 00-0205	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	4,214.36	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-3,314.24*	
22 11 19 00-0206	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	7,902.71	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-6,552.53*	
22 11 19 00-0207	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	8,619.02	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-7,011.67*	

22 11 19 00-0208 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0209	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,665.44	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-2,392.80*	
22 11 19 00-0210	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,871.99	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,569.51*	
22 11 19 00-0211	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series)	3,620.89	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,166.74*	
22 11 19 00-0212	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	5,967.38	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-5,067.26*	
22 11 19 00-0213	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	10,500.86	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-9,150.68*	
22 11 19 00-0214	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	12,496.11	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-10,888.76*	

22 11 19 00-0215 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0176)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0216	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,914.13	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-1,641.49*	
22 11 19 00-0217	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,126.36	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-1,823.88*	
22 11 19 00-0218	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,460.34	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-2,006.19*	
22 11 19 00-0219	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	4,125.29	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-3,225.17*	
22 11 19 00-0220	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,816.88	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-6,466.70*	
22 11 19 00-0221	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,858.67	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-7,251.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0222		**N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0176)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0223	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,488.25	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-2,215.61*	
22 11 19 00-0224	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,694.81	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,392.33*	
22 11 19 00-0225	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,443.92	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-2,989.77*	
22 11 19 00-0226	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,778.89	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-4,878.77*	
22 11 19 00-0227	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	10,215.56	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-8,865.38*	
22 11 19 00-0228	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,209.98	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-10,602.63*	
22 11 19 00-0229		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0176)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0230	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,208.91	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-1,936.27*	
22 11 19 00-0231	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,415.47	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,112.99*	
22 11 19 00-0232	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,743.85	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-2,289.70*	
22 11 19 00-0233	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,388.79	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-3,488.67*	
22 11 19 00-0234	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,077.14	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-6,726.96*	
22 11 19 00-0235		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0176)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0236	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	2,835.58	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-2,562.94*	
22 11 19 00-0237	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,042.13	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,739.65*	
22 11 19 00-0238	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,791.03	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,336.88*	
22 11 19 00-0239	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,141.84	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-5,241.72*	
22 11 19 00-0240	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,077.14	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-6,726.96*	
22 11 19 00-0241		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0160)*		
22 11 19 00-0242		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0241)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0243	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,914.13	109.06
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-1,641.49*	
22 11 19 00-0244	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,126.36	120.99
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-1,823.88*	
22 11 19 00-0245		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0241)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0246	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,488.25	109.06
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-2,215.61*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0247		EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,694.81	120.99
			For Work In Restricted Working Space, Add	*90.74*	
			For Owner Furnished Material, Deduct	*-2,392.33*	

22 11 19 00-0248 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0159)*

22 11 19 00-0249 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0248)*

22 11 19 00-0250 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0251		EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	187.25	21.48
			For Work In Restricted Working Space, Add	*16.11*	
			For Owner Furnished Material, Deduct	*-133.56*	
22 11 19 00-0252		EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	199.29	23.70
			For Work In Restricted Working Space, Add	*17.77*	
			For Owner Furnished Material, Deduct	*-140.05*	
22 11 19 00-0253		EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	227.92	24.81
			For Work In Restricted Working Space, Add	*18.61*	
			For Owner Furnished Material, Deduct	*-165.90*	
22 11 19 00-0254		EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	308.89	35.18
			For Work In Restricted Working Space, Add	*26.38*	
			For Owner Furnished Material, Deduct	*-220.95*	
22 11 19 00-0255		EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	368.31	42.95
			For Work In Restricted Working Space, Add	*32.21*	
			For Owner Furnished Material, Deduct	*-260.93*	
22 11 19 00-0256		EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	534.30	49.99
			For Work In Restricted Working Space, Add	*37.49*	
			For Owner Furnished Material, Deduct	*-409.33*	
22 11 19 00-0257		EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	571.13	57.39
			For Work In Restricted Working Space, Add	*42.77*	
			For Owner Furnished Material, Deduct	*-428.58*	
22 11 19 00-0258		EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	693.72	74.06
			For Work In Restricted Working Space, Add	*55.54*	
			For Owner Furnished Material, Deduct	*-508.58*	

22 11 19 00-0259 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0260		EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	203.42	21.48
			For Work In Restricted Working Space, Add	*16.11*	
			For Owner Furnished Material, Deduct	*-149.73*	
22 11 19 00-0261		EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	216.33	23.70
			For Work In Restricted Working Space, Add	*17.77*	
			For Owner Furnished Material, Deduct	*-157.09*	
22 11 19 00-0262		EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	251.27	35.18
			For Work In Restricted Working Space, Add	*18.61*	
			For Owner Furnished Material, Deduct	*-189.25*	
22 11 19 00-0263		EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	345.59	35.18
			For Work In Restricted Working Space, Add	*26.38*	
			For Owner Furnished Material, Deduct	*-257.65*	
22 11 19 00-0264		EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	414.20	42.95
			For Work In Restricted Working Space, Add	*32.21*	
			For Owner Furnished Material, Deduct	*-306.82*	
22 11 19 00-0265		EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	596.88	49.99
			For Work In Restricted Working Space, Add	*37.49*	
			For Owner Furnished Material, Deduct	*-471.91*	
22 11 19 00-0266		EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	659.44	57.39
			For Work In Restricted Working Space, Add	*42.77*	
			For Owner Furnished Material, Deduct	*-516.89*	
22 11 19 00-0267		EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	802.07	74.06
			For Work In Restricted Working Space, Add	*55.54*	
			For Owner Furnished Material, Deduct	*-616.93*	

22 11 19 00-0268 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0269		EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	308.89	35.18
			For Work In Restricted Working Space, Add	*26.38*	
			For Owner Furnished Material, Deduct	*-220.95*	
22 11 19 00-0270		EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	368.31	42.95
			For Work In Restricted Working Space, Add	*32.21*	
			For Owner Furnished Material, Deduct	*-260.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0271	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	534.30	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-409.33*	
22 11 19 00-0272	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	571.13	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-428.58*	
22 11 19 00-0273	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	693.72	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-508.58*	

22 11 19 00-0274 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0275	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	345.59	35.18
		For Work In Restricted Working Space, Add	*26.38*	
		For Owner Furnished Material, Deduct	*-257.65*	
22 11 19 00-0276	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	414.20	42.95
		For Work In Restricted Working Space, Add	*32.21*	
		For Owner Furnished Material, Deduct	*-306.82*	
22 11 19 00-0277	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	596.88	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-471.91*	
22 11 19 00-0278	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	659.44	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-516.89*	
22 11 19 00-0279	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	802.07	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-616.93*	

22 11 19 00-0280 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0281	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	581.46	35.18
		For Work In Restricted Working Space, Add	*26.38*	
		For Owner Furnished Material, Deduct	*-493.52*	
22 11 19 00-0282	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	690.22	42.95
		For Work In Restricted Working Space, Add	*32.21*	
		For Owner Furnished Material, Deduct	*-582.84*	
22 11 19 00-0283	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	1,038.07	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-913.10*	
22 11 19 00-0284	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	1,126.69	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-984.14*	
22 11 19 00-0285	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,318.83	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-1,133.69*	

22 11 19 00-0286 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0249)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0287	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	764.92	35.18
		For Work In Restricted Working Space, Add	*26.38*	
		For Owner Furnished Material, Deduct	*-676.98*	
22 11 19 00-0288	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	910.98	42.95
		For Work In Restricted Working Space, Add	*32.21*	
		For Owner Furnished Material, Deduct	*-803.60*	
22 11 19 00-0289	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	1,365.76	49.99
		For Work In Restricted Working Space, Add	*37.49*	
		For Owner Furnished Material, Deduct	*-1,240.79*	
22 11 19 00-0290	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	1,495.51	57.39
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-1,352.96*	
22 11 19 00-0291	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	1,785.86	74.06
		For Work In Restricted Working Space, Add	*55.54*	
		For Owner Furnished Material, Deduct	*-1,600.72*	

22 11 19 00-0292 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0248)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0293		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0294	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	2,902.13	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,629.47*	
22 11 19 00-0295	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	3,268.45	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,965.97*	
22 11 19 00-0296		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0297	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	3,441.40	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-3,168.74*	
22 11 19 00-0298	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	3,894.93	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,592.45*	
22 11 19 00-0299		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0300	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	3,108.54	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,835.88*	
22 11 19 00-0301	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	3,611.49	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,309.01*	
22 11 19 00-0302		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0303	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	3,441.40	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-3,168.74*	
22 11 19 00-0304	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	3,894.93	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,592.45*	
22 11 19 00-0305		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0306	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	3,809.87	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-3,537.21*	
22 11 19 00-0307	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	4,404.40	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-4,101.92*	
22 11 19 00-0308		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0292)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0309	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	4,916.01	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-4,643.37*	
22 11 19 00-0310	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	5,582.51	230.06
		For Work In Restricted Working Space, Add	*90.75*	
		For Owner Furnished Material, Deduct	*-5,280.02*	
22 11 19 00-0311	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	7,054.76	340.82
		For Work In Restricted Working Space, Add	*136.26*	
		For Owner Furnished Material, Deduct	*-6,600.57*	
22 11 19 00-0312	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,850.65	498.28
		For Work In Restricted Working Space, Add	*378.07*	
		For Owner Furnished Material, Deduct	*-9,590.41*	
22 11 19 00-0313	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	17,929.01	747.41
		For Work In Restricted Working Space, Add	*567.11*	
		For Owner Furnished Material, Deduct	*-16,038.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0314	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	22,850.18	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-21,242.83*	

22 11 19 00-0315 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0292)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0316	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	5,290.29	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-5,017.65*	
22 11 19 00-0317	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	5,976.41	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-5,673.93*	
22 11 19 00-0318	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	7,658.67	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-7,204.52*	
22 11 19 00-0319	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,627.32	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-10,727.20*	
22 11 19 00-0320	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	18,792.31	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-17,442.13*	
22 11 19 00-0321	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,426.95	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-23,819.60*	

22 11 19 00-0322 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0292)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0323	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	5,224.16	204.50
		For Work In Restricted Working Space, Add	*81.79*	
		For Owner Furnished Material, Deduct	*-4,951.52*	
22 11 19 00-0324	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	5,935.72	230.06
		For Work In Restricted Working Space, Add	*90.75*	
		For Owner Furnished Material, Deduct	*-5,633.23*	
22 11 19 00-0325	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	7,493.73	340.82
		For Work In Restricted Working Space, Add	*136.26*	
		For Owner Furnished Material, Deduct	*-7,039.54*	
22 11 19 00-0326	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,130.44	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-10,230.32*	
22 11 19 00-0327	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	18,458.57	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-17,108.39*	
22 11 19 00-0328	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	24,265.58	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-22,658.23*	

22 11 19 00-0329 Double Check Detector Assemblies *(22 11 19 00-0159)*

22 11 19 00-0330 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0329)*

22 11 19 00-0331 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0330)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0332	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,953.11	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,650.63*	
22 11 19 00-0333	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	4,189.48	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,735.33*	
22 11 19 00-0334	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,750.58	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-4,850.46*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0335	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	10,117.67	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-8,767.49*	
22 11 19 00-0336	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	13,589.54	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-11,982.19*	

22 11 19 00-0337 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0330)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0338	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,977.17	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,704.51*	
22 11 19 00-0339	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,183.53	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-2,881.05*	
22 11 19 00-0340	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,516.09	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,061.94*	
22 11 19 00-0341	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,876.02	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-3,975.90*	
22 11 19 00-0342	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	8,536.97	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-7,186.79*	
22 11 19 00-0343	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,072.43	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-8,465.08*	

22 11 19 00-0344 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0330)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0345	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,147.35	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,874.69*	
22 11 19 00-0346	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,353.70	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,051.22*	
22 11 19 00-0347	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,686.23	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,232.08*	
22 11 19 00-0348	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	5,050.44	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-4,150.32*	
22 11 19 00-0349	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	8,327.69	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-6,977.51*	

22 11 19 00-0350 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0329)*

22 11 19 00-0351 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0350)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0352	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,923.44	204.50
		For Work In Restricted Working Space, Add	*81.80*	
22 11 19 00-0353	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,129.82	230.06
		For Work In Restricted Working Space, Add	*90.74*	
22 11 19 00-0354	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,462.38	340.82
		For Work In Restricted Working Space, Add	*136.25*	
22 11 19 00-0355	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,822.31	498.28
		For Work In Restricted Working Space, Add	*270.04*	
22 11 19 00-0356	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	8,483.29	747.41
		For Work In Restricted Working Space, Add	*405.05*	
22 11 19 00-0357	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,018.68	884.04
		For Work In Restricted Working Space, Add	*482.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0358		Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0350)*		
		Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0359	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,093.60	204.50
		For Work In Restricted Working Space, Add	*81.80*	
22 11 19 00-0360	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,299.95	230.06
		For Work In Restricted Working Space, Add	*90.74*	
22 11 19 00-0361	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,632.52	340.82
		For Work In Restricted Working Space, Add	*136.25*	
22 11 19 00-0362	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,996.70	498.28
		For Work In Restricted Working Space, Add	*270.04*	
22 11 19 00-0363	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,657.72	747.41
		For Work In Restricted Working Space, Add	*405.05*	
22 11 19 00-0364		Flanged Double Check Detector Assemblies *(22 11 19 00-0329)*		
22 11 19 00-0365		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0364)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0366	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	2,826.22	204.50
		For Work In Restricted Working Space, Add	*81.80*	
		For Owner Furnished Material, Deduct	*-2,553.56*	
22 11 19 00-0367	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	3,411.01	230.06
		For Work In Restricted Working Space, Add	*90.74*	
		For Owner Furnished Material, Deduct	*-3,108.53*	
22 11 19 00-0368	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	3,826.60	340.82
		For Work In Restricted Working Space, Add	*136.25*	
		For Owner Furnished Material, Deduct	*-3,372.45*	
22 11 19 00-0369	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	4,936.48	498.28
		For Work In Restricted Working Space, Add	*270.04*	
		For Owner Furnished Material, Deduct	*-4,036.36*	
22 11 19 00-0370	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	8,646.31	747.41
		For Work In Restricted Working Space, Add	*405.05*	
		For Owner Furnished Material, Deduct	*-7,296.13*	
22 11 19 00-0371	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	11,578.63	884.04
		For Work In Restricted Working Space, Add	*482.21*	
		For Owner Furnished Material, Deduct	*-9,971.28*	
22 11 19 00-0372	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	15,374.40	1,060.85
		For Work In Restricted Working Space, Add	*578.64*	
		For Owner Furnished Material, Deduct	*-13,445.59*	
22 11 19 00-0373		Backflow Preventer Accessories *(22 11 19 00-0159)*		
22 11 19 00-0374		Air Gap *(22 11 19 00-0373)*		
22 11 19 00-0375	EA	Up To 1" Diameter Air Gap For Backflow Preventer	53.70	11.57
22 11 19 00-0376	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	65.66	13.88
22 11 19 00-0377	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	114.15	18.51
22 11 19 00-0378	EA	4" To 6" Diameter Air Gap For Backflow Preventer	220.67	32.40
22 11 19 00-0379	EA	8" To 10" Diameter Air Gap For Backflow Preventer	248.45	46.28
22 11 19 00-0380		Brass Test Cocks *(22 11 19 00-0373)*		
22 11 19 00-0381	EA	1/8" Or 1/4" Brass Test Cock	21.75	4.63
22 11 19 00-0382		Backflow Valve Enclosures *(22 11 19 00-0159)*		
22 11 19 00-0383		Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0382)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0384	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	773.82	83.31
		For Heated Enclosure, Add	*95.25*	
22 11 19 00-0385	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	951.49	83.31
		For Heated Enclosure, Add	*121.90*	
22 11 19 00-0386	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,206.19	76.69
		For Heated Enclosure, Add	*161.76*	
22 11 19 00-0387	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,253.42	102.25
		For Heated Enclosure, Add	*162.45*	
22 11 19 00-0388	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,313.67	102.25
		For Heated Enclosure, Add	*171.49*	
22 11 19 00-0389	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,548.51	102.25
		For Heated Enclosure, Add	*206.72*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0390		EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,554.69	102.25
			For Heated Enclosure, Add	*207.64*	
22 11 19 00-0391		EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,954.83	102.25
			For Heated Enclosure, Add	*267.66*	
22 11 19 00-0392		EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,502.69	153.37
			For Heated Enclosure, Add	*637.06*	
22 11 19 00-0393		EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,521.94	153.37
			For Heated Enclosure, Add	*939.95*	
22 11 19 00-0394		EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,197.50	153.37
			For Heated Enclosure, Add	*891.28*	
22 11 19 00-0395		EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,462.15	178.93
			For Heated Enclosure, Add	*1,074.59*	

22 11 19 00-0396 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0382)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0397		EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	423.27	22.21
			For Heated Enclosure, Add	*77.25*	
22 11 19 00-0398		EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	587.03	22.21
			For Heated Enclosure, Add	*110.00*	
22 11 19 00-0399		EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	735.50	20.45
			For Heated Enclosure, Add	*140.28*	
22 11 19 00-0400		EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,109.38	20.45
			For Heated Enclosure, Add	*215.06*	
22 11 19 00-0401		EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,869.54	38.34
			For Heated Enclosure, Add	*561.13*	
22 11 19 00-0402		EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,915.47	38.34
			For Heated Enclosure, Add	*770.31*	
22 11 19 00-0403		EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,609.99	38.34
			For Heated Enclosure, Add	*509.22*	
22 11 19 00-0404		EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,952.97	38.34
			For Heated Enclosure, Add	*577.81*	
22 11 19 00-0405		EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,616.88	38.34
			For Heated Enclosure, Add	*910.59*	

22 11 19 00-0406 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0382)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0407		EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,858.07	166.62
			For Heated Enclosure, Add	*837.05*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0408		EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,455.97	166.62
			For Heated Enclosure, Add	*926.74*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0409		EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,575.30	153.37
			For Heated Enclosure, Add	*647.95*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0410		EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	5,017.16	153.37
			For Heated Enclosure, Add	*714.23*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0411		EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,839.30	204.50
			For Heated Enclosure, Add	*824.77*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0412		EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,546.88	204.50
			For Heated Enclosure, Add	*930.91*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0413		EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,546.88	204.50
			For Heated Enclosure, Add	*930.91*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0414		EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	7,232.84	204.50
			For Heated Enclosure, Add	*1,033.80*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0415		EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,432.09	178.93
			For Heated Enclosure, Add	*770.08*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0416		EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	6,359.95	204.50
			For Heated Enclosure, Add	*902.87*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0417		EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	7,430.60	204.50
			For Heated Enclosure, Add	*1,063.47*	
			For One 24" Fluorescent Light Fixture, Add	*453.30*	
			For Two 24" Fluorescent Light Fixture, Add	*811.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0418	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	8,156.40	217.28
		For Heated Enclosure, Add	*1,169.14*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0419	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	8,365.35	236.05
		For Heated Enclosure, Add	*1,195.79*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0420	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	9,272.20	249.93
		For Heated Enclosure, Add	*1,328.35*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0421	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	9,592.87	230.06
		For Heated Enclosure, Add	*1,381.42*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0422	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	6,967.11	204.50
		For Heated Enclosure, Add	*993.94*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0423	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,425.96	204.50
		For Heated Enclosure, Add	*1,062.77*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0424	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	8,402.05	217.28
		For Heated Enclosure, Add	*1,205.99*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0425	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	10,181.49	230.06
		For Heated Enclosure, Add	*1,469.71*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0426	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	8,885.28	102.25
		For Heated Enclosure, Add	*1,275.28*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0427	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	10,675.56	102.25
		For Heated Enclosure, Add	*1,540.62*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0428	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	10,321.76	153.37
		For Heated Enclosure, Add	*1,487.55*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0429	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	11,975.75	153.37
		For Heated Enclosure, Add	*1,729.26*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0430	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	11,050.65	153.37
		For Heated Enclosure, Add	*1,593.69*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0431	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	12,914.75	178.93
		For Heated Enclosure, Add	*1,866.92*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0432	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	12,957.35	153.37
		For Heated Enclosure, Add	*1,866.92*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0433	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	15,371.45	153.37
		For Heated Enclosure, Add	*2,222.64*	
		For One 24" Fluorescent Light Fixture, Add	*453.30*	
		For Two 24" Fluorescent Light Fixture, Add	*811.18*	
22 11 19 00-0434		Faucets (Hose Bibbs) *(22 11 19)*		
22 11 19 00-0435		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0434)*		
22 11 19 00-0436	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	45.59	9.25
22 11 19 00-0437	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	53.34	10.18
22 11 19 00-0438	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	16.35	6.94
22 11 19 00-0439		Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0434)*		
22 11 19 00-0440	EA	3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	114.75	28.33
22 11 19 00-0441		Antisiphon Freezeless Wall Faucet *(22 11 19 00-0434)*		
22 11 19 00-0442	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	113.11	23.14
22 11 19 00-0443	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	122.50	25.64
22 11 19 00-0444	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	129.56	27.12
22 11 19 00-0445	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	136.61	29.06
22 11 19 00-0446	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	143.77	30.82

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0447		Escutcheons *(22 11 19)*		
22 11 19 00-0448		Brass Escutcheons *(22 11 19 00-0447)*		
22 11 19 00-0449		Shallow Brass Escutcheons *(22 11 19 00-0448)*		
22 11 19 00-0450	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	10.53	2.31
22 11 19 00-0451	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	11.36	2.31
22 11 19 00-0452		Deep Bell Brass Escutcheons *(22 11 19 00-0448)*		
22 11 19 00-0453	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.43	2.60
22 11 19 00-0454	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.45	2.60
22 11 19 00-0455		Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0448)*		
22 11 19 00-0456	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.66	2.31
22 11 19 00-0457	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.80	2.31
22 11 19 00-0458	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.01	2.31
22 11 19 00-0459	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.77	2.31
22 11 19 00-0460	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.06	2.78
22 11 19 00-0461	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.80	2.78
22 11 19 00-0462	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	17.48	3.06
22 11 19 00-0463	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	18.32	3.24
22 11 19 00-0464	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.84	3.70
22 11 19 00-0465		Plastic Escutcheons *(22 11 19 00-0447)*		
22 11 19 00-0466		Split-Ring White Plastic Escutcheons *(22 11 19 00-0465)*		
22 11 19 00-0467	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	4.91	2.31
22 11 19 00-0468	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	4.91	2.31
22 11 19 00-0469	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	5.50	2.59
22 11 19 00-0470	EA	1" IPS, Split-Ring White Plastic Escutcheon	5.99	2.77
22 11 19 00-0471	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	6.47	3.04
22 11 19 00-0472	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	6.95	3.23
22 11 19 00-0473	EA	2" IPS, Split-Ring White Plastic Escutcheon	7.91	3.69
22 11 19 00-0474	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	8.98	3.97
22 11 19 00-0475	EA	3" IPS, Split-Ring White Plastic Escutcheon	10.04	4.16
22 11 19 00-0476	EA	4" IPS, Split-Ring White Plastic Escutcheon	11.56	4.62
22 11 19 00-0477		Chrome Plate Plastic Escutcheons *(22 11 19 00-0465)*		
22 11 19 00-0478	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	5.40	2.31
22 11 19 00-0479	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	5.92	2.59
22 11 19 00-0480	EA	1" IPS, Chrome Plate Plastic Escutcheon	6.53	2.77
22 11 19 00-0481	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	7.14	3.04
22 11 19 00-0482	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	7.62	3.23
22 11 19 00-0483	EA	2" IPS, Chrome Plate Plastic Escutcheon	9.06	3.69
22 11 19 00-0484	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	11.04	3.97
22 11 19 00-0485	EA	3" IPS, Chrome Plate Plastic Escutcheon	11.56	4.16
22 11 19 00-0486	EA	4" IPS, Chrome Plate Plastic Escutcheon	12.61	4.62
22 11 19 00-0487		Stainless Steel Escutcheons *(22 11 19 00-0447)*		
22 11 19 00-0488		Shallow Stainless Steel Escutcheons *(22 11 19 00-0487)*		
22 11 19 00-0489	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	11.81	2.31
22 11 19 00-0490	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	11.81	2.31
22 11 19 00-0491	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	16.18	2.60
22 11 19 00-0492		Chrome Plated Steel Escutcheons *(22 11 19 00-0447)*		
22 11 19 00-0493		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0492)*		
22 11 19 00-0494	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.05	2.31
22 11 19 00-0495	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.51	2.59
22 11 19 00-0496	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.06	2.77
22 11 19 00-0497	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.52	3.04
22 11 19 00-0498	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.98	3.23
22 11 19 00-0499	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.03	3.69
22 11 19 00-0500	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.39	3.97
22 11 19 00-0501	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.08	4.16
22 11 19 00-0502	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.56	4.43
22 11 19 00-0503	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.21	4.62
22 11 19 00-0504	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.66	5.08
22 11 19 00-0505	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.27	5.54
22 11 19 00-0506		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0492)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0507	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.48	2.31
22 11 19 00-0508	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.48	2.31
22 11 19 00-0509	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.03	2.59
22 11 19 00-0510	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.46	2.77
22 11 19 00-0511	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	9.58	3.04
22 11 19 00-0512	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.16	3.23
22 11 19 00-0513	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.99	3.69
22 11 19 00-0514	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.66	3.97
22 11 19 00-0515	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.40	4.16
22 11 19 00-0516	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	19.84	4.43
22 11 19 00-0517	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.21	4.62
22 11 19 00-0518	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.27	5.08
22 11 19 00-0519	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	33.79	5.54
22 11 19 00-0520		Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0492)*		
22 11 19 00-0521	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.09	2.60
22 11 19 00-0522	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.02	2.60
22 11 19 00-0523	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.87	2.60
22 11 19 00-0524	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.45	2.78
22 11 19 00-0525	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.01	3.06
22 11 19 00-0526	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.68	3.24
22 11 19 00-0527		Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0492)*		
22 11 19 00-0528	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	5.59	2.31
22 11 19 00-0529	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	5.59	2.31
22 11 19 00-0530	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	5.66	2.31
22 11 19 00-0531	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	6.03	2.78
22 11 19 00-0532	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	6.53	3.06
22 11 19 00-0533	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.19	3.24
22 11 19 00-0534	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	8.17	3.70
22 11 19 00-0535		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0536	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	217.33	27.69
22 11 19 00-0537	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	240.47	27.69
22 11 19 00-0538	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	275.17	27.69
22 11 19 00-0539	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	270.49	36.93
22 11 19 00-0540	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	305.20	36.93
22 11 19 00-0541	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	315.61	36.93
22 11 19 00-0542	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	254.35	27.69
22 11 19 00-0543	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	305.25	27.69
22 11 19 00-0544	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	350.36	27.69
22 11 19 00-0545	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	335.28	36.93
22 11 19 00-0546	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	380.39	36.93
22 11 19 00-0547	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	397.74	36.93

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,329.47	272.66
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,619.48	366.38
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,937.33	460.11
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,241.26	553.83
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,851.50	647.57
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	6,531.35	741.29
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	7,044.13	835.02
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	12,184.89	1,103.47
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	14,452.01	1,172.44
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	16,728.03	1,241.40
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	15,638.95	1,172.44
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	19,158.81	1,241.40
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	23,578.90	1,379.33
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	29,542.18	1,517.27
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,505.47	1,655.20
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	41,268.38	1,862.10
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	47,031.30	2,069.00
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	52,794.22	2,275.90
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	58,729.54	2,551.76

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0023		**Variable Speed Duplex Domestic Water Pressure Booster Skid** *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	23,601.53	1,138.95
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	24,666.94	1,138.95
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	26,189.29	1,138.95
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	28,383.74	1,138.95
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	26,833.45	1,210.14
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	28,749.11	1,210.14
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	31,350.75	1,210.14
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	33,465.39	1,210.14
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	29,307.66	1,281.32
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	31,199.03	1,281.32
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	35,428.29	1,281.32
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	42,526.41	1,281.32
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	30,932.96	1,281.32
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	34,790.89	1,281.32
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	43,282.96	1,281.32
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	43,037.72	1,281.32
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	51,299.21	1,423.69
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	35,393.21	1,423.69
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	43,126.42	1,423.69
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	42,882.33	1,423.69
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	51,678.64	1,423.69
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	62,438.04	1,423.69
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	29,746.45	1,138.95
22 11 23 13-0047		**Variable Speed Triplex Domestic Water Pressure Booster Skid** *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	29,746.45	1,138.95
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	33,237.67	1,138.95
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	36,249.98	1,138.95
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	33,415.64	1,210.14
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	36,407.13	1,210.14
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	34,114.35	1,210.14
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	36,685.92	1,210.14
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	40,222.25	1,210.14
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	43,153.59	1,210.14
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	34,461.20	1,281.32
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	37,032.77	1,281.32
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	40,567.95	1,281.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	43,499.28	1,281.32
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	37,353.20	1,281.32
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	39,822.97	1,281.32
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	45,925.09	1,281.32
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	55,882.83	1,281.32
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	38,213.49	1,423.69
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	40,684.41	1,423.69
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	46,786.53	1,423.69
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	56,743.11	1,423.69
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	40,284.16	1,423.69
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	45,829.86	1,423.69
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	57,876.77	1,423.69
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	59,043.99	1,423.69
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	73,028.54	1,423.69
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	45,686.82	1,708.43
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	54,826.70	1,708.43
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	58,292.47	1,708.43
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	70,180.91	1,708.43
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	86,816.85	1,708.43

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	693.85	153.37
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	710.01	153.37
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	740.87	156.35
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	811.27	162.74
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,387.38	168.79
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,473.84	168.79
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	2,166.70	185.84
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,265.06	204.16
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,730.08	224.62
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,799.90	247.21
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	3,062.60	271.51
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	4,339.86	298.79
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,982.65	313.27

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	719.23	153.37
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	1,147.01	153.37
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,153.17	156.35
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,173.50	159.76
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	1,179.45	162.74
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,203.29	168.79
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,459.75	185.84
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,875.29	224.62
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,981.31	247.21
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	2,303.19	271.51
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	3,071.90	298.79
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	3,572.27	313.27
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,232.68	329.05
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,479.48	361.69
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,822.70	383.60
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,801.30	426.23
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,124.88	511.56
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	6,507.27	596.98

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

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 19		**Facility Ground-Mounted, Potable-Water Storage Tanks** *(22 12)*			
22 12 19 00-0001		Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*			
22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank		26,732.24	7,340.36
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank		29,801.96	7,340.36
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank		52,670.53	11,327.74
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank		68,017.25	14,680.72
22 12 19 00-0006		Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*			
22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank		31,279.98	7,340.36
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank		41,967.18	7,340.36
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank		62,845.07	11,327.74
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank		89,126.43	14,680.72
22 12 23		**Facility Indoor Potable-Water Storage Tanks** *(22 12)*			
22 12 23 13		**Facility Steel, Indoor Potable-Water Storage Pressure Tanks** *(22 12 23)*			
22 12 23 13-0001		Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*			
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)		1,970.87	340.82
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)		2,441.80	426.03
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)		4,493.61	468.63
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)		4,969.13	511.23
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)		9,851.54	553.83
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)		8,493.71	596.44
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)		14,564.26	639.04
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)		13,425.30	681.64
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)		14,583.91	724.24
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)		17,372.56	766.85
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*			
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)		1,688.65	340.82
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)		3,236.70	426.03
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)		4,044.76	468.63
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)		4,996.92	511.23
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)		4,247.01	511.23
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)		6,558.37	553.83
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)		7,097.80	596.44
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)		6,757.13	596.44
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)		6,167.82	596.44
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)		8,432.16	639.04
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)		9,146.82	681.64
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)		10,616.64	724.24
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)		19,895.90	766.85
22 12 23 26		**Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks** *(22 12 23)*			
22 12 23 26-0001		Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*			
		Note: Excludes excavation and backfill.			
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank		477.06	191.72
		For Saddle Assembly, Add		*524.97*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank		558.51	223.67
		For Saddle Assembly, Add		*524.97*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank		659.38	255.62
		For Saddle Assembly, Add		*591.02*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank		795.23	287.57
		For Saddle Assembly, Add		*848.73*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank		945.32	319.52
		For Two Tie Down Bands, Add		*307.66*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank		1,217.70	426.76
		For Two Tie Down Bands, Add		*325.79*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank		1,775.22	497.90
		For Three Tie Down Bands, Add		*546.96*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank		2,513.45	569.02
		For Three Tie Down Bands, Add		*550.85*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank		3,114.64	640.15
		For Four Tie Down Bands, Add		*744.82*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank		3,636.13	711.27
		For Four Tie Down Bands, Add		*1,009.00*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank		5,122.54	782.41
		For Four Tie Down Bands, Add		*1,299.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,916.69	853.53
		For Four Tie Down Bands, Add	*1,397.51*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,470.51	1,138.04
		For Four Tie Down Bands, Add	*1,568.46*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,850.66	1,138.04
		For Five Tie Down Bands, Add	*2,433.26*	

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

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	536.36	255.62
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	634.07	271.59
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	692.92	287.57
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	830.07	319.52
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	952.82	383.42
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,123.50	447.33
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,540.89	569.02
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,986.97	711.27
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,637.67	853.53
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,410.11	995.78
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,911.65	1,138.04
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	6,566.00	1,280.29
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	7,434.27	1,422.55
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,191.17	1,564.80
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	9,406.51	1,707.06
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	10,599.82	1,849.32
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,023.43	1,991.58
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	15,630.23	2,276.09

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

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

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0345 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

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

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

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	715.67	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	902.63	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	659.66	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	418.49	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	492.47	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	639.68	
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	671.10	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	407.25	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	659.66	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	685.37	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	642.76	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	715.67	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,116.81	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	692.43	

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

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

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	913.53	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,209.91	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	790.43	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	490.54	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	675.42	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	712.59	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	467.59	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	798.94	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	716.76	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	695.48	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	913.53	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	456.36	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	604.95	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	395.64	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	245.70	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	337.73	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	356.27	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	255.10	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	399.05	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	358.37	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	348.14	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	450.39	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	376.14	
22 13 13 00-0043	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	349.89	
22 13 13 00-0044	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	368.66	
22 13 13 00-0045	EA	Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	210.23	
22 13 13 00-0046	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	245.28	
22 13 13 00-0047	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	350.21	
22 13 13 00-0048	EA	Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	341.67	
22 13 13 00-0049	EA	Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	211.92	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0050	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	368.66	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	400.59	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	363.23	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	376.03	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	574.31	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	360.31	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	433.70	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	452.63	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	379.41	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	219.70	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	348.49	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	359.80	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	219.86	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	386.97	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	404.72	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	385.71	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	433.70	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	216.50	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	225.90	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	189.95	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	109.89	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	174.22	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	179.68	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	109.92	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	193.41	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	202.39	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	193.22	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	210.85	

22 13 16 Sanitary Waste And Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	23.56	5.36
		For Work In Restricted Working Space, Add	*3.94*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	33.45	8.09
		For Work In Restricted Working Space, Add	*5.34*	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	43.34	10.31
		For Work In Restricted Working Space, Add	*6.87*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	49.86	12.54
		For Work In Restricted Working Space, Add	*7.05*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	58.20	13.66
		For Work In Restricted Working Space, Add	*7.84*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	91.16	19.42
		For Work In Restricted Working Space, Add	*11.00*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	130.92	19.42
		For Work In Restricted Working Space, Add	*12.45*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.86	5.11
		For Work In Restricted Working Space, Add	*4.27*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.16	5.45
		For Work In Restricted Working Space, Add	*4.61*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.57	7.92
		For Work In Restricted Working Space, Add	*5.91*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	34.05	10.31
		For Work In Restricted Working Space, Add	*7.28*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	54.94	12.30
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	60.39	13.42
		For Work In Restricted Working Space, Add	*12.55*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	98.07	19.26
		For Work In Restricted Working Space, Add	*20.06*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	99.93	21.88
		For Work In Restricted Working Space, Add	*14.61*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	16.47	5.36
		For Extra Heavy Pipe, Add	*3.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.43*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	24.16	8.09
		For Extra Heavy Pipe, Add	*5.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	31.07	10.31
		For Extra Heavy Pipe, Add	*6.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	40.75	12.54
		For Extra Heavy Pipe, Add	*9.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.94*	
		For Work In Restricted Working Space, Add	*5.63*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	47.24	13.66
		For Extra Heavy Pipe, Add	*11.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.02*	
		For Work In Restricted Working Space, Add	*6.14*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	70.79	19.42
		For Extra Heavy Pipe, Add	*17.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.46*	
		For Work In Restricted Working Space, Add	*8.74*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	102.13	21.88
		For Extra Heavy Pipe, Add	*29.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.64*	
		For Work In Restricted Working Space, Add	*9.84*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	144.43	29.18
		For Extra Heavy Pipe, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.19*	
		For Work In Restricted Working Space, Add	*13.11*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	199.67	34.99
		For Extra Heavy Pipe, Add	*61.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.62*	
		For Work In Restricted Working Space, Add	*15.74*	
22 13 16 00-0030		**Bell And Spigot Cast Iron Fittings** *(22 13 16 00-0019)*		
22 13 16 00-0031		**Bell And Spigot Cast Iron Long Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	74.37	24.46
		For Extra Heavy Fittings, Add	*13.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	122.60	30.76
		For Extra Heavy Fittings, Add	*26.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	163.34	40.90
		For Extra Heavy Fittings, Add	*35.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	251.31	53.04
		For Extra Heavy Fittings, Add	*60.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.98*	
		For Work In Restricted Working Space, Add	*23.85*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	485.62	68.35
		For Extra Heavy Fittings, Add	*134.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.74*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	661.27	84.09
		For Extra Heavy Fittings, Add	*187.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.83*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,010.37	117.35
		For Extra Heavy Fittings, Add	*292.04*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	1,858.80	163.42
		For Extra Heavy Fittings, Add	*564.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.25*	
		For Work In Restricted Working Space, Add	*73.50*	
22 13 16 00-0040		**Bell And Spigot Cast Iron Short Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	64.41	24.46
		For Extra Heavy Fittings, Add	*9.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	105.89	30.76
		For Extra Heavy Fittings, Add	*20.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	144.54	40.90
		For Extra Heavy Fittings, Add	*29.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	211.50	45.09
		For Extra Heavy Fittings, Add	*50.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.38*	
		For Work In Restricted Working Space, Add	*20.27*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	254.89	53.04
		For Extra Heavy Fittings, Add	*61.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.98*	
		For Work In Restricted Working Space, Add	*23.85*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	413.57	68.35
		For Extra Heavy Fittings, Add	*108.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.74*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	599.80	84.09
		For Extra Heavy Fittings, Add	*165.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.83*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	987.44	117.35
		For Extra Heavy Fittings, Add	*284.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	58.74	24.36
		For Extra Heavy Fittings, Add	*7.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.97*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	85.47	27.43
		For Extra Heavy Fittings, Add	*15.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.06*	
		For Work In Restricted Working Space, Add	*12.35*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	121.31	36.55
		For Extra Heavy Fittings, Add	*23.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.74*	
		For Work In Restricted Working Space, Add	*16.44*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	149.67	40.26
		For Extra Heavy Fittings, Add	*31.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.10*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	179.97	48.22
		For Extra Heavy Fittings, Add	*37.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.62*	
		For Work In Restricted Working Space, Add	*21.70*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	361.42	62.94
		For Extra Heavy Fittings, Add	*93.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.72*	
		For Work In Restricted Working Space, Add	*28.30*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	527.72	76.38
		For Extra Heavy Fittings, Add	*144.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.73*	
		For Work In Restricted Working Space, Add	*34.35*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	692.37	90.15
		For Extra Heavy Fittings, Add	*195.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.76*	
		For Work In Restricted Working Space, Add	*40.55*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	1,740.91	142.19
		For Extra Heavy Fittings, Add	*534.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.66*	
		For Work In Restricted Working Space, Add	*63.94*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	54.35	24.46
		For Extra Heavy Fittings, Add	*6.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	82.59	30.76
		For Extra Heavy Fittings, Add	*12.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	116.74	40.90
		For Extra Heavy Fittings, Add	*19.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	145.42	50.39
		For Extra Heavy Fittings, Add	*24.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.78*	
		For Work In Restricted Working Space, Add	*22.66*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	167.51	56.18
		For Extra Heavy Fittings, Add	*29.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.21*	
		For Work In Restricted Working Space, Add	*25.28*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	321.31	75.40
		For Extra Heavy Fittings, Add	*72.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.65*	
		For Work In Restricted Working Space, Add	*33.91*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	445.39	93.02
		For Extra Heavy Fittings, Add	*107.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	710.13	120.64
		For Extra Heavy Fittings, Add	*185.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.24*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	1,332.26	142.19
		For Extra Heavy Fittings, Add	*391.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.66*	
		For Work In Restricted Working Space, Add	*63.94*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	98.96	54.62
		For Extra Heavy Fittings, Add	*5.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.58*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	121.59	59.82
		For Extra Heavy Fittings, Add	*11.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	159.96	78.39
		For Extra Heavy Fittings, Add	*14.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	200.79	86.72
		For Extra Heavy Fittings, Add	*24.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.50*	
		For Work In Restricted Working Space, Add	*39.01*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	249.99	102.79
		For Extra Heavy Fittings, Add	*33.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.71*	
		For Work In Restricted Working Space, Add	*46.24*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	441.49	137.68
		For Extra Heavy Fittings, Add	*82.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.32*	
		For Work In Restricted Working Space, Add	*61.93*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	607.25	156.20
		For Extra Heavy Fittings, Add	*130.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.71*	
		For Work In Restricted Working Space, Add	*70.25*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	885.27	190.14
		For Extra Heavy Fittings, Add	*210.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.25*	
		For Work In Restricted Working Space, Add	*85.52*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	1,347.58	213.33
		For Extra Heavy Fittings, Add	*359.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.99*	
		For Work In Restricted Working Space, Add	*95.95*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	146.87	57.09
		For Extra Heavy Fittings, Add	*21.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.28*	
		For Work In Restricted Working Space, Add	*25.68*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	179.12	70.55
		For Extra Heavy Fittings, Add	*25.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.29*	
		For Work In Restricted Working Space, Add	*31.75*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	197.75	72.34
		For Extra Heavy Fittings, Add	*31.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.43*	
		For Work In Restricted Working Space, Add	*32.56*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	286.74	92.10
		For Extra Heavy Fittings, Add	*52.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.90*	
		For Work In Restricted Working Space, Add	*41.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	293.97	93.79
		For Extra Heavy Fittings, Add	*53.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.19*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	308.31	100.05
		For Extra Heavy Fittings, Add	*55.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*45.01*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	441.83	110.72
		For Extra Heavy Fittings, Add	*96.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.30*	
		For Work In Restricted Working Space, Add	*49.79*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	460.94	112.85
		For Extra Heavy Fittings, Add	*102.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.46*	
		For Work In Restricted Working Space, Add	*50.75*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	472.88	118.18
		For Extra Heavy Fittings, Add	*103.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.16*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	556.19	131.46
		For Extra Heavy Fittings, Add	*125.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.86*	
		For Work In Restricted Working Space, Add	*59.14*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	673.71	123.18
		For Extra Heavy Fittings, Add	*171.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.23*	
		For Work In Restricted Working Space, Add	*55.41*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	700.98	128.59
		For Extra Heavy Fittings, Add	*177.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.64*	
		For Work In Restricted Working Space, Add	*57.85*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	767.31	142.19
		For Extra Heavy Fittings, Add	*193.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.66*	
		For Work In Restricted Working Space, Add	*63.94*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,002.99	150.80
		For Extra Heavy Fittings, Add	*271.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.82*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,030.96	150.80
		For Extra Heavy Fittings, Add	*281.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.82*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,075.03	163.42
		For Extra Heavy Fittings, Add	*290.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.25*	
		For Work In Restricted Working Space, Add	*73.50*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,256.04	171.53
		For Extra Heavy Fittings, Add	*349.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.86*	
		For Work In Restricted Working Space, Add	*77.13*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,516.92	176.61
		For Extra Heavy Fittings, Add	*438.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.24*	
		For Work In Restricted Working Space, Add	*79.44*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,469.20	166.53
		For Extra Heavy Fittings, Add	*776.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.48*	
		For Work In Restricted Working Space, Add	*74.90*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,579.02	180.22
		For Extra Heavy Fittings, Add	*808.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.51*	
		For Work In Restricted Working Space, Add	*81.08*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,633.13	188.00
		For Extra Heavy Fittings, Add	*822.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.09*	
		For Work In Restricted Working Space, Add	*84.56*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,695.07	194.40
		For Extra Heavy Fittings, Add	*841.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.57*	
		For Work In Restricted Working Space, Add	*87.42*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,765.17	205.71
		For Extra Heavy Fittings, Add	*859.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.42*	
		For Work In Restricted Working Space, Add	*92.52*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	106.26	54.62
		For Extra Heavy Fittings, Add	*8.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	126.09	59.82
		For Extra Heavy Fittings, Add	*12.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	167.78	78.39
		For Extra Heavy Fittings, Add	*17.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	227.46	90.98
		For Extra Heavy Fittings, Add	*31.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.91*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	284.51	112.84
		For Extra Heavy Fittings, Add	*40.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.46*	
		For Work In Restricted Working Space, Add	*50.74*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	503.09	148.26
		For Extra Heavy Fittings, Add	*98.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.11*	
		For Work In Restricted Working Space, Add	*66.68*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	719.87	194.40
		For Extra Heavy Fittings, Add	*149.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.57*	
		For Work In Restricted Working Space, Add	*87.42*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	961.81	249.88
		For Extra Heavy Fittings, Add	*205.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.73*	
		For Work In Restricted Working Space, Add	*112.40*	
22 13 16 00-0112		Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	112.91	57.09
		For Extra Heavy Fittings, Add	*9.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.28*	
		For Work In Restricted Working Space, Add	*25.68*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	155.97	70.55
		For Extra Heavy Fittings, Add	*17.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.29*	
		For Work In Restricted Working Space, Add	*31.75*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	167.20	72.34
		For Extra Heavy Fittings, Add	*20.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.43*	
		For Work In Restricted Working Space, Add	*32.56*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	242.92	92.10
		For Extra Heavy Fittings, Add	*36.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.90*	
		For Work In Restricted Working Space, Add	*41.41*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	252.36	93.79
		For Extra Heavy Fittings, Add	*39.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.19*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	267.71	100.05
		For Extra Heavy Fittings, Add	*41.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*45.01*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	360.43	110.72
		For Extra Heavy Fittings, Add	*68.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.30*	
		For Work In Restricted Working Space, Add	*49.79*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	371.65	118.18
		For Extra Heavy Fittings, Add	*68.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.16*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	464.07	131.46
		For Extra Heavy Fittings, Add	*93.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.86*	
		For Work In Restricted Working Space, Add	*59.14*	
22 13 16 00-0122		Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	165.22	65.35
		For Extra Heavy Fittings, Add	*23.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.38*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	236.44	82.39
		For Extra Heavy Fittings, Add	*39.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.17*	
		For Work In Restricted Working Space, Add	*37.04*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	318.46	104.21
		For Extra Heavy Fittings, Add	*56.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	596.54	157.92
		For Extra Heavy Fittings, Add	*125.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.84*	
		For Work In Restricted Working Space, Add	*71.03*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,154.71	186.12
		For Extra Heavy Fittings, Add	*306.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.95*	
		For Work In Restricted Working Space, Add	*83.70*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	1,518.65	208.25
		For Extra Heavy Fittings, Add	*422.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.61*	
		For Work In Restricted Working Space, Add	*93.66*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,084.88	249.88
		For Extra Heavy Fittings, Add	*248.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.73*	
		For Work In Restricted Working Space, Add	*112.40*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	2,925.56	262.26
		For Extra Heavy Fittings, Add	*886.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.67*	
		For Work In Restricted Working Space, Add	*118.02*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	155.60	77.28
		For Extra Heavy Fittings, Add	*13.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.80*	
		For Work In Restricted Working Space, Add	*34.77*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	180.47	88.78
		For Extra Heavy Fittings, Add	*16.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.66*	
		For Work In Restricted Working Space, Add	*39.94*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	194.54	93.13
		For Extra Heavy Fittings, Add	*19.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.98*	
		For Work In Restricted Working Space, Add	*41.91*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	246.08	109.54
		For Extra Heavy Fittings, Add	*28.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	260.13	113.72
		For Extra Heavy Fittings, Add	*31.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.52*	
		For Work In Restricted Working Space, Add	*51.14*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	297.25	124.01
		For Extra Heavy Fittings, Add	*38.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.30*	
		For Work In Restricted Working Space, Add	*55.78*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	462.17	143.42
		For Extra Heavy Fittings, Add	*86.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.75*	
		For Work In Restricted Working Space, Add	*64.49*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	507.49	169.73
		For Extra Heavy Fittings, Add	*88.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.36*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	492.55	153.41
		For Extra Heavy Fittings, Add	*91.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.50*	
		For Work In Restricted Working Space, Add	*69.02*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	574.46	180.22
		For Extra Heavy Fittings, Add	*106.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.51*	
		For Work In Restricted Working Space, Add	*81.08*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	700.17	196.44
		For Extra Heavy Fittings, Add	*141.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.73*	
		For Work In Restricted Working Space, Add	*88.36*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	715.25	200.96
		For Extra Heavy Fittings, Add	*144.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.07*	
		For Work In Restricted Working Space, Add	*90.39*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	902.78	218.65
		For Extra Heavy Fittings, Add	*201.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.39*	
		For Work In Restricted Working Space, Add	*98.35*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	141.11	65.35
		For Extra Heavy Fittings, Add	*15.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	189.86	87.42
		For Extra Heavy Fittings, Add	*20.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.55*	
		For Work In Restricted Working Space, Add	*39.32*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	246.58	109.32
		For Extra Heavy Fittings, Add	*28.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.19*	
		For Work In Restricted Working Space, Add	*49.16*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	521.06	176.49
		For Extra Heavy Fittings, Add	*89.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.23*	
		For Work In Restricted Working Space, Add	*79.39*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	185.73	78.39
		For Extra Heavy Fittings, Add	*23.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	219.10	88.78
		For Extra Heavy Fittings, Add	*30.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.66*	
		For Work In Restricted Working Space, Add	*39.94*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	245.70	98.84
		For Extra Heavy Fittings, Add	*34.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.41*	
		For Work In Restricted Working Space, Add	*44.44*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	471.16	131.64
		For Extra Heavy Fittings, Add	*95.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.87*	
		For Work In Restricted Working Space, Add	*59.22*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	115.64	54.71
		For Extra Heavy Fittings, Add	*11.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.60*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	130.77	59.82
		For Extra Heavy Fittings, Add	*14.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	203.40	73.27
		For Extra Heavy Fittings, Add	*32.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.50*	
		For Work In Restricted Working Space, Add	*32.98*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	286.74	80.21
		For Extra Heavy Fittings, Add	*58.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.02*	
		For Work In Restricted Working Space, Add	*36.09*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	343.96	96.20
		For Extra Heavy Fittings, Add	*69.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.27*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	714.47	125.80
		For Extra Heavy Fittings, Add	*184.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.43*	
		For Work In Restricted Working Space, Add	*56.59*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,062.91	153.41
		For Extra Heavy Fittings, Add	*291.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.50*	
		For Work In Restricted Working Space, Add	*69.02*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	1,571.24	180.22
		For Extra Heavy Fittings, Add	*455.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.51*	
		For Work In Restricted Working Space, Add	*81.08*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	150.06	57.09
		For Extra Heavy Fittings, Add	*22.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.28*	
		For Work In Restricted Working Space, Add	*25.68*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	177.44	66.88
		For Extra Heavy Fittings, Add	*27.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	184.88	66.88
		For Extra Heavy Fittings, Add	*29.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	276.83	92.10
		For Extra Heavy Fittings, Add	*48.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.90*	
		For Work In Restricted Working Space, Add	*41.41*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	287.59	93.79
		For Extra Heavy Fittings, Add	*51.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.19*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	311.49	100.05
		For Extra Heavy Fittings, Add	*56.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*45.01*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	515.02	118.18
		For Extra Heavy Fittings, Add	*118.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.16*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	641.53	131.46
		For Extra Heavy Fittings, Add	*155.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.86*	
		For Work In Restricted Working Space, Add	*59.14*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	101.58	54.62
		For Extra Heavy Fittings, Add	*6.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.58*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	123.90	59.82
		For Extra Heavy Fittings, Add	*11.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	163.85	78.39
		For Extra Heavy Fittings, Add	*16.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	205.51	90.98
		For Extra Heavy Fittings, Add	*24.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.91*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	258.23	112.84
		For Extra Heavy Fittings, Add	*31.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.46*	
		For Work In Restricted Working Space, Add	*50.74*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	429.58	148.26
		For Extra Heavy Fittings, Add	*72.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.11*	
		For Work In Restricted Working Space, Add	*66.68*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	103.88	54.62
		For Extra Heavy Fittings, Add	*7.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.58*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	114.51	59.82
		For Extra Heavy Fittings, Add	*8.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	148.09	78.39
		For Extra Heavy Fittings, Add	*10.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	105.34	54.62
		For Extra Heavy Fittings, Add	*8.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.58*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	117.27	59.82
		For Extra Heavy Fittings, Add	*9.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	155.04	78.39
		For Extra Heavy Fittings, Add	*13.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	58.48	30.76
		For Extra Heavy Fittings, Add	*4.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	73.87	40.56
		For Extra Heavy Fittings, Add	*4.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.26*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	78.19	40.90
		For Extra Heavy Fittings, Add	*5.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	97.60	48.70
		For Extra Heavy Fittings, Add	*8.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.65*	
		For Work In Restricted Working Space, Add	*21.92*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	101.61	49.35
		For Extra Heavy Fittings, Add	*9.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.21*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	104.70	50.39
		For Extra Heavy Fittings, Add	*10.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.78*	
		For Work In Restricted Working Space, Add	*22.66*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	131.71	51.92
		For Extra Heavy Fittings, Add	*18.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.89*	
		For Work In Restricted Working Space, Add	*23.36*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	150.14	63.84
		For Extra Heavy Fittings, Add	*19.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.71*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	154.09	65.48
		For Extra Heavy Fittings, Add	*19.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.46*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	159.35	68.35
		For Extra Heavy Fittings, Add	*19.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.74*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	196.47	76.71
		For Extra Heavy Fittings, Add	*28.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	207.05	80.56
		For Extra Heavy Fittings, Add	*30.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.04*	
		For Work In Restricted Working Space, Add	*36.25*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	220.10	84.09
		For Extra Heavy Fittings, Add	*32.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.83*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	269.56	91.14
		For Extra Heavy Fittings, Add	*46.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.83*	
		For Work In Restricted Working Space, Add	*40.98*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	302.12	106.63
		For Extra Heavy Fittings, Add	*49.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.00*	
		For Work In Restricted Working Space, Add	*47.97*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	328.54	121.45
		For Extra Heavy Fittings, Add	*51.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.11*	
		For Work In Restricted Working Space, Add	*54.64*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	361.93	139.90
		For Extra Heavy Fittings, Add	*53.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.49*	
		For Work In Restricted Working Space, Add	*62.92*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	460.41	139.90
		For Extra Heavy Fittings, Add	*87.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.49*	
		For Work In Restricted Working Space, Add	*62.92*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	490.45	150.80
		For Extra Heavy Fittings, Add	*92.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.82*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	511.29	158.99
		For Extra Heavy Fittings, Add	*95.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.92*	
		For Work In Restricted Working Space, Add	*71.53*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	539.40	169.73
		For Extra Heavy Fittings, Add	*99.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.36*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	57.89	24.46
		For Extra Heavy Fittings, Add	*7.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	76.96	30.76
		For Extra Heavy Fittings, Add	*10.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	104.61	40.90
		For Extra Heavy Fittings, Add	*15.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	160.42	45.09
		For Extra Heavy Fittings, Add	*32.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.38*	
		For Work In Restricted Working Space, Add	*20.27*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	213.22	53.04
		For Extra Heavy Fittings, Add	*46.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.98*	
		For Work In Restricted Working Space, Add	*23.85*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	459.39	68.35
		For Extra Heavy Fittings, Add	*124.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.74*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	511.71	84.09
		For Extra Heavy Fittings, Add	*134.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.83*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	65.96	24.46
		For Extra Heavy Fittings, Add	*10.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	92.83	30.76
		For Extra Heavy Fittings, Add	*16.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	134.10	40.90
		For Extra Heavy Fittings, Add	*25.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	215.00	50.39
		For Extra Heavy Fittings, Add	*48.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.78*	
		For Work In Restricted Working Space, Add	*22.66*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	228.96	56.18
		For Extra Heavy Fittings, Add	*50.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.21*	
		For Work In Restricted Working Space, Add	*25.28*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	153.15	59.04
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	203.89	77.62
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	269.86	87.52
		For Above Ground Cast Iron Pipe Installation, Add	*6.62*	
		For Work In Restricted Working Space, Add	*39.69*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	520.28	99.18
		For Above Ground Cast Iron Pipe Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*45.01*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	1,647.13	116.87
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.16*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	1,784.43	130.39
		For Above Ground Cast Iron Pipe Installation, Add	*9.86*	
		For Work In Restricted Working Space, Add	*59.14*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	197.63	81.54
		For Above Ground Cast Iron Pipe Installation, Add	*6.17*	
		For Work In Restricted Working Space, Add	*37.04*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	267.50	102.93
		For Above Ground Cast Iron Pipe Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.88*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	583.52	122.56
		For Above Ground Cast Iron Pipe Installation, Add	*9.30*	
		For Work In Restricted Working Space, Add	*55.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	678.53	148.35
		For Above Ground Cast Iron Pipe Installation, Add	*11.24*	
		For Work In Restricted Working Space, Add	*67.44*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,778.63	141.70
		For Above Ground Cast Iron Pipe Installation, Add	*10.75*	
		For Work In Restricted Working Space, Add	*64.49*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,955.25	168.25
		For Above Ground Cast Iron Pipe Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.36*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	2,592.27	194.15
		For Above Ground Cast Iron Pipe Installation, Add	*14.73*	
		For Work In Restricted Working Space, Add	*88.36*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	3,575.19	224.48
		For Above Ground Cast Iron Pipe Installation, Add	*17.00*	
		For Work In Restricted Working Space, Add	*102.02*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	6,909.18	259.63
		For Above Ground Cast Iron Pipe Installation, Add	*19.68*	
		For Work In Restricted Working Space, Add	*118.06*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	112.40	
		For Above Ground Cast Iron Pipe Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.97*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	153.27	
		For Above Ground Cast Iron Pipe Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	178.42	
		For Above Ground Cast Iron Pipe Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.51*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	219.57	
		For Above Ground Cast Iron Pipe Installation, Add	*3.20*	
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	266.57	
		For Above Ground Cast Iron Pipe Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	495.82	
		For Above Ground Cast Iron Pipe Installation, Add	*4.88*	
		For Work In Restricted Working Space, Add	*29.27*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	10.18	
		For Above Ground Cast Iron Pipe Installation, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	11.11	
		For Above Ground Cast Iron Pipe Installation, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.33*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	13.88	
		For Above Ground Cast Iron Pipe Installation, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.16*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	16.66	
		For Above Ground Cast Iron Pipe Installation, Add	*0.83*	
		For Work In Restricted Working Space, Add	*5.00*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	22.21	
		For Above Ground Cast Iron Pipe Installation, Add	*1.11*	
		For Work In Restricted Working Space, Add	*6.66*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	25.92	
		For Above Ground Cast Iron Pipe Installation, Add	*1.30*	
		For Work In Restricted Working Space, Add	*7.78*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	30.55	
		For Above Ground Cast Iron Pipe Installation, Add	*1.53*	
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	35.18	
		For Above Ground Cast Iron Pipe Installation, Add	*1.76*	
		For Work In Restricted Working Space, Add	*10.55*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	4.28
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	7.36
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	0.72
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	0.99
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	1.23
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	2.04
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	4.50
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	6.90
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	8.79
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	10.44

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	11.19	5.11
		For Below Ground Installation, Add	*0.38*	
		For Work In Restricted Working Space, Add	*2.30*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	11.91	5.45
		For Below Ground Installation, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.47*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	17.02	7.92
		For Below Ground Installation, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.58*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	22.09	10.31
		For Below Ground Installation, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	27.64	12.30
		For Below Ground Installation, Add	*0.92*	
		For Work In Restricted Working Space, Add	*5.53*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	31.48	13.42
		For Below Ground Installation, Add	*1.01*	
		For Work In Restricted Working Space, Add	*6.03*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	47.04	19.26
		For Below Ground Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.65*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	62.99	21.88
		For Below Ground Installation, Add	*1.64*	
		For Work In Restricted Working Space, Add	*9.84*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	44.99	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	45.21	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	52.77	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	71.68	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	91.59	40.58
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	108.85	48.38
		For Below Ground Installation, Add	*3.63*	
		For Work In Restricted Working Space, Add	*21.78*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	192.81	62.45
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.10*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	62.01	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	89.28	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	43.35	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	51.30	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	70.91	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	91.88	40.58
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	104.35	48.38
		For Below Ground Installation, Add	*3.63*	
		For Work In Restricted Working Space, Add	*21.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	179.19	62.45
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.10*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	281.55	87.45
		For Below Ground Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.34*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	40.28	23.18
		For Below Ground Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.43*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	42.07	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	49.23	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	66.33	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	86.19	40.58
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	100.70	48.38
		For Below Ground Installation, Add	*3.63*	
		For Work In Restricted Working Space, Add	*21.78*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	168.58	62.45
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.10*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	39.10	23.18
		For Below Ground Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.43*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	40.67	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	47.85	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	63.24	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	100.02	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	156.76	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	225.86	87.42
		For Below Ground Installation, Add	*6.55*	
		For Work In Restricted Working Space, Add	*39.32*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	62.29	36.47
		For Below Ground Installation, Add	*2.73*	
		For Work In Restricted Working Space, Add	*16.39*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	81.85	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	91.75	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	123.73	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	155.69	79.00
		For Below Ground Installation, Add	*5.92*	
		For Work In Restricted Working Space, Add	*35.53*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	184.79	93.79
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.19*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	291.06	124.98
		For Below Ground Installation, Add	*9.37*	
		For Work In Restricted Working Space, Add	*56.20*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	432.74	138.83
		For Below Ground Installation, Add	*10.41*	
		For Work In Restricted Working Space, Add	*62.44*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	79.08	47.20
		For Below Ground Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.21*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	89.51	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	100.40	59.82
		For Below Ground Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	114.00	66.46
		For Below Ground Installation, Add	*4.98*	
		For Work In Restricted Working Space, Add	*29.90*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	143.50	79.81
		For Below Ground Installation, Add	*5.99*	
		For Work In Restricted Working Space, Add	*35.91*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	151.86	83.42
		For Below Ground Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.51*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	175.51	97.49
		For Below Ground Installation, Add	*7.31*	
		For Work In Restricted Working Space, Add	*43.84*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	206.72	98.27
		For Below Ground Installation, Add	*7.37*	
		For Work In Restricted Working Space, Add	*44.20*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	235.23	108.02
		For Below Ground Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.56*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	327.86	115.07
		For Below Ground Installation, Add	*8.63*	
		For Work In Restricted Working Space, Add	*51.76*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	347.21	123.18
		For Below Ground Installation, Add	*9.23*	
		For Work In Restricted Working Space, Add	*55.41*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	392.34	131.54
		For Below Ground Installation, Add	*9.86*	
		For Work In Restricted Working Space, Add	*59.15*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	71.34	42.43
		For Below Ground Installation, Add	*3.18*	
		For Work In Restricted Working Space, Add	*19.07*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	82.17	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	94.11	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	130.41	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	224.02	109.32
		For Below Ground Installation, Add	*8.19*	
		For Work In Restricted Working Space, Add	*49.16*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	361.22	140.25
		For Below Ground Installation, Add	*10.51*	
		For Work In Restricted Working Space, Add	*63.08*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	427.51	169.56
		For Below Ground Installation, Add	*12.71*	
		For Work In Restricted Working Space, Add	*76.26*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	82.55	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	90.69	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	102.76	59.82
		For Below Ground Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	116.29	66.46
		For Below Ground Installation, Add	*4.98*	
		For Work In Restricted Working Space, Add	*29.90*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	150.37	79.81
		For Below Ground Installation, Add	*5.99*	
		For Work In Restricted Working Space, Add	*35.91*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	163.86	83.42
		For Below Ground Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.51*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	186.03	97.49
		For Below Ground Installation, Add	*7.31*	
		For Work In Restricted Working Space, Add	*43.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	226.37	98.27
		For Below Ground Installation, Add	*7.37*	
		For Work In Restricted Working Space, Add	*44.20*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	280.15	108.02
		For Below Ground Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.56*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	102.94	61.43
		For Below Ground Installation, Add	*4.61*	
		For Work In Restricted Working Space, Add	*27.63*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	132.07	74.81
		For Below Ground Installation, Add	*5.61*	
		For Work In Restricted Working Space, Add	*33.63*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	163.69	81.80
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.78*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	247.97	118.22
		For Below Ground Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.15*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	430.13	158.99
		For Below Ground Installation, Add	*11.92*	
		For Work In Restricted Working Space, Add	*71.53*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	119.17	68.08
		For Below Ground Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.62*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	140.53	78.39
		For Below Ground Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	154.07	85.46
		For Below Ground Installation, Add	*6.41*	
		For Work In Restricted Working Space, Add	*38.44*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	213.68	104.23
		For Below Ground Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.88*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	129.63	73.79
		For Below Ground Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.20*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	151.99	81.80
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.78*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	218.43	108.30
		For Below Ground Installation, Add	*8.12*	
		For Work In Restricted Working Space, Add	*48.69*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	316.15	167.17
		For Below Ground Installation, Add	*12.53*	
		For Work In Restricted Working Space, Add	*75.18*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	117.21	63.48
		For Below Ground Installation, Add	*4.76*	
		For Work In Restricted Working Space, Add	*28.56*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	136.02	73.79
		For Below Ground Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.20*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	157.73	80.60
		For Below Ground Installation, Add	*6.04*	
		For Work In Restricted Working Space, Add	*36.26*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	60.87	35.70
		For Below Ground Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.08*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	82.24	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	90.88	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	121.75	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	156.10	79.00
		For Below Ground Installation, Add	*5.92*	
		For Work In Restricted Working Space, Add	*35.53*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	184.50	93.79
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.19*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	315.44	124.98
		For Below Ground Installation, Add	*9.37*	
		For Work In Restricted Working Space, Add	*56.20*	
22 13 16 00-0382	EA	2" x 1-1/2" No Hub Cast Iron Sanitary Tee	68.58	40.31
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.13*	
22 13 16 00-0383	EA	3" x 1-1/2" No Hub Cast Iron Sanitary Tee	79.75	47.20
		For Below Ground Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.21*	

22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	83.13	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	92.46	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	111.85	66.88
		For Below Ground Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	114.11	66.88
		For Below Ground Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	139.44	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	142.60	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	142.99	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	148.57	78.20
		For Below Ground Installation, Add	*5.86*	
		For Work In Restricted Working Space, Add	*35.16*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	253.45	105.39
		For Below Ground Installation, Add	*7.90*	
		For Work In Restricted Working Space, Add	*47.40*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	44.43	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	51.37	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	65.00	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	43.01	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	52.41	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	74.04	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	118.34	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	160.97	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	212.46	107.95
		For Below Ground Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.57*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	39.13	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	46.07	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	63.53	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	97.13	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	128.48	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	81.44	47.71
		For Below Ground Installation, Add	*3.58*	
		For Work In Restricted Working Space, Add	*21.48*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	86.39	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	100.50	54.10
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.34*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	142.89	71.06
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.95*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	112.59	63.48
		For Below Ground Installation, Add	*4.76*	
		For Work In Restricted Working Space, Add	*28.55*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	122.58	65.35
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.39*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	131.94	68.25
		For Below Ground Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.68*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	78.21	49.42
		For Below Ground Installation, Add	*3.70*	
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	106.54	66.88
		For Below Ground Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	106.74	66.88
		For Below Ground Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	121.74	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	123.02	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	123.53	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.75*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	140.96	83.42
		For Below Ground Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.51*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	141.15	83.42
		For Below Ground Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.51*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	141.73	83.42
		For Below Ground Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.51*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	196.08	116.62
		For Below Ground Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	197.55	116.62
		For Below Ground Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	199.92	116.62
		For Below Ground Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	202.38	116.62
		For Below Ground Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	202.67	116.62
		For Below Ground Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	230.02	123.02
		For Below Ground Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.32*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	243.72	128.42
		For Below Ground Installation, Add	*9.63*	
		For Work In Restricted Working Space, Add	*57.78*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	270.22	139.40
		For Below Ground Installation, Add	*10.45*	
		For Work In Restricted Working Space, Add	*62.69*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	37.14	23.18
		For Below Ground Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.43*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	38.53	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	45.59	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	60.37	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	71.91	41.79
		For Below Ground Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.56*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	82.72	48.38
		For Below Ground Installation, Add	*3.63*	
		For Work In Restricted Working Space, Add	*21.78*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	125.61	62.45
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.10*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	146.80	67.28
		For Below Ground Installation, Add	*5.04*	
		For Work In Restricted Working Space, Add	*30.26*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	44.63	24.19
		For Below Ground Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.88*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	60.63	27.70
		For Below Ground Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	88.10	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	137.10	40.91
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	149.02	48.78
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.94*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	66.01	30.76
		For Below Ground Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	93.15	40.90
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.39*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	132.06	54.02
		For Below Ground Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.28*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	68.23	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	70.98	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	106.88	36.64
		For Below Ground Installation, Add	*2.75*	
		For Work In Restricted Working Space, Add	*16.49*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0463		**No Hub Cast Iron Threaded Adapter** *(22 13 16 00-0278)*		
22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	53.24	30.76
		For Below Ground Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	55.45	30.76
		For Below Ground Installation, Add	*2.30*	
		For Work In Restricted Working Space, Add	*13.82*	
22 13 16 00-0466		**No Hub Couplings** *(22 13 16 00-0278)*		
		Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	5.58	
		For Medium Duty (Fernco MD-2000), Add	*0.73*	
		For Heavy Duty (Fernco HD-4000), Add	*1.51*	
22 13 16 00-0468	EA	2" No Hub Coupling	5.58	
		For Medium Duty (Fernco MD-2000), Add	*0.73*	
		For Heavy Duty (Fernco HD-4000), Add	*1.51*	
22 13 16 00-0469	EA	3" No Hub Coupling	6.62	
		For Medium Duty (Fernco MD-2000), Add	*0.86*	
		For Heavy Duty (Fernco HD-4000), Add	*1.79*	
22 13 16 00-0470	EA	4" No Hub Coupling	7.86	
		For Medium Duty (Fernco MD-2000), Add	*1.02*	
		For Heavy Duty (Fernco HD-4000), Add	*2.12*	
22 13 16 00-0471	EA	5" No Hub Coupling	18.18	
		For Medium Duty (Fernco MD-2000), Add	*2.36*	
		For Heavy Duty (Fernco HD-4000), Add	*4.91*	
22 13 16 00-0472	EA	6" No Hub Coupling	19.98	
		For Medium Duty (Fernco MD-2000), Add	*2.60*	
		For Heavy Duty (Fernco HD-4000), Add	*5.39*	
22 13 16 00-0473	EA	8" No Hub Coupling	37.63	
		For Medium Duty (Fernco MD-2000), Add	*4.89*	
		For Heavy Duty (Fernco HD-4000), Add	*10.16*	
22 13 16 00-0474	EA	10" No Hub Coupling	51.84	
		For Medium Duty (Fernco MD-2000), Add	*6.74*	
		For Heavy Duty (Fernco HD-4000), Add	*14.00*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	6.62	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	10.27	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	14.33	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	12.21	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	15.88	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	16.40	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	17.22	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	20.09	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	37.92	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	52.06	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	91.20	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	139.37	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	8.33	
		For Work In Restricted Working Space, Add	*2.50*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	10.18	
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	11.11	
		For Work In Restricted Working Space, Add	*3.33*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	13.88	
		For Work In Restricted Working Space, Add	*4.16*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	16.66	
		For Work In Restricted Working Space, Add	*5.00*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	22.22	
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	25.92	
		For Work In Restricted Working Space, Add	*7.78*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0413 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	10.81	4.00
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	12.73	4.47
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	16.26	5.51
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	36.84	7.64
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	49.25	8.62
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	89.26	9.90
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	128.61	15.35

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)* Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.65	3.58
		For Work In Restricted Working Space, Add	*4.90*	
22 13 16 00-0507	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.56	4.26
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0508	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.14	6.14
		For Work In Restricted Working Space, Add	*6.74*	
22 13 16 00-0509	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.31	6.64
		For Work In Restricted Working Space, Add	*7.49*	
22 13 16 00-0510	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	41.28	8.52
		For Work In Restricted Working Space, Add	*9.96*	
22 13 16 00-0511	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	55.27	11.33
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0512	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	75.43	15.17
		For Work In Restricted Working Space, Add	*16.46*	
22 13 16 00-0513		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0514		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0513)* Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	5.87	3.58
		For Work In Restricted Working Space, Add	*1.60*	
22 13 16 00-0516	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	7.10	4.26
		For Work In Restricted Working Space, Add	*1.91*	
22 13 16 00-0517	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.61	6.14
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0518	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	11.98	6.64
		For Work In Restricted Working Space, Add	*2.98*	
22 13 16 00-0519	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	15.66	8.04
		For Work In Restricted Working Space, Add	*3.61*	
22 13 16 00-0520	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	22.27	10.69
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0521	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	30.93	14.30
		For Work In Restricted Working Space, Add	*6.43*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0513)* Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	5.75	3.58
		For Work In Restricted Working Space, Add	*1.60*	
22 13 16 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.97	4.26
		For Work In Restricted Working Space, Add	*1.91*	
22 13 16 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	10.37	6.14
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.68	6.64
		For Work In Restricted Working Space, Add	*2.98*	
22 13 16 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	15.08	8.04
		For Work In Restricted Working Space, Add	*3.61*	
22 13 16 00-0528	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	20.82	10.69
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0529	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	29.35	14.30
		For Work In Restricted Working Space, Add	*6.43*	
22 13 16 00-0530		**Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)*		
22 13 16 00-0531		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0530)*		
22 13 16 00-0532	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	22.49	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0533	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	28.76	18.15
		For Work In Restricted Working Space, Add	*8.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0534	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	41.30	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0535	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	52.48	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0536	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	115.52	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0537	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	177.57	49.68
		For Work In Restricted Working Space, Add	*22.37*	
22 13 16 00-0538	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	235.22	66.20
		For Work In Restricted Working Space, Add	*29.82*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0530)*

22 13 16 00-0540	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	25.81	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0541	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	30.67	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0542	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	46.21	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0543	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	61.48	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0544	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	98.14	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0545	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	154.73	49.68
		For Work In Restricted Working Space, Add	*22.37*	
22 13 16 00-0546	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	234.81	66.20
		For Work In Restricted Working Space, Add	*29.82*	

22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0548	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	22.76	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0549	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	28.74	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0550	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	40.89	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0551	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	50.48	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0552	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	110.43	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0553	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	165.74	49.68
		For Work In Restricted Working Space, Add	*22.37*	
22 13 16 00-0554	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	200.42	66.20
		For Work In Restricted Working Space, Add	*29.82*	

22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	34.06	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0557	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	43.92	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0558	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	63.00	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0559	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	79.25	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0560	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	172.28	55.30
		For Work In Restricted Working Space, Add	*24.92*	
22 13 16 00-0561	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	227.15	74.47
		For Work In Restricted Working Space, Add	*33.55*	

22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0563	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	38.75	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0564	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	43.19	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0565	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	40.94	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0566	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	53.45	31.53
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0567	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	56.13	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0568	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	61.53	35.44
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0569	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	77.03	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0570	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	89.19	40.56
		For Work In Restricted Working Space, Add	*18.28*	
22 13 16 00-0571	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	162.96	51.03
		For Work In Restricted Working Space, Add	*23.01*	
22 13 16 00-0572	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	396.15	63.81
		For Work In Restricted Working Space, Add	*28.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0573	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	412.23	68.08
		For Work In Restricted Working Space, Add	*30.68*	

22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0575	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	48.96	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0576	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	63.86	36.30
		For Work In Restricted Working Space, Add	*16.36*	
22 13 16 00-0577	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	99.40	48.82
		For Work In Restricted Working Space, Add	*21.98*	
22 13 16 00-0578	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	127.22	56.75
		For Work In Restricted Working Space, Add	*25.56*	

22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0580	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	56.99	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0581	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	77.72	38.59
		For Work In Restricted Working Space, Add	*17.38*	
22 13 16 00-0582	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	87.34	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0583	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	121.48	46.53
		For Work In Restricted Working Space, Add	*20.96*	
22 13 16 00-0584	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	132.26	52.74
		For Work In Restricted Working Space, Add	*23.77*	

22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0530)*

22 13 16 00-0586	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	26.64	16.19
		For Work In Restricted Working Space, Add	*7.28*	
22 13 16 00-0587	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	36.51	19.25
		For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0588	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	38.27	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0589	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	47.43	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0590	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	52.68	26.42
		For Work In Restricted Working Space, Add	*11.89*	
22 13 16 00-0591	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	112.01	30.67
		For Work In Restricted Working Space, Add	*13.80*	
22 13 16 00-0592	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	102.00	32.64
		For Work In Restricted Working Space, Add	*14.70*	
22 13 16 00-0593	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	204.03	39.03
		For Work In Restricted Working Space, Add	*17.57*	
22 13 16 00-0594	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	184.64	43.28
		For Work In Restricted Working Space, Add	*19.49*	
22 13 16 00-0595	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	240.27	51.55
		For Work In Restricted Working Space, Add	*23.22*	
22 13 16 00-0596	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	209.17	57.94
		For Work In Restricted Working Space, Add	*26.09*	

22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0530)*

22 13 16 00-0598	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	36.09	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0599	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	46.53	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0600	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	83.02	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0601	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	130.73	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0602	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	201.23	55.30
		For Work In Restricted Working Space, Add	*24.92*	

22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0530)*

22 13 16 00-0604	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	50.53	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0605	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	45.16	26.42
		For Work In Restricted Working Space, Add	*11.89*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0530)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	36.18	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	45.15	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	64.57	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	81.81	42.60
		For Work In Restricted Working Space, Add	*19.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	162.65	55.30
		For Work In Restricted Working Space, Add	*24.92*	
22 13 16 00-0612	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	208.85	74.47
		For Work In Restricted Working Space, Add	*33.55*	
22 13 16 00-0613	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	276.42	99.27
		For Work In Restricted Working Space, Add	*44.73*	
22 13 16 00-0614		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0530)*		
22 13 16 00-0615	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	42.47	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0616	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	45.40	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0617	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	59.03	31.53
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0618	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	57.70	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0619	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	71.90	35.44
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0620	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	70.62	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0621	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	77.72	40.56
		For Work In Restricted Working Space, Add	*18.28*	
22 13 16 00-0622	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	145.89	49.08
		For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0623	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	169.01	51.03
		For Work In Restricted Working Space, Add	*23.01*	
22 13 16 00-0624	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	179.01	63.81
		For Work In Restricted Working Space, Add	*28.76*	
22 13 16 00-0625	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	211.05	68.08
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0626	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	214.40	80.35
		For Work In Restricted Working Space, Add	*36.21*	
22 13 16 00-0627	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	248.65	84.61
		For Work In Restricted Working Space, Add	*38.13*	
22 13 16 00-0628	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	280.48	91.00
		For Work In Restricted Working Space, Add	*41.00*	
22 13 16 00-0629		**Polyvinyl Chloride (PVC) DWV Double Wyes** *(22 13 16 00-0530)*		
22 13 16 00-0630	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	51.60	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0631	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	66.10	36.30
		For Work In Restricted Working Space, Add	*16.36*	
22 13 16 00-0632	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	103.15	48.82
		For Work In Restricted Working Space, Add	*21.98*	
22 13 16 00-0633	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	145.78	56.75
		For Work In Restricted Working Space, Add	*25.56*	
22 13 16 00-0634	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	247.94	73.79
		For Work In Restricted Working Space, Add	*33.23*	
22 13 16 00-0635	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	303.93	99.35
		For Work In Restricted Working Space, Add	*44.73*	
22 13 16 00-0636	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	445.50	132.41
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0637		**Polyvinyl Chloride (PVC) DWV Reducing Double Wyes** *(22 13 16 00-0530)*		
22 13 16 00-0638	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	59.13	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0639	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	84.16	38.59
		For Work In Restricted Working Space, Add	*17.38*	
22 13 16 00-0640	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	86.15	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0641	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	106.18	46.53
		For Work In Restricted Working Space, Add	*20.96*	
22 13 16 00-0642	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	127.20	52.74
		For Work In Restricted Working Space, Add	*23.77*	
22 13 16 00-0643	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	176.77	65.26
		For Work In Restricted Working Space, Add	*29.40*	
22 13 16 00-0644	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	208.88	78.05
		For Work In Restricted Working Space, Add	*35.15*	
22 13 16 00-0645	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	250.53	86.57
		For Work In Restricted Working Space, Add	*38.98*	
22 13 16 00-0646	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	268.47	94.58
		For Work In Restricted Working Space, Add	*42.60*	
22 13 16 00-0647	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	324.92	103.09
		For Work In Restricted Working Space, Add	*46.43*	
22 13 16 00-0648	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	382.36	115.87
		For Work In Restricted Working Space, Add	*52.19*	
22 13 16 00-0649		**Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends** *(22 13 16 00-0530)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0650	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	38.81	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0651	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	49.26	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0652	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	76.93	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0653	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	109.53	42.60
		For Work In Restricted Working Space, Add	*19.17*	

22 13 16 00-0654 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends

(22 13 16 00-0530)

22 13 16 00-0655	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	55.23	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0656	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	77.37	31.53
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0657	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	69.07	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0658	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	98.06	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0659	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	106.23	40.56
		For Work In Restricted Working Space, Add	*18.28*	

22 13 16 00-0660 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0661	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	53.64	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0662	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	66.33	36.30
		For Work In Restricted Working Space, Add	*16.36*	
22 13 16 00-0663	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	93.76	48.82
		For Work In Restricted Working Space, Add	*21.98*	
22 13 16 00-0664	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	193.18	56.75
		For Work In Restricted Working Space, Add	*25.56*	
22 13 16 00-0665	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	502.74	73.79
		For Work In Restricted Working Space, Add	*33.23*	

22 13 16 00-0666 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0667	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	84.70	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0668	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	125.12	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0669	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	183.95	46.53
		For Work In Restricted Working Space, Add	*20.96*	
22 13 16 00-0670	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	179.08	52.74
		For Work In Restricted Working Space, Add	*23.77*	
22 13 16 00-0671	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	354.07	65.26
		For Work In Restricted Working Space, Add	*29.40*	

22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0530)*

22 13 16 00-0673	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	61.01	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0674	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	93.38	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0675	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	130.74	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0676	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	277.28	55.30
		For Work In Restricted Working Space, Add	*24.92*	
22 13 16 00-0677	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	353.62	74.47
		For Work In Restricted Working Space, Add	*33.55*	
22 13 16 00-0678	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	469.82	99.27
		For Work In Restricted Working Space, Add	*44.73*	

22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0530)*

22 13 16 00-0680	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	24.79	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0681	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	32.87	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0682	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	45.27	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0683	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	62.89	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0684	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	111.07	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0685	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	210.34	49.68
		For Work In Restricted Working Space, Add	*22.37*	
22 13 16 00-0686	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	357.67	66.20
		For Work In Restricted Working Space, Add	*29.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0687		**Polyvinyl Chloride (PVC) Couplings** *(22 13 16 00-0530)*		
22 13 16 00-0688	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	22.34	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0689	EA	2" Polyvinyl Chloride (PVC) Couplings	28.42	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) Couplings	39.60	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) Couplings	47.47	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) Couplings	82.24	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) Couplings	152.14	49.68
		For Work In Restricted Working Space, Add	*22.37*	
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) Couplings	219.65	66.20
		For Work In Restricted Working Space, Add	*29.82*	
22 13 16 00-0695		**Polyvinyl Chloride (PVC) Male Adapters** *(22 13 16 00-0530)*		
22 13 16 00-0696	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	11.69	7.07
		For Work In Restricted Working Space, Add	*3.20*	
22 13 16 00-0697	EA	2" Polyvinyl Chloride (PVC) Male Adapters	16.20	9.12
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0698	EA	3" Polyvinyl Chloride (PVC) Male Adapters	25.43	12.19
		For Work In Restricted Working Space, Add	*5.50*	
22 13 16 00-0699	EA	4" Polyvinyl Chloride (PVC) Male Adapters	37.61	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0700		**Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)*		
		Note: In place piping.		
22 13 16 00-0701	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.25	
22 13 16 00-0702	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.87	
22 13 16 00-0703	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.75	
22 13 16 00-0704	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.80	
22 13 16 00-0705	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.87	
22 13 16 00-0706	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.49	
22 13 16 00-0707	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	27.49	
22 13 16 00-0708		**Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation.		
22 13 16 00-0709		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies** *(22 13 16 00-0708)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.65	3.58
		For Work In Restricted Working Space, Add	*4.90*	
22 13 16 00-0711	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.56	4.26
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0712	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.14	6.14
		For Work In Restricted Working Space, Add	*6.74*	
22 13 16 00-0713	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.31	6.64
		For Work In Restricted Working Space, Add	*7.49*	
22 13 16 00-0714	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	41.28	8.52
		For Work In Restricted Working Space, Add	*9.96*	
22 13 16 00-0715		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0708)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.77	3.58
		For Work In Restricted Working Space, Add	*1.60*	
22 13 16 00-0717	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.99	4.26
		For Work In Restricted Working Space, Add	*1.91*	
22 13 16 00-0718	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.42	6.14
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0719	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	11.74	6.64
		For Work In Restricted Working Space, Add	*2.98*	
22 13 16 00-0720	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	15.70	8.04
		For Work In Restricted Working Space, Add	*3.61*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0721		Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0708)*		
22 13 16 00-0722		Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0721)*		
22 13 16 00-0723	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	23.23	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0724	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	30.00	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0725	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	45.11	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0726	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	59.19	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0727	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	117.29	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0728		Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0721)*		
22 13 16 00-0729	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	25.89	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0730	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	32.60	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0731	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	51.56	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0732	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	72.03	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0733		Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0721)*		
22 13 16 00-0734	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	23.59	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0735	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	29.75	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0736	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	43.78	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0737	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	56.74	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0738	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	119.86	36.89
		For Work In Restricted Working Space, Add	*16.61*	
22 13 16 00-0739		Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0721)*		
22 13 16 00-0740	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	35.23	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0741	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	45.82	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0742	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	67.50	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0743	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	88.01	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0744	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	213.72	55.30
		For Work In Restricted Working Space, Add	*24.92*	
22 13 16 00-0745		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0721)*		
22 13 16 00-0746	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	40.15	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0747	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	45.25	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0748	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	42.64	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0749	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	56.87	31.53
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0750	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	59.94	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0751	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	88.00	35.44
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0752	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	88.67	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0753	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	98.95	40.56
		For Work In Restricted Working Space, Add	*18.28*	
22 13 16 00-0754	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	222.75	51.03
		For Work In Restricted Working Space, Add	*23.01*	
22 13 16 00-0755		Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0721)*		
22 13 16 00-0756	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	52.55	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0757	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	69.06	36.30
		For Work In Restricted Working Space, Add	*16.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0758	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	114.05	48.82
		For Work In Restricted Working Space, Add	*21.98*	
22 13 16 00-0759	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	150.56	56.75
		For Work In Restricted Working Space, Add	*25.56*	

22 13 16 00-0760 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0721)*

22 13 16 00-0761	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	59.85	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0762	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	78.72	38.59
		For Work In Restricted Working Space, Add	*17.38*	
22 13 16 00-0763	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	88.50	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0764	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	120.06	43.88
		For Work In Restricted Working Space, Add	*19.77*	
22 13 16 00-0765	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	130.39	49.75
		For Work In Restricted Working Space, Add	*22.42*	

22 13 16 00-0766 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0721)*

22 13 16 00-0767	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	38.54	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0768	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	47.67	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0769	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	69.94	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0770	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	91.83	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0771	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	185.51	55.30
		For Work In Restricted Working Space, Add	*24.92*	

22 13 16 00-0772 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0721)*

22 13 16 00-0773	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	46.69	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0774	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	49.56	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0775	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	61.91	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0776	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	78.67	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0777	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	87.13	40.56
		For Work In Restricted Working Space, Add	*18.28*	
22 13 16 00-0778	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	161.32	51.03
		For Work In Restricted Working Space, Add	*23.01*	

22 13 16 00-0779 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes *(22 13 16 00-0721)*

22 13 16 00-0780	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	56.62	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0781	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	72.58	36.30
		For Work In Restricted Working Space, Add	*16.36*	
22 13 16 00-0782	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	119.90	48.82
		For Work In Restricted Working Space, Add	*21.98*	
22 13 16 00-0783	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	179.68	56.75
		For Work In Restricted Working Space, Add	*25.56*	

22 13 16 00-0784 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0721)*

22 13 16 00-0785	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	65.05	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0786	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	90.83	38.59
		For Work In Restricted Working Space, Add	*17.38*	
22 13 16 00-0787	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	98.53	42.60
		For Work In Restricted Working Space, Add	*19.17*	
22 13 16 00-0788	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	126.51	46.53
		For Work In Restricted Working Space, Add	*20.96*	
22 13 16 00-0789	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	154.05	52.74
		For Work In Restricted Working Space, Add	*23.77*	

22 13 16 00-0790 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0791	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	42.48	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0792	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	54.59	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0793	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	77.51	36.64
		For Work In Restricted Working Space, Add	*16.49*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0794	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	104.55	40.18
		For Work In Restricted Working Space, Add	*18.08*	

22 13 16 00-0795 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0796	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	49.00	25.22
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0797	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	73.54	31.53
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0798	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	66.67	33.48
		For Work In Restricted Working Space, Add	*15.08*	
22 13 16 00-0799	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	92.78	37.49
		For Work In Restricted Working Space, Add	*16.87*	
22 13 16 00-0800	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	100.49	40.56
		For Work In Restricted Working Space, Add	*18.28*	

22 13 16 00-0801 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0802	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	79.32	36.30
		For Work In Restricted Working Space, Add	*16.36*	
22 13 16 00-0803	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	130.42	48.82
		For Work In Restricted Working Space, Add	*21.98*	

22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0805	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	68.51	32.38
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0806	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	120.09	42.60
		For Work In Restricted Working Space, Add	*19.17*	

22 13 16 00-0807 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0721)*

22 13 16 00-0808	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	44.34	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0809	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	56.44	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0810	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	81.66	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0811	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	113.82	42.60
		For Work In Restricted Working Space, Add	*19.17*	

22 13 16 00-0812 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0721)*

22 13 16 00-0813	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	25.56	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0814	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	34.11	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0815	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	47.17	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0816	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	67.40	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0817	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	123.46	36.89
		For Work In Restricted Working Space, Add	*16.61*	

22 13 16 00-0818 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0721)*

22 13 16 00-0819	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	22.77	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0820	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	28.80	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0821	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	40.84	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0822	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	49.52	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0823	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	89.59	36.89
		For Work In Restricted Working Space, Add	*16.61*	

22 13 16 00-0824 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0721)*

22 13 16 00-0825	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	27.99	16.19
		For Work In Restricted Working Space, Add	*7.28*	
22 13 16 00-0826	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	40.73	19.25
		For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0827	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	41.81	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0828	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	54.39	23.26
		For Work In Restricted Working Space, Add	*10.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0829	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	59.98	26.42
		For Work In Restricted Working Space, Add	*11.89*	

22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0721)*

22 13 16 00-0831	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	39.14	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0832	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	52.54	27.26
		For Work In Restricted Working Space, Add	*12.27*	
22 13 16 00-0833	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	108.30	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 13 16 00-0834	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	173.18	42.60
		For Work In Restricted Working Space, Add	*19.17*	

22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0721)*

22 13 16 00-0836	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	52.64	28.37
		For Work In Restricted Working Space, Add	*12.78*	
22 13 16 00-0837	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	49.04	26.42
		For Work In Restricted Working Space, Add	*11.89*	

22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0721)*

22 13 16 00-0839	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	12.52	7.07
		For Work In Restricted Working Space, Add	*3.20*	
22 13 16 00-0840	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	16.95	9.12
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0841	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	27.97	12.19
		For Work In Restricted Working Space, Add	*5.50*	
22 13 16 00-0842	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	42.65	14.23
		For Work In Restricted Working Space, Add	*6.39*	

22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0721)*

22 13 16 00-0844	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	25.82	16.19
		For Work In Restricted Working Space, Add	*7.28*	
22 13 16 00-0845	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	37.30	19.25
		For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0846	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	37.24	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0847	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	54.12	23.26
		For Work In Restricted Working Space, Add	*10.48*	
22 13 16 00-0848	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	50.74	26.42
		For Work In Restricted Working Space, Add	*11.89*	
22 13 16 00-0849	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	89.82	30.78
		For Work In Restricted Working Space, Add	*13.86*	

22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0721)*

22 13 16 00-0851	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	38.35	14.23
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0852	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	45.44	18.15
		For Work In Restricted Working Space, Add	*8.18*	
22 13 16 00-0853	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	55.95	24.36
		For Work In Restricted Working Space, Add	*10.99*	
22 13 16 00-0854	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	63.05	28.37
		For Work In Restricted Working Space, Add	*12.78*	

22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0708)

Note: In place piping.

22 13 16 00-0856	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.25	
22 13 16 00-0857	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.87	
22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.75	
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.80	
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.87	

22 13 16 00-0861 Elastomeric Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0861)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.

22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	10.67	3.70
		For Work In Restricted Working Space, Add	*2.22*	
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	11.49	3.93
		For Work In Restricted Working Space, Add	*2.36*	
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	12.08	4.16
		For Work In Restricted Working Space, Add	*2.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	13.86	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	15.60	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 13 16 00-0868	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	19.67	4.86
		For Work In Restricted Working Space, Add	*2.92*	
22 13 16 00-0869	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	23.76	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0870	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	32.00	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 13 16 00-0871	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling	42.00	6.48
		For Work In Restricted Working Space, Add	*3.89*	

22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0861)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.

22 13 16 00-0873	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	11.36	3.93
		For Work In Restricted Working Space, Add	*2.36*	
22 13 16 00-0874	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	12.30	4.16
		For Work In Restricted Working Space, Add	*2.50*	
22 13 16 00-0875	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	14.91	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 13 16 00-0876	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	13.48	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 13 16 00-0877	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	18.18	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 13 16 00-0878	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	17.45	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 13 16 00-0879	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	16.09	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 13 16 00-0880	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	22.86	4.86
		For Work In Restricted Working Space, Add	*2.92*	
22 13 16 00-0881	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	20.78	4.86
		For Work In Restricted Working Space, Add	*2.92*	
22 13 16 00-0882	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	28.05	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0883	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	24.95	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0884	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	25.81	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 13 16 00-0885	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	50.48	9.25
		For Work In Restricted Working Space, Add	*5.55*	
22 13 16 00-0886	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	41.87	9.25
		For Work In Restricted Working Space, Add	*5.55*	
22 13 16 00-0887	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling	52.63	10.41
		For Work In Restricted Working Space, Add	*6.25*	

22 13 16 00-0888 Elastomeric Flexible Pipe Caps *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.

22 13 16 00-0889	EA	1-1/2" Elastomeric Flexible Pipe Cap	40.49	25.00
22 13 16 00-0890	EA	2" Elastomeric Flexible Pipe Cap	43.40	26.57
22 13 16 00-0891	EA	3" Elastomeric Flexible Pipe Cap	50.21	30.45
22 13 16 00-0892	EA	4" Elastomeric Flexible Pipe Cap	66.27	40.27
22 13 16 00-0893	EA	5" Elastomeric Flexible Pipe Cap	79.41	48.14
22 13 16 00-0894	EA	6" Elastomeric Flexible Pipe Cap	91.66	55.54
22 13 16 00-0895	EA	8" Elastomeric Flexible Pipe Cap	122.39	70.35

22 13 16 00-0896 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess *(22 13 16)*

Note: Josam 26450 Series.

22 13 16 00-0897	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	66.79	19.17
22 13 16 00-0898	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	71.05	21.31
22 13 16 00-0899	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	104.15	27.70
22 13 16 00-0900	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	121.83	31.95
22 13 16 00-0901	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	141.51	36.21
22 13 16 00-0902	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	227.25	40.48

22 13 16 00-0903 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess *(22 13 16)*

Note: Josam 26440 Series

22 13 16 00-0904	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	126.74	19.17
22 13 16 00-0905	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	131.00	21.31
22 13 16 00-0906	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	156.99	27.70
22 13 16 00-0907	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	194.98	31.95
22 13 16 00-0908	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	262.43	36.21
22 13 16 00-0909	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	270.95	40.48

22 13 16 00-0910 Cast Iron Vandal Proof Hooded Vent Cap *(22 13 16)*

Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0911	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	233.42	19.17
22 13 16 00-0912	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	237.68	21.31
22 13 16 00-0913	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	274.85	27.70
22 13 16 00-0914	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	309.79	31.95
22 13 16 00-0915	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	360.99	36.21
22 13 16 00-0916	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	394.91	40.48

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top	335.06	91.60
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	6" Round Top Floor Drain With 2" Outlet, Bronze Top	370.79	102.67
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	6" Round Top Floor Drain With 3" Outlet, Bronze Top	379.11	113.58
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	6" Round Top Floor Drain With 4" Outlet, Bronze Top	402.51	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	9" Round Top Floor Drain With 2" Outlet, Cast Iron Top	350.21	102.67
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0007	EA	9" Round Top Floor Drain With 3" Outlet, Cast Iron Top	372.11	113.58
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	9" Round Top Floor Drain With 4" Outlet, Cast Iron Top	395.51	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0009	EA	9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	494.41	102.67
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	516.31	113.58
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	539.71	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0012	EA	9" Round Top Floor Drain With 2" Outlet, Bronze Top	473.41	102.67
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0013	EA	9" Round Top Floor Drain With 3" Outlet, Bronze Top	495.19	113.58
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	9" Round Top Floor Drain With 4" Outlet, Bronze Top	518.71	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0015	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	506.91	102.59
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	528.79	113.58
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	552.31	125.33
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	722.51	102.59
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	744.39	113.58
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0020	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	767.91	125.33
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0021	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top	693.81	102.59
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0022	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top	715.69	113.58
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top	739.21	125.33
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	390.01	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	412.13	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	435.41	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	411.01	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	433.13	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	456.41	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	503.41	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	525.53	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	548.81	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	374.61	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	396.73	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	420.01	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	401.21	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	423.33	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	446.61	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	476.11	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	498.23	113.66
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	521.51	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	1,038.63	113.66
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	1,061.91	125.33
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	1,266.83	113.66
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	1,290.11	125.33
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	1,239.53	113.66
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	1,262.81	125.33
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	509.01	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	531.13	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	554.41	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	617.51	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	639.63	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	662.91	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	642.71	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	664.83	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	688.11	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	838.01	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	860.13	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	883.41	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	486.61	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	508.73	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	532.01	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	579.01	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	601.13	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	624.41	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	604.21	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	626.33	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	649.61	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	763.11	102.59
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	785.23	113.66
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	808.51	125.33
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	473.74	91.60
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	495.71	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	517.59	113.58
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	541.11	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	653.21	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	675.09	113.58
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	698.61	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	625.91	102.59
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	647.79	113.58
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	671.31	125.33
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	874.06	91.60
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	896.11	102.59
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	917.99	113.58
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	941.51	125.33
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	965.75	137.44
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	949.31	102.59
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	971.43	113.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	994.71	125.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	1,018.95	137.44
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	633.61	102.59
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	655.73	113.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	679.01	125.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	703.25	137.44
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	894.71	102.59
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	916.83	113.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	940.11	125.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	964.35	137.44
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	32.53	9.25
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	35.79	9.25
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	76.25	18.51
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	94.98	18.51

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	476.46	91.60
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	498.51	102.59
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	520.39	113.58
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	197.67	61.77
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	210.45	68.16
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	197.67	61.77
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	210.45	68.16
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	197.67	61.77
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	210.45	68.16
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	197.67	61.77
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	210.45	68.16
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100)	267.64	68.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0122		Floor Receptor *(22 13 19 13)*		
22 13 19 13-0123		9" Diameter Round Shallow Receptor *(22 13 19 13-0122)* Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	572.15	102.67
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	594.38	113.75
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	617.41	125.33
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)* Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	636.84	91.60
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	658.91	102.67
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	680.69	113.58
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	704.21	125.33
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	67.58	10.65
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	56.01	10.65
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	60.64	10.65
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	72.21	10.65
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	65.27	10.65
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	90.90	10.65
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	100.21	10.65
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	123.33	10.65

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	766.33	63.91
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,286.21*	
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	891.96	143.78
		For Flange And Clamp Device, Add	*356.02*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,357.23*	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,249.78	159.76
		For Flange And Clamp Device, Add	*366.67*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,481.68*	
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,503.30	175.73
		For Flange And Clamp Device, Add	*377.32*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,600.70*	
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	1,681.28	191.72
		For Flange And Clamp Device, Add	*418.37*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,665.00*	
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	2,060.41	223.67
		For Flange And Clamp Device, Add	*450.87*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,829.43*	
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	2,674.55	255.62
		For Flange And Clamp Device, Add	*513.13*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,946.82*	
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	5,179.58	287.57
		For Flange And Clamp Device, Add	*735.71*	
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	5,840.58	333.68
		For Flange And Clamp Device, Add	*830.45*	
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	7,242.22	533.88
		For Flange And Clamp Device, Add	*1,123.93*	
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	10,363.43	667.35
		For Flange And Clamp Device, Add	*1,342.19*	
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	12,095.74	800.83
		For Flange And Clamp Device, Add	*1,744.13*	
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	15,685.37	934.29
		For Flange And Clamp Device, Add	*2,070.87*	
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	20,251.42	1,067.77
		For Flange And Clamp Device, Add	*2,433.13*	
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	2,136.40	175.73
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	2,747.46	223.67
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	4,490.70	255.62
22 13 19 26-0021		Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,867.85	63.91
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,286.21*	
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,194.12	143.78
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,357.23*	
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,346.50	159.76
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,481.68*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,856.62	175.73
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,600.70*	
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,436.27	191.72
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,665.00*	
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,562.41	223.67
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,829.43*	
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	4,066.64	255.62
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,946.82*	
22 13 19 26-0030		Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,758.25	223.67
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)* Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 20 Greasestopper.	4,101.64	175.73
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,757.20	191.72
22 13 19 26-0035		Precast Concrete Grease Interceptor *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA	1,000 Gallon Pre-Cast Grease Interceptor	4,725.49	298.27
22 13 19 26-0037	EA	1,250 Gallon Pre-Cast Grease Interceptor	5,414.38	298.27
22 13 19 26-0038	EA	1,500 Gallon Pre-Cast Grease Interceptor	6,144.80	340.99
22 13 19 26-0039	EA	2,000 Gallon Pre-Cast Grease Interceptor	6,975.67	481.56
22 13 19 26-0040	EA	2,500 Gallon Pre-Cast Grease Interceptor	7,835.01	647.90
22 13 19 26-0041	EA	4,000 Gallon Pre-Cast Grease Interceptor	11,773.28	852.43
22 13 19 26-0042	EA	5,000 Gallon Pre-Cast Grease Interceptor	15,059.97	1,397.84
22 13 19 26-0043		Coated Steel Manual Oil Interceptor *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,865.19	243.45
22 13 19 26-0045	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,841.99	289.27
22 13 19 26-0046	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,654.51	355.92
22 13 19 26-0047	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,055.05	385.54
22 13 19 26-0048	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,047.65	420.72
22 13 19 26-0049	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,930.51	462.83
22 13 19 26-0050	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,196.90	532.54
22 13 19 26-0051	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,461.57	655.24
22 13 19 26-0052	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,712.75	710.19
22 13 19 26-0053	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	24,723.10	852.05
22 13 19 26-0054	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	28,490.17	915.96
22 13 19 26-0055	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	35,861.55	1,092.34
22 13 19 26-0056	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	43,107.93	895.09
22 13 19 26-0057	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	51,068.40	1,065.07
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	231.02	24.46
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	240.39	30.76
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	344.63	40.90
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	894.02	56.18
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,096.35	73.94
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	3,098.83	91.22
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	3,519.36	118.30
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	581.99	58.32
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	872.56	70.72
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,082.50	91.17
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,496.41	102.07
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,057.41	120.96
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,507.86	92.28
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,553.53	122.70
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,243.44	151.17
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,269.71	168.53
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	91.31	30.76
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	111.19	40.90
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	296.90	56.18
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	210.56	61.52
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	280.38	81.80
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	470.46	112.35
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	131.70	11.93
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	156.50	11.93
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		Sediment Bucket Solids Interceptors *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	742.65	120.66
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	743.53	120.66
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,030.21	120.66
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,030.21	120.66
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,095.11	120.66
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	294.98	41.28
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	300.26	43.97
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0010		Sediment Strainers *(22 13 23)*		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	125.85	56.40
22 13 29		**Sanitary Sewerage Pumps** *(22 13)* Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		
22 13 29 13-0001		Vertical Non-Clog Sewage Pumps *(22 13 29 13)*		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,480.34	1,022.12
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,630.07	1,022.12
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,779.80	1,022.12
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,922.63	1,022.12
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	4,894.98	1,022.12

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	4,952.58	1,022.12
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	4,992.89	1,022.12
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,269.32	1,022.12
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,539.99	1,022.12
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,954.64	1,022.12
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,369.29	1,022.12
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	7,460.14	1,360.23
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,183.55	1,022.12
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,183.55	1,022.12
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,283.32	1,022.12
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,057.52	1,022.12
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,193.32	1,022.12
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	7,507.91	1,360.23
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	7,853.45	1,360.23
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	519.49	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	623.75	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	697.18	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	709.88	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	796.91	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	501.36	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	476.04	34.09
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	527.17	38.34
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	730.42	51.12
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,052.45	59.65
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,127.10	61.77
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,204.22	63.91
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,531.56	76.69
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	2,064.83	85.21
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	2,618.31	106.51
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,318.92	117.15
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
		Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0003	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	509.16	62.02
22 13 29 16-0004	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	659.59	62.02
22 13 29 16-0005	EA	1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	795.39	77.53
22 13 29 16-0006		Submersible Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0007	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	749.93	62.02
22 13 29 16-0008	EA	1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	918.28	77.53
22 13 29 16-0009	EA	1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,121.02	124.97
22 13 29 16-0010	EA	2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,237.58	152.73
22 13 29 16-0011		Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*		
22 13 29 16-0012	EA	1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,604.73	77.53
22 13 29 16-0013	EA	1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,782.64	124.79
22 13 29 16-0014	EA	2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,298.94	152.52
22 13 29 16-0015	EA	3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,674.51	184.87

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0016	EA	5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,116.78	217.23
22 13 29 16-0017	EA	7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,260.09	249.58

22 13 29 16-0018 Submersible Sewage Pumps Accessories *(22 13 29 16)*

22 13 29 16-0019	EA	Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, and single control float switches.	301.64	68.62
22 13 29 16-0020	EA	Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	695.69	91.50
22 13 29 16-0021	EA	Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	898.81	91.50
22 13 29 16-0022	EA	Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	1,005.43	114.37
22 13 29 16-0023	EA	High-water Alarm For Submersible Sewage Pump	231.13	45.75
22 13 29 16-0024	EA	Float Switch For Submersible Sewage Pump	87.82	22.88
22 13 29 16-0025	EA	Rail System With 2" Discharge For Submersible Sewage Pump	431.13	68.62

22 13 29 33 Sewerage Pump Basins And Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	109.32	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	140.81	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	316.58	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	443.35	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	570.13	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	662.87	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	192.74	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	374.56	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	659.99	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	881.97	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,014.10	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,071.22	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,255.15	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,456.03	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	487.72	142.04
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	558.72	170.41
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	629.73	213.01
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	823.74	255.62
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	859.24	283.99
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	974.51	298.22
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,214.19	308.87
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0010		**Cast Iron Roof Drains With Expansion Joint** *(22 14 26 13-0001)*		
		Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	678.12	142.04
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	762.42	170.41
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	859.33	213.01
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,157.64	255.62
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	1,241.44	283.99
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0016		**Cast Iron Roof Drains With Flat Bronze Promenade Top** *(22 14 26 13-0001)*		
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	865.72	142.04
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	936.72	170.41
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	1,007.73	213.01
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	1,196.14	255.62
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	1,231.64	283.99
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0022		**Cast Iron Scupper Drain With L-Shaped Bronze Grate** *(22 14 26 13-0001)*		
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	521.01	56.83
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*49.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	549.41	70.98
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*49.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	562.32	77.45
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	784.21	102.67
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	829.51	125.33
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	
22 14 26 13-0028		Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*		
		Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	519.92	142.04
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	590.92	170.41
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	661.93	213.01
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	
22 14 26 13-0032		Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*		
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	547.92	142.04
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	618.92	170.41
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	689.93	213.01
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	883.94	255.62
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	919.44	283.99
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	1,034.71	298.22
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	1,274.39	308.87
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0040		Aluminum Roof Drains *(22 14 26 13)*		
22 14 26 13-0041		Aluminum Dome Roof Drains *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	558.42	142.04
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	629.42	170.41
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	700.43	213.01
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	929.94	283.74
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	1,045.37	298.22
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	1,284.89	308.87
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Copolymer Retrofit Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	569.40	170.41
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	648.66	213.01
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	788.15	255.62
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	856.63	283.74
22 14 26 13-0054		Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	643.61	170.41
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	719.57	213.01
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	864.01	255.62
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	909.40	283.74
22 14 26 13-0059		Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	572.70	170.41
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	651.96	213.01
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	791.45	255.62
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	833.55	283.74
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	331.72	85.21
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	331.72	85.21
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	331.72	85.21
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	503.45	106.51
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	503.45	106.51
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	638.67	106.51
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	949.31	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	971.43	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	994.71	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,018.95	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	633.61	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	655.73	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	679.01	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	703.25	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	894.71	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	916.83	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	940.11	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	964.35	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,783.71	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,805.83	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,829.11	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,853.35	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	936.71	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	958.83	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	982.11	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,006.35	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,697.61	102.59
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,719.73	113.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,743.01	125.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,767.25	137.44
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	494.31	102.59
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	516.43	113.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	539.71	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	350.11	102.59
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	372.23	113.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	395.51	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	473.31	102.59
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	495.43	113.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	518.71	125.33
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,231.41	102.59
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,253.53	113.66
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,276.81	125.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	845.71	102.59
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	867.83	113.66
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	891.11	125.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,164.21	102.59
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,186.33	113.66
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,209.61	125.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	

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

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	695.31	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	717.43	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	740.71	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	442.19	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	464.31	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	487.59	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	660.82	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	682.94	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	706.22	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	592.28	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	339.16	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	557.79	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,074.15	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,096.27	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,119.55	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	760.95	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	783.07	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	806.35	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,031.32	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,053.44	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,076.72	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	907.26	102.59
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	929.38	113.66
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	952.66	125.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	971.11	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	657.91	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	928.28	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	804.22	51.12
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

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

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

Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	3,069.69	247.21
		For Explosion Proof Motor, Add	*239.83*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	3,291.87	299.22
		For Explosion Proof Motor, Add	*266.62*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	3,778.38	355.47
		For Explosion Proof Motor, Add	*344.44*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	4,101.56	437.31
		For Explosion Proof Motor, Add	*390.36*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	4,347.93	473.97
		For Explosion Proof Motor, Add	*570.24*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	5,164.29	568.59
		For Explosion Proof Motor, Add	*646.78*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	5,910.06	577.24
		For Explosion Proof Motor, Add	*1,060.11*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	7,226.96	708.52
		For Explosion Proof Motor, Add	*1,407.10*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	7,882.97	826.31
		For Explosion Proof Motor, Add	*1,824.25*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	10,431.79	991.93
		For Explosion Proof Motor, Add	*2,376.63*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	14,097.23	1,101.76
		For Explosion Proof Motor, Add	*3,767.14*	

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

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	442.12	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	483.78	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	519.49	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	635.61	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	710.45	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	709.88	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	812.07	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	888.60	

22 14 29 13-0022 Float Switch *(22 14 29 13)*

22 14 29 13-0023	EA	For Float Switch Copper Coated Float, General Purpose	529.05	26.84
22 14 29 13-0024	EA	For Float Switch Copper Coated Float, Weathertight	553.07	26.84
22 14 29 13-0025	EA	For Float Switch Copper Coated Float, Explosion Proof	564.15	26.84

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0026		Support Plate *(22 14 29 13)*		
22 14 29 13-0027	EA	24" Steel Support Plate, Round Or Square	476.04	34.09
22 14 29 13-0028	EA	30" Steel Support Plate, Round Or Square	527.17	38.34
22 14 29 13-0029	EA	36" Steel Support Plate, Round Or Square	730.42	51.12
22 14 29 13-0030	EA	40" Steel Support Plate, Round Or Square	1,052.45	59.65
22 14 29 13-0031	EA	42" Steel Support Plate, Round Or Square	1,127.10	61.77
22 14 29 13-0032	EA	48" Steel Support Plate, Round Or Square	1,204.13	63.91
22 14 29 13-0033	EA	54" Steel Support Plate, Round Or Square	1,531.56	76.69
22 14 29 13-0034	EA	60" Steel Support Plate, Round Or Square	2,064.83	85.21
22 14 29 13-0035	EA	72" Steel Support Plate, Round Or Square	2,753.81	106.51
22 14 29 13-0036	EA	84" Steel Support Plate, Round Or Square	3,318.92	117.15
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
		Note: Includes 25' of cord with pumps unless otherwise noted.		
22 14 29 16-0001		Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*		
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	296.10	55.54
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	324.99	55.54
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	461.16	58.78
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	494.90	58.78
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	715.03	58.78
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	773.22	58.78
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	814.52	64.79
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	874.74	64.79
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	917.98	74.06
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	978.21	74.06
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	994.88	87.94
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,044.52	87.94
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	698.99	55.54
22 14 29 16-0018	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	796.41	58.78
22 14 29 16-0019	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	944.70	62.02
22 14 29 16-0020	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	998.03	64.79
22 14 29 16-0021	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,138.56	74.06
22 14 29 16-0022	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,326.48	87.94
22 14 29 19		**Sump-Pump Basins and Pits** *(22 14 29)*		
		See CSI section 22 13 29 33-0000 for basins and pits.		
22 15		General Service Compressed-Air Systems *(22 10)*		
22 15 13		**General Service Compressed-Air Piping** *(22 15)*		
22 15 13 00-0001		Quick Disconnect, Air-Service *(22 15 13)*		
22 15 13 00-0002		Combination Steel And Brass *(22 15 13 00-0001)*		
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	40.77	12.96
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	45.00	15.73
22 15 13 00-0005		Refrigerated Air Dryers With Ambient Air Filters *(22 15 13)*		
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	649.31	72.36
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	739.78	74.36
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	945.56	76.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,102.15	80.40
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,226.00	90.45
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,360.80	102.91
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,930.63	130.64
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,170.56	152.75
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,360.17	163.20
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,564.54	180.89
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,888.74	200.99
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,215.82	221.09
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,382.95	245.21
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,949.25	261.28
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,765.12	271.34
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,634.32	281.39
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,265.08	291.43
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,824.92	301.49
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	7,630.61	321.58
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,912.96	401.98
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,276.51	482.37
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,558.88	562.77
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,779.72	643.17
22 15 13 00-0029		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator	612.89	29.64
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator	821.97	34.73
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator	960.97	39.36
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator	1,206.96	46.30
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator	1,434.51	55.56
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator	2,891.25	115.75
22 15 13 00-0036		**Heavy Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	101.58	24.12
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	142.17	32.15
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	245.90	40.20
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	306.28	60.30
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	430.94	70.34
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	451.04	80.40
22 15 13 00-0043		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	389.77	72.36
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	481.27	96.47
22 15 13 00-0046		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer	2,368.67	72.36
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer	2,849.37	80.40
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer	2,875.55	88.43
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer	3,284.62	100.49
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer	4,528.51	120.60
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer	4,463.30	160.79
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer	5,998.27	200.99
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer	6,359.48	241.19
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer	7,279.47	281.39
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer	8,359.33	321.58
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer	8,979.61	361.78
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer	10,988.86	401.98
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer	12,199.14	482.37
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer	14,098.51	562.77
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer	16,268.89	643.17
22 15 13 00-0062		**Air Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler	590.65	50.25
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler	799.59	60.30
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler	877.35	70.34
22 15 13 00-0066	EA	70 SCFM Air-Cooled Aftercooler	1,073.32	80.40
22 15 13 00-0067	EA	125 SCFM Air-Cooled Aftercooler	1,499.94	90.45
22 15 13 00-0068	EA	185 SCFM Air-Cooled Aftercooler	1,684.40	100.49
22 15 13 00-0069	EA	260 SCFM Air-Cooled Aftercooler	3,277.78	120.60
22 15 13 00-0070	EA	365 SCFM Air-Cooled Aftercooler	3,423.50	140.69
22 15 13 00-0071	EA	560 SCFM Air-Cooled Aftercooler	3,568.06	160.79
22 15 13 00-0072	EA	650 SCFM Air-Cooled Aftercooler	4,186.06	180.89
22 15 13 00-0073	EA	750 SCFM Air-Cooled Aftercooler	4,575.70	200.99
22 15 13 00-0074	EA	900 SCFM Air-Cooled Aftercooler	5,249.05	221.09
22 15 13 00-0075	EA	1,100 SCFM Air-Cooled Aftercooler	6,748.14	241.19
22 15 13 00-0076	EA	1,460 SCFM Air-Cooled Aftercooler	7,721.92	261.28
22 15 13 00-0077	EA	1,800 SCFM Air-Cooled Aftercooler	7,971.15	281.39
22 15 13 00-0078	EA	2,500 SCFM Air-Cooled Aftercooler	8,547.63	301.49

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0079		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0080		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0079)*		
22 15 13 00-0081	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	204.35	30.10
22 15 13 00-0082	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	244.71	30.10
22 15 13 00-0083	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	266.95	34.73
22 15 13 00-0084	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	307.41	39.82
22 15 13 00-0085	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	358.99	43.99
22 15 13 00-0086	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	406.34	53.24
22 15 13 00-0087	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	408.59	57.87
22 15 13 00-0088	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	531.02	69.45
22 15 13 00-0089	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	681.11	92.60
22 15 13 00-0090	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	779.22	104.17
22 15 13 00-0091		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0079)*		
22 15 13 00-0092	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	250.48	30.10
22 15 13 00-0093	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	271.26	34.73
22 15 13 00-0094	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	311.45	39.82
22 15 13 00-0095	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	367.06	39.36
22 15 13 00-0096	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	415.57	53.24
22 15 13 00-0097	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	471.83	57.87
22 15 13 00-0098	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	541.39	69.45
22 15 13 00-0099	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	698.41	92.60
22 15 13 00-0100	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	802.29	104.17
22 15 13 00-0101		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0102		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0101)*		
22 15 13 00-0103	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	330.46	64.32
22 15 13 00-0104	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	473.15	70.34
22 15 13 00-0105	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	501.17	73.96
22 15 13 00-0106	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	570.34	80.40
22 15 13 00-0107	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	745.48	108.53
22 15 13 00-0108	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	897.17	120.60
22 15 13 00-0109	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,335.09	140.69
22 15 13 00-0110	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	1,977.87	160.79
22 15 13 00-0111	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,202.88	170.84
22 15 13 00-0112	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,166.93	180.89
22 15 13 00-0113	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,165.19	211.04
22 15 13 00-0114	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	5,977.75	251.24
22 15 13 00-0115		Vertical Compressed Air Storage Tanks *(22 15 13 00-0101)*		
22 15 13 00-0116	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	440.32	64.32
22 15 13 00-0117	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	462.76	70.34
22 15 13 00-0118	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	501.17	73.96
22 15 13 00-0119	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	590.92	80.40
22 15 13 00-0120	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	807.19	108.53
22 15 13 00-0121	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	926.90	120.60
22 15 13 00-0122	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	1,270.47	140.69
22 15 13 00-0123	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	1,844.68	160.79
22 15 13 00-0124	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	2,033.10	170.84
22 15 13 00-0125	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	2,751.36	180.89
22 15 13 00-0126	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	3,520.23	211.04
22 15 13 00-0127	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	4,578.60	231.14
22 15 13 00-0128	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	7,577.04	261.28

22 15 19 General Service Packaged Air Compressors And Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001		Single Stage Compressor *(22 15 19 13)*		
		Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,745.33	285.25
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,837.23	329.22
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,102.28	388.79
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,388.95	429.00
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,890.76	453.11
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,082.10	469.19
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,465.15	536.24
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,713.75	568.40
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	4,438.91	643.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 13-0011		Two Stage Compressor *(22 15 19 13)* Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	3,317.82	501.35
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	3,584.43	589.87
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,758.47	643.49
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	4,345.71	857.99
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	4,655.65	857.99
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	5,064.88	1,072.49
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	5,345.99	1,072.49
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	6,839.27	1,326.54
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	7,361.33	1,366.73
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	7,946.38	1,597.31
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	11,716.53	1,808.10
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	12,630.33	2,043.11
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	14,068.81	2,258.08
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	15,313.19	2,474.76
22 15 19 19		**General Service Packaged Rotary-Screw Air Compressors** *(22 15 19)*		
22 15 19 19-0001		Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)* Note: Oil flooded.		
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,634.93	738.94
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	6,358.52	985.26
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,138.81	1,235.28
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,491.60	1,574.19
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,866.78	1,851.99
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,121.34	2,083.49
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,399.96	2,314.99
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,219.65	2,592.79
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,897.21	2,777.98
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,158.90	2,993.74
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	27,216.29	3,240.99
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,126.41	3,426.19
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	47,604.65	3,703.98
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	59,130.33	4,004.93
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	68,541.46	4,310.51
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	88,756.20	4,629.98
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	100,702.55	4,926.29
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)* Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	7,060.58	985.26
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	7,475.76	985.26
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	8,468.93	1,235.28
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	8,923.04	1,235.28
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	9,673.24	1,574.19
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	10,153.30	1,574.19
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	11,016.70	1,851.99
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	11,535.68	1,851.99
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,587.89	2,083.49
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,061.12	2,314.99
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,404.61	2,592.79

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*
See CSI section 11 30 13 13-0106 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,956.16	234.32
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	3,089.99	244.96
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,332.69	255.62
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,828.28	266.27
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	4,078.25	276.92
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,401.03	255.62
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,628.02	266.27
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,879.20	276.92
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,786.14	287.57
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	6,425.69	298.22
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,808.12	308.87
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,648.53	266.27
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	6,891.24	276.92
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	7,800.60	287.57
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	8,440.16	298.22
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	9,897.60	308.87
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	13,029.52	319.53
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	15,229.85	330.17
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	15,976.08	308.87
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	18,446.20	319.53
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	20,617.49	330.17
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	25,936.88	340.82
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	28,711.90	351.47
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	10,901.39	399.40
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	11,384.63	415.37

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	12,951.93	431.36
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	14,153.84	447.33
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	17,254.08	463.31
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	22,820.07	479.28
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	26,839.81	495.26
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	29,309.42	463.31
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	33,655.85	479.28
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	37,809.88	495.26
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	48,076.29	511.23
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	53,665.28	527.21
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	3,899.48	351.47
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	4,156.47	367.45
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	4,528.40	383.42
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	5,416.96	399.40
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	5,983.68	415.37
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,544.65	383.42
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,954.10	399.40
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,557.12	415.37
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,782.02	431.36
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,025.07	447.33
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	13,775.64	463.31
22 32		**Domestic Water Filtration Equipment** *(22 30)*		
22 32 16		**Domestic-Water Freestanding Cartridge Filters** *(22 32)*		
22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,541.09	150.47
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,575.13	162.05
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,676.92	173.63
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,853.73	185.20
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,911.96	196.77

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,305.33	208.35
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	6,328.38	219.92
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	7,352.10	231.50
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	9,313.51	243.07
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	10,325.13	254.65
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	8.24	1.85
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	8.24	1.85
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	8.24	1.85
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.03	1.85
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	8.54	1.85
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	8.54	1.85
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	9.14	1.85
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	11.26	1.85
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	9.14	1.85
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	10.66	1.85
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	10.66	1.85
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	10.66	1.85
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	11.56	1.85
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	14.89	1.85
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	13.68	1.85
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	13.68	1.85
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	14.89	1.85
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	13.98	1.85
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	13.98	1.85
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	14.29	1.85
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	15.19	1.85
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	22.45	1.85
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	21.55	1.85
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	21.55	1.85
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	21.55	1.85
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	28.20	1.85
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	39.69	1.85
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	33.34	1.85
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	46.05	1.85
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	47.86	1.85
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	53.91	1.85
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,222.12	138.90
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	380.58	1.85
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	79.62	1.85
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	79.02	1.85
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	79.02	1.85
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	90.51	1.85
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	209.38	1.85
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	196.68	1.85
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	214.22	1.85
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	224.50	1.85
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	239.02	1.85
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	258.99	1.85

22 33 Electric Domestic Water Heaters *(22 30)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13		**Instantaneous Electric Domestic Water Heaters** *(22 33)*		
22 33 13 13		**Flow-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	313.72	46.28
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	364.26	46.28
22 33 13 16		**Thermostat-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	421.30	69.42
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	479.68	92.57
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	815.16	161.99
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,205.01	185.14
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	825.27	92.57
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,134.92	138.85
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,269.42	185.14
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,313.82	185.14
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,355.76	185.14
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,417.43	185.14
22 33 30		**Residential, Electric Domestic Water Heaters** *(22 33)*		
22 33 30 13		**Residential, Small-Capacity Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	617.14	145.79
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	744.19	155.05
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	866.62	161.99
22 33 30 16		**Residential, Storage Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	919.67	161.99
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	873.15	166.62
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	863.42	171.24
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	953.86	173.57
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	1,344.02	178.20
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	1,371.48	185.14
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	1,796.41	196.71
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	980.58	161.99
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	940.99	166.62
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	993.67	171.24
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*		
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,012.15	166.62
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	1,099.49	171.24
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	1,334.45	178.20
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	1,446.03	185.14
22 33 30 16-0018		Water Heater Accessories *(22 33 30 16)*		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	75.56	9.25
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	88.29	9.25
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	166.92	9.25
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	222.27	9.25
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	45.56	6.94
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	49.38	6.94
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	51.93	6.94
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	60.83	6.94
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	26.41	6.94
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	28.45	6.94
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	31.31	6.94
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	35.00	6.94

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

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

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	3,383.17	161.99
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	3,511.98	161.99
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	3,651.52	161.99
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	3,697.80	185.14
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	3,858.82	185.14
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	4,116.43	185.14
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	4,288.18	185.14
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	4,427.73	185.14
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	4,578.00	185.14
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	4,019.83	185.14
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	4,170.11	185.14
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	4,341.85	185.14
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	4,481.40	185.14
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	4,631.67	185.14
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	5,737.29	185.14
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	4,402.21	231.42
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	4,541.75	231.42
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	4,713.50	231.42
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	4,863.78	231.42
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	5,980.13	231.42
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	6,495.37	231.42
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	6,999.87	231.42
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	5,095.89	277.71
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	5,235.44	277.71
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	5,374.98	277.71
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	5,525.26	277.71
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	6,673.81	277.71
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	7,189.05	277.71
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	7,693.56	277.71
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	8,605.96	277.71
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	9,013.86	277.71
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	10,430.76	277.71
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	12,255.57	277.71
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	15,325.54	277.71
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	5,774.80	370.27
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	5,935.81	370.27
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	6,086.09	370.27
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	6,214.90	370.27
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	7,352.72	370.27
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	7,867.96	370.27
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	8,361.73	370.27
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	9,295.60	370.27
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	9,692.77	370.27
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	11,120.41	370.27
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	12,955.95	370.27
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	16,015.18	370.27
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	6,457.75	416.55
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	6,608.03	416.55
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	6,736.84	416.55
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	7,885.39	416.55
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	8,346.96	416.55
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	8,883.67	416.55
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	9,817.54	416.55
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	10,225.44	416.55
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	11,567.21	416.55
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	13,477.89	416.55
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	16,537.12	416.55
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	7,258.76	462.83
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	7,430.51	462.83
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	8,546.86	462.83
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	9,062.10	462.83
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	9,566.61	462.83
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	10,479.01	462.83

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	10,897.64	462.83
	22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	12,303.82	462.83
	22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	14,128.62	462.83
	22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	17,209.32	462.83
	22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	7,830.33	555.40
	22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	7,980.61	555.40
	22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	9,096.96	555.40
	22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	9,590.73	555.40
	22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	10,116.71	555.40
	22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	11,029.11	555.40
	22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	11,415.54	555.40
	22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	12,864.65	555.40
	22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	14,700.19	555.40
	22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	17,748.69	555.40
	22 33 33 00-0079		Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*		
			Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
	22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	989.45	161.99
	22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,057.08	161.99
	22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,153.81	185.14
	22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	1,926.67	185.14
	22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	2,233.91	231.42
	22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	2,487.49	277.71
	22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	3,020.68	416.55
	22 33 33 00-0087		Removal And Reinstallation Of Water Heater *(22 33 33)*		
			Note: Includes storage and cleaning.		
	22 33 33 00-0088	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	308.56	
	22 33 33 00-0089	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	925.67	

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

	22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,267.75	185.14
	22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,366.41	187.45
	22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,495.33	192.08
	22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,735.23	196.71
	22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,093.56	208.27
	22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,136.30	208.27
	22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
	22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,361.78	185.14
	22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,093.56	208.27

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*

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

	22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	966.85	178.20
	22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	953.04	182.82
	22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,243.15	187.45
	22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	1,340.66	192.08
	22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,458.38	196.71
	22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,120.62	208.27

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*

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

	22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,705.56	182.82
	22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	1,935.08	187.45
	22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,494.16	192.08

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,556.79	182.82
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,620.32	187.45
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 00-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,859.17	277.71
22 34 36 00-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,190.26	323.99
22 34 36 00-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,418.36	370.27
22 34 36 00-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,557.64	370.27
22 34 36 00-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,383.20	370.27
22 34 36 00-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	8,502.39	407.29
22 34 36 00-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	6,188.42	416.55
22 34 36 00-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	9,160.64	458.20
22 34 36 00-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,283.81	416.55
22 34 36 00-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,740.48	458.20
22 34 36 00-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,968.60	509.12
22 34 36 00-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	9,568.69	560.03
22 34 36 00-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,831.63	509.12
22 34 36 00-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	9,625.47	560.03
22 34 36 00-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	7,583.58	555.40
22 34 36 00-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	10,624.39	610.94
22 34 36 00-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	9,616.21	555.40
22 34 36 00-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	12,577.58	610.94
22 34 36 00-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	12,525.00	601.68
22 34 36 00-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	6,257.65	323.99
22 34 36 00-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,503.44	356.38
22 34 36 00-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,509.20	370.27
22 34 36 00-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,798.33	407.29
22 34 36 00-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,598.35	231.42
22 34 36 00-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,745.97	231.42
22 34 36 00-0027		Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0028	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,962.07	277.71
22 34 36 00-0029	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,654.08	277.71
22 34 36 00-0030	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,893.58	323.99
22 34 36 00-0031	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	7,179.19	370.27
22 34 36 00-0032	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	7,213.26	370.27
22 34 36 00-0033	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,372.24	370.27
22 34 36 00-0034	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	8,650.01	407.29
22 34 36 00-0035	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	8,134.80	416.55
22 34 36 00-0036	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	10,000.96	458.20
22 34 36 00-0037	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	8,535.69	509.12
22 34 36 00-0038	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	10,454.44	560.03
22 34 36 00-0039	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	8,717.38	509.12
22 34 36 00-0040	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	10,568.00	560.03
22 34 36 00-0041	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	9,775.19	555.40
22 34 36 00-0042	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	11,487.43	610.94
22 34 36 00-0043	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	11,830.58	555.40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0044	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	13,645.02	610.94
22 34 36 00-0045		**Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH)** *(22 34 36)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0046	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,076.32	277.71
22 34 36 00-0047	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	4,121.05	277.71
22 34 36 00-0048	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	4,984.09	277.71
22 34 36 00-0049	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	7,174.51	305.47
22 34 36 00-0050	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	7,347.81	323.99
22 34 36 00-0051	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	9,263.58	356.38
22 34 36 00-0052	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,463.09	370.27
22 34 36 00-0053	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	9,547.12	407.29
22 34 36 00-0054	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,623.10	416.55
22 34 36 00-0055	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	10,489.26	458.20
22 34 36 00-0056	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	13,724.90	560.03
22 34 36 00-0057	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	14,428.57	610.94
22 34 36 00-0058	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	16,597.14	661.85
22 34 36 00-0059		**Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters** *(22 34 36)*		
22 34 36 00-0060	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	28,001.40	1,068.98
22 34 36 00-0061	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	39,570.14	1,181.51
22 34 36 00-0062	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	42,939.89	1,237.77
22 34 36 00-0063	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	46,508.06	1,350.30
22 34 36 00-0064		**Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36)*		
22 34 36 00-0065	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	24,825.22	1,068.98
22 34 36 00-0066	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	27,425.36	1,181.51
22 34 36 00-0067	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	29,984.97	1,237.77
22 34 36 00-0068	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,577.81	1,350.30
22 34 36 00-0069		**Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36)*		
22 34 36 00-0070	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,362.47	506.36
22 34 36 00-0071	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,999.36	562.62
22 34 36 00-0072	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,219.72	675.15
22 34 36 00-0073	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,605.03	703.28
22 34 36 00-0074	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	12,781.88	843.94
22 34 36 00-0075	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,765.06	1,012.72
22 34 36 00-0076	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,925.08	1,068.98
22 34 36 00-0077	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,870.33	1,153.38
22 34 36 00-0078	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,692.67	1,209.64
22 34 36 00-0079	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,285.23	1,237.77
22 34 36 00-0080		**Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters** *(22 34 36)*		
22 34 36 00-0081	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	20,854.11	843.94
22 34 36 00-0082	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	22,954.28	1,012.72
22 34 36 00-0083	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	30,710.63	1,153.38
22 34 36 00-0084	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	31,636.60	1,209.64
22 34 36 00-0085	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	33,119.85	1,237.77

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0086		Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36)*		
22 34 36 00-0087	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	26,458.40	1,012.72
22 34 36 00-0088	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	32,010.25	1,153.38
22 34 36 00-0089	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	33,968.85	1,237.77
22 34 36 00-0090		Laars Mighty Therm Volume Water Heater *(22 34 36)*		
22 34 36 00-0091	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,824.03	681.97
22 34 36 00-0092	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	7,415.60	767.22
22 34 36 00-0093	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	8,608.00	937.71
22 34 36 00-0094	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	12,394.64	1,022.95
22 34 36 00-0095	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	13,662.22	1,193.44
22 34 36 00-0096	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	15,627.35	1,363.93
22 34 36 00-0097	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	17,275.51	1,534.43
22 34 36 00-0098	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	20,597.57	1,704.92
22 34 36 00-0099	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	21,382.33	1,790.16
22 34 36 00-0100	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	22,919.00	1,875.42
22 34 36 00-0101		Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package *(22 34 36)* Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0102	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	52,794.53	1,138.95
22 34 36 00-0103	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	63,789.74	1,210.14
22 34 36 00-0104	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	77,458.30	1,281.32
22 34 36 00-0105	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	92,550.88	1,352.51
22 34 36 00-0106	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	97,010.16	1,423.69
22 34 36 00-0107		Removal And Reinstallation Of Water Heater *(22 34 36)* Note: Includes storage and cleaning.		
22 34 36 00-0108	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	420.76	
22 34 36 00-0109	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,112.59	
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 00-0001		Oil-Fired Domestic Water Heaters (Bock) *(22 34 46)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,620.32	178.20
22 34 46 00-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,598.12	178.20
22 34 46 00-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,669.45	178.20
22 34 46 00-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,763.70	182.82
22 34 46 00-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,250.71	187.45
22 34 46 00-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,898.01	187.45
22 34 46 00-0008		Oil Fired Commercial Water Heaters *(22 34 46)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E)	2,627.86	277.71
22 34 46 00-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E)	3,092.21	277.71
22 34 46 00-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E)	3,110.07	277.71
22 34 46 00-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,483.22	370.27
22 34 46 00-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	6,155.61	462.83
22 34 46 00-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,757.75	509.12
22 35		Domestic Water Heat Exchangers *(22 30)*		
22 35 23		**Circulating, Domestic Water heat Exchangers** *(22 35)*		
22 35 23 00-0001		Steam Driven Water Heaters *(22 35 23)*		
22 35 23 00-0002		Constant Flow *(22 35 23 00-0001)*		
22 35 23 00-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	6,853.99	462.83
22 35 23 00-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	8,568.83	567.16
22 35 23 00-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	10,968.76	741.74
22 35 23 00-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	14,820.12	1,033.14
22 35 23 00-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	21,732.92	1,701.57
22 35 23 00-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	23,628.71	1,928.45
22 35 23 00-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	31,239.94	2,225.13
22 35 23 00-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	37,624.91	2,629.74
22 35 23 00-0011		Variable Flow *(22 35 23 00-0001)*		
22 35 23 00-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	10,168.87	902.53

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 00-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	11,464.97	1,102.01
22 35 23 00-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	14,610.47	1,424.98
22 35 23 00-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	19,069.44	1,988.16
22 35 23 00-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	28,184.16	3,325.02
22 35 23 00-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	34,593.62	3,661.68
22 35 23 00-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	40,039.19	4,285.49
22 35 23 00-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	50,936.83	5,119.89

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 39 Residential Faucets, Supplies, And Trim *(22 41)*

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

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	136.33	42.60
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	155.01	42.60
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	155.01	42.60
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	149.85	42.60
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	159.89	42.60

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

22 41 39 00-0008	EA	Chrome Single Acrylic Handle Bath Faucet (Delta 502-DST)	121.45	30.67
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome Single Lever Handle Bath Faucet (Delta 500WF)	121.45	30.67
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502LF)	90.71	30.67
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	

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

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	156.99	36.97
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	182.56	36.97
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	145.85	36.97
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	159.62	36.97
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	174.12	23.14
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	146.74	23.14
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	186.72	23.14

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

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	105.83	27.21

22 41 39 00-0021 Laundry/Wash Basin Faucets *(22 41 39)*

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	106.60	27.21
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	148.77	29.99

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

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	25.82	6.94

22 42 Commercial Plumbing Fixtures *(22 40)*

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

22 42 13 Commercial Water Closets, Urinals, And Bidets *(22 42)*

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

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*
Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*
Note: Includes wax seal and toilet seat. Excludes flush valve.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	538.93	88.61
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	532.89	88.61
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	655.70	88.61
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	868.45	88.61
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	769.79	88.61
22 42 13 13-0008	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™)	714.09	88.61
22 42 13 13-0009	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	717.92	88.61
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	530.38	88.61
22 42 13 13-0011	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	573.38	88.61

22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

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

22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	621.53	109.06
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	789.98	109.06
22 42 13 13-0015	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,020.84	109.06
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	622.92	109.06
22 42 13 13-0017	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	989.44	109.06
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	697.83	109.06
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	586.13	109.06
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	621.60	109.06

22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

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

22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	547.28	88.61
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	562.05	88.61
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	627.14	88.61
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	707.68	88.61
22 42 13 13-0026	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	704.32	88.61
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	961.36	88.61
22 42 13 13-0028	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	800.29	88.61
22 42 13 13-0029	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	613.59	88.61
22 42 13 13-0030	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	675.91	88.61
22 42 13 13-0031	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA)	820.52	88.61
22 42 13 13-0032	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	625.05	88.61
22 42 13 13-0033	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	606.94	88.61
22 42 13 13-0034	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	579.72	88.61

22 42 13 13-0035 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets *(22 42 13 13-0001)*

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

22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	621.91	88.61
22 42 13 13-0037	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	554.65	88.61
22 42 13 13-0038	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	659.36	88.61

22 42 13 13-0039 Floor Mounted Round Bowl Vitreous China Water Closets *(22 42 13 13-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0040	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	612.46	88.61
22 42 13 13-0041	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3436)	627.61	88.61
22 42 13 13-0042		Stainless Steel Water Closets *(22 42 13 13)*		
22 42 13 13-0043	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	3,846.56	191.72
22 42 13 13-0044	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	4,061.19	191.72
22 42 13 13-0045		Water Closet Carriers *(22 42 13 13)*		
22 42 13 13-0046		Pipe Grip Adaptor Type, Water Closet Carriers *(22 42 13 13-0045)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0047	EA	Pipe Grip Adaptor Type, Water Closet Carrier	405.47	44.99
22 42 13 13-0048		No-Hub, Water Closet Carriers *(22 42 13 13-0045)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0049	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	615.40	44.99
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-51.50*	
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Auxiliary Inlet, Add	*149.53*	
		For Special Duty 500 LB Carrier, Add	*244.54*	
22 42 13 13-0050	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	615.40	44.99
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-51.50*	
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Auxiliary Inlet, Add	*149.53*	
		For Special Duty 500 LB Carrier, Add	*244.54*	
22 42 13 13-0051	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	670.00	44.99
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-51.50*	
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Auxiliary Inlet, Add	*149.53*	
		For Horizontal No Hub Cast Long Barrel, Add	*151.28*	
		For Carrier For Wide Chase Installations, Add	*203.16*	
		For Special Duty 1,000 LB Carrier, Add	*244.54*	
22 42 13 13-0052	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	739.98	44.99
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-51.50*	
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For 4" Branch, Add	*116.68*	
		For Auxiliary Inlet, Add	*149.53*	
		For Carrier For Wide Chase Installations, Add	*203.16*	
		For Double 4" Branches, Add	*234.12*	
		For Special Duty 1,000 LB Carrier, Add	*244.54*	
22 42 13 13-0053	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,019.97	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For Auxiliary Inlet, Add	*162.32*	
		For Special Duty 500 LB Carrier, Add	*489.07*	
22 42 13 13-0054	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,047.66	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For Auxiliary Inlet, Add	*162.32*	
		For Special Duty 500 LB Carrier, Add	*489.07*	
22 42 13 13-0055	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,268.36	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For 4" Branch, Add	*123.07*	
		For Auxiliary Inlet, Add	*162.32*	
		For Double 4" Branches, Add	*246.91*	
		For Carrier For Wide Chase Installations, Add	*444.66*	
		For Special Duty 1,000 LB Carrier, Add	*489.09*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0056	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,196.07	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For Horizontal No Hub Cast Long Barrel, Add	*157.67*	
		For Carrier For Wide Chase Installations, Add	*444.66*	
		For Special Duty 1,000 LB Carrier, Add	*489.09*	

22 42 13 13-0057 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0045)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0058	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	615.40	44.99
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Hanger Type Closet Adapter, Add	*109.97*	
		For Auxiliary Inlet, Add	*149.53*	
22 42 13 13-0059	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	615.40	44.99
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Auxiliary Inlet, Add	*149.53*	
		For Special Duty 500 LB Carrier, Add	*244.54*	
22 42 13 13-0060	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	766.12	44.99
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-51.50*	
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For 4" Branch, Add	*116.68*	
		For Auxiliary Inlet, Add	*149.53*	
		For Carrier For Wide Chase Installations, Add	*203.16*	
		For Double 4" Branches, Add	*234.12*	
		For Special Duty 1,000 LB Carrier, Add	*244.54*	
22 42 13 13-0061	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,019.97	66.04
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For Auxiliary Inlet, Add	*162.32*	
		For Hanger Type Closet Adapter, Add	*219.93*	
22 42 13 13-0062	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,294.51	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For 4" Branch, Add	*123.07*	
		For Auxiliary Inlet, Add	*162.32*	
		For Double 4" Branches, Add	*246.91*	
		For Carrier For Wide Chase Installations, Add	*444.66*	
		For Special Duty 1,000 LB Carrier, Add	*489.09*	

22 42 13 13-0063 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers *(22 42 13 13-0045)*

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0064	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	480.83	44.99
		For Positioning Frame, Add	*34.50*	
		For Supply Pipe Support, Add	*35.28*	
		For Vandal Proof Trim, Add	*43.84*	
		For Hanger Type Closet Adapter, Add	*109.97*	

22 42 13 13-0065 Institutional Water Closet Carriers *(22 42 13 13-0045)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

22 42 13 13-0066	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,651.32	66.04
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-103.02*	
		For Positioning Frame, Add	*75.39*	
		For Supply Pipe Support, Add	*76.93*	
		For Vandal Proof Trim, Add	*87.67*	
		For Auxiliary Inlet, Add	*162.32*	

22 42 13 13-0067 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*

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

22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	389.59
22 42 13 13-0069	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	389.59
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	299.65
22 42 13 13-0071	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	299.65

22 42 13 16 Commercial Urinals *(22 42 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™)	495.46	91.17
22 42 13 16-0004	EA	Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™)	516.94	91.17
22 42 13 16-0005	EA	Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	618.95	91.17
22 42 13 16-0006	EA	Washout, Wall Hung, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	644.77	91.17
22 42 13 16-0007	EA	Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™)	682.70	91.17
22 42 13 16-0008	EA	Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™)	616.93	91.17
22 42 13 16-0009	EA	Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™)	512.61	91.17
22 42 13 16-0010	EA	Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV)	635.08	91.17
22 42 13 16-0011	EA	Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV)	535.28	91.17
22 42 13 16-0012	EA	Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798)	583.77	91.17
22 42 13 16-0013	EA	0.125 To 0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1009-A)	528.14	91.17
22 42 13 16-0014	EA	1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A)	526.03	91.17
22 42 13 16-0015		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	854.69	115.03
22 42 13 16-0017	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	985.49	115.03
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	295.90	21.31
22 42 13 16-0019	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	337.14	21.31
22 42 13 16-0020		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free)	489.51	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-31.52*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free)	552.60	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-38.71*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	584.14	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-42.31*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000)	693.05	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-54.72*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	640.29	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-48.71*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	506.79	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-33.49*	
22 42 13 16-0027	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	506.79	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-33.49*	
22 42 13 16-0028	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	611.67	63.91
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-45.45*	
22 42 13 16-0029	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	892.06	63.91
		For >1, Deduct	*-77.41*	
22 42 13 16-0030		**Stainless Steel Urinals** *(22 42 13 16)*		
22 42 13 16-0031	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,967.29	191.72
22 42 13 16-0032	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,154.76	234.32
22 42 13 16-0033		**Urinal Carriers** *(22 42 13 16)*		
22 42 13 16-0034		**Floor Mounted, Urinal Carriers** *(22 42 13 16-0033)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0035	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	350.30	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
22 42 13 16-0036	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	379.52	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
22 42 13 16-0037		**Wall Mounted, Urinal Carriers** *(22 42 13 16-0033)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0038	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	168.05	32.38
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*16.15*	
22 42 13 16-0039		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0040	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	388.16	

22 42 16 Commercial Lavatories And Sinks *(22 42)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		Lavatories *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		Wall Hung Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	471.60	57.09
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	494.42	57.09
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	638.49	57.09
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	429.99	57.09
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	366.24	57.09
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	440.73	57.09
22 42 16 13-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	471.23	57.09
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	385.03	57.09
22 42 16 13-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	560.86	57.09
22 42 16 13-0012		Countertop Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	420.47	69.02
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	428.64	69.02
22 42 16 13-0015	EA	19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™)	397.10	69.02
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	451.44	69.02
22 42 16 13-0017	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	475.68	69.02
22 42 16 13-0018	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	612.49	74.55
22 42 16 13-0019		Undercounter Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0020	EA	15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	432.41	69.02
22 42 16 13-0021	EA	17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	402.21	69.02
22 42 16 13-0022	EA	19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	402.21	69.02
22 42 16 13-0023	EA	21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	438.82	69.02
22 42 16 13-0024	EA	15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	414.96	69.02
22 42 16 13-0025	EA	17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	409.40	69.02
22 42 16 13-0026	EA	19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	415.07	69.02
22 42 16 13-0027	EA	18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	540.11	69.02
22 42 16 13-0028	EA	21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	540.11	69.02
22 42 16 13-0029		Pedestal Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0030	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	561.67	164.02
22 42 16 13-0031		Pre-Molded Culture Marble Lavatory Vanity *(22 42 16 13-0001)*		
		Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0032	EA	20" x 17" Pre-Molded Culture Marble Vanity Top With Lavatory	203.67	53.26
		For Colored Fixtures, Add	*28.18*	
22 42 16 13-0033	EA	24" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	248.08	63.91
		For Colored Fixtures, Add	*34.89*	
22 42 16 13-0034	EA	30" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	271.64	68.16
		For Colored Fixtures, Add	*39.25*	
22 42 16 13-0035	EA	36" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	291.73	72.43
		For Colored Fixtures, Add	*42.60*	
22 42 16 13-0036	EA	25" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	253.87	63.91
		For Colored Fixtures, Add	*36.57*	
22 42 16 13-0037	EA	31" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	275.09	68.16
		For Colored Fixtures, Add	*40.25*	
22 42 16 13-0038	EA	37" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	294.04	72.43
		For Colored Fixtures, Add	*43.28*	
22 42 16 13-0039	EA	43" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	327.22	74.55
		For Colored Fixtures, Add	*51.66*	
22 42 16 13-0040	EA	49" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	354.66	76.69
		For Colored Fixtures, Add	*58.38*	
22 42 16 13-0041	EA	25" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	277.01	63.91
		For Colored Fixtures, Add	*43.28*	
22 42 16 13-0042	EA	31" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	314.43	68.16
		For Colored Fixtures, Add	*51.66*	
22 42 16 13-0043	EA	37" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	334.54	72.43
		For Colored Fixtures, Add	*55.02*	
22 42 16 13-0044	EA	43" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	357.31	74.55
		For Colored Fixtures, Add	*60.39*	
22 42 16 13-0045	EA	49" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	377.80	76.69
		For Colored Fixtures, Add	*65.09*	
22 42 16 13-0046	EA	55" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	404.82	80.94
		For Colored Fixtures, Add	*70.46*	
22 42 16 13-0047		Stainless Steel Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0048	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,938.05	149.11
22 42 16 13-0049		Solid Surface Multi-Station Lavatory Systems *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0050	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,836.37	118.66
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0051	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,603.35	118.66
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0052	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	271.52	39.56
22 42 16 13-0053	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	332.35	39.56
22 42 16 13-0054	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	642.20	39.56
22 42 16 13-0055		Lavatory Carriers *(22 42 16 13)*		
22 42 16 13-0056		Floor Mounted, Lavatory Carriers *(22 42 16 13-0055)*		
22 42 16 13-0057		Floor Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0056)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0058	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	350.30	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For Valve Plate For Attaching To Upright, Add	*59.09*	
		For Corner Carrier, Add	*115.13*	
22 42 16 13-0059	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	379.52	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For Valve Plate For Attaching To Upright, Add	*59.09*	
22 42 16 13-0060	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	431.04	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*32.29*	
		For Valve Plate For Attaching To Upright, Add	*118.19*	
22 42 16 13-0061	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	490.26	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*32.29*	
		For Valve Plate For Attaching To Upright, Add	*118.19*	
22 42 16 13-0062		Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0056)* Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0063	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	448.07	38.34
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*16.15*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*22.30*	
		For Valve Plate For Attaching To Upright, Add	*60.80*	
		For 2" Chrome Plated Escutcheons, Add	*54.60*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*99.20*	
22 42 16 13-0064	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	589.57	38.34
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*16.15*	
		For Vandal Proof Trim, Add	*43.84*	
		For Valve Plate For Attaching To Upright, Add	*60.80*	
		For Heavy Duty Carrier, Add	*56.13*	
22 42 16 13-0065	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	588.80	38.34
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*32.29*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*44.61*	
		For Valve Plate For Attaching To Upright, Add	*121.59*	
		For 2" Chrome Plated Escutcheons, Add	*109.19*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*198.40*	
22 42 16 13-0066	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	859.49	38.34
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*32.29*	
		For Vandal Proof Trim, Add	*87.67*	
		For Valve Plate For Attaching To Upright, Add	*121.59*	
		For Heavy Duty Carrier, Add	*112.27*	
22 42 16 13-0067		Wall Mounted, Lavatory Carriers *(22 42 16 13-0055)*		
22 42 16 13-0068		Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0067)* Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0069	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	168.05	32.38
		For Double Plate Carrier, Add	*47.12*	
22 42 16 13-0070		Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0067)* Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0071	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	268.90	38.34
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For 2" Chrome Plated Escutcheons, Add	*54.60*	
22 42 16 13-0072	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	311.97	38.34
		For Movable Mounting Brackets, Deduct	*-41.51*	
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For 2" Chrome Plated Escutcheons, Add	*54.60*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*99.20*	
22 42 16 13-0073	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	445.00	38.34
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*16.15*	
		For Vandal Proof Trim, Add	*43.84*	
22 42 16 13-0074		Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0075	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	250.61	

22 42 16 16 Commercial Sinks *(22 42 16)*

22 42 16 16-0001 Sinks *(22 42 16 16)*

Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 16-0002 Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	610.28	80.10
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	826.45	91.17
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	921.84	78.39
		For 18 Gauge, Add	*301.16*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	951.80	78.39
		For 18 Gauge, Add	*316.14*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,019.21	78.39
		For 18 Gauge, Add	*349.85*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,074.37	80.10
		For 18 Gauge, Add	*372.32*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,401.49	91.17
		For 18 Gauge, Add	*519.61*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,437.46	91.17
		For 18 Gauge, Add	*537.44*	
22 42 16 16-0011	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,915.56	91.17
22 42 16 16-0012	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,407.43	78.39
22 42 16 16-0013	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,441.13	78.39
22 42 16 16-0014	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,526.02	78.39
22 42 16 16-0015	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,634.85	80.10
22 42 16 16-0016	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,011.91	91.17

22 42 16 16-0017 Undermount Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,227.58	78.39
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,223.93	78.39
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,240.06	78.39
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,324.94	78.39
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,271.27	78.39
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,488.83	78.39
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,814.09	78.39
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	957.09	78.39
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,322.31	78.39

22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)*

Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.

22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,742.73	138.46
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,346.34	149.11
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,703.38	159.76
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,737.67	106.51
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,047.44	117.15
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,350.51	127.81
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,718.48	143.78
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,682.66	234.32

22 42 16 16-0036 Utility Or Laundry Sinks *(22 42 16 16-0001)*

22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	553.79	91.17
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	649.76	91.17
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	551.99	91.17
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	891.17	91.17
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,296.55	102.25

22 42 16 16-0042 Refinish Sink/Lavatory *(22 42 16 16-0001)*

22 42 16 16-0043	EA	Refinish Sink/Lavatory	200.66	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	887.43	137.18
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	939.78	137.18
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,198.29	181.49
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	479.94	127.81
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	563.51	127.81
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	619.34	153.37
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	523.94	127.81
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	593.63	153.37
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	617.93	127.81
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	760.31	153.37
22 42 16 16-0055		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0056	EA	24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	3,949.71	213.01
22 42 16 16-0057		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0058	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	994.11	78.39
22 42 16 16-0059	SF	Soapstone Sink Backsplash	150.42	
22 42 16 16-0060	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,276.24	91.17
22 42 16 16-0061	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,506.50	91.17
22 42 16 16-0062		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0063		**Floor Mounted, Sink Carriers** *(22 42 16 16-0062)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	500.25	32.38
		For Vandal Proof Trim, Add	*43.84*	
		For Valve Plate For Attaching To Upright, Add	*59.09*	
22 42 16 16-0065	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	764.01	32.38
		For Vandal Proof Trim, Add	*43.84*	
		For Auxiliary Vent, Add	*132.15*	
22 42 16 16-0066	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	951.66	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.06*	
		For Vandal Proof Trim, Add	*43.84*	
22 42 16 16-0067		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	343.57	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,389.73	236.87
22 42 19 00-0004	EA	60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler Villager®)	728.24	236.87
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,183.59	236.87
22 42 19 00-0006	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,394.90	236.87
22 42 19 00-0007	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,809.48	236.87
22 42 19 00-0008		**Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0009	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	588.08	236.87
22 42 19 00-0010	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	602.84	236.87
22 42 19 00-0011		**Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0012	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	893.43	236.87
22 42 19 00-0013		**Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0014	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	921.36	236.87
22 42 19 00-0015	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,099.81	236.87
22 42 19 00-0016	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,122.86	236.87
22 42 19 00-0017	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,108.70	236.87
22 42 19 00-0018	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,159.66	236.87

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0019		Bathtub Refinishing *(22 42 19 00-0001)*		
22 42 19 00-0020	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	453.25	
22 42 19 00-0021		Tub And Shower Combinations *(22 42 19)*		
22 42 19 00-0022		Acrylic Tub And Shower Combination *(22 42 19 00-0021)*		
22 42 19 00-0023	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	803.59	85.43
		For 2 Piece Enclosure, Deduct	*-177.86*	
22 42 19 00-0024		Fiberglass Tub And Shower Combination *(22 42 19 00-0021)*		
22 42 19 00-0025	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	748.91	85.43
22 42 19 00-0026	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	602.17	56.96
22 42 19 00-0027	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,192.10	128.95
22 42 19 00-0028	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,071.60	301.50
		For 2 Piece Enclosure, Deduct	*-437.16*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,034.63	137.43
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,034.63	137.43
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,520.89	137.43
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,665.25	137.43
22 42 23 00-0007		Solid Plastic Core High Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,650.05	137.43
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,650.05	137.43
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,333.85	137.43
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	2,599.78	137.43
22 42 23 00-0012		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	880.42	137.43
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	902.89	137.43
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	925.36	137.43
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	970.30	137.43
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,029.84	137.43
22 42 23 00-0018		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	757.21	85.43
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	839.62	85.43
22 42 23 00-0021		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0022		Acrylic Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	356.69	34.72
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	376.78	34.72
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	416.91	34.72
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	506.96	41.66
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	357.63	34.72
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	384.06	34.72
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	433.23	34.72
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor	708.95	96.91
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor	481.95	41.66
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor	485.35	41.66
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor	488.47	41.66
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor	537.33	41.66
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor	517.78	34.72
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	593.63	34.72
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	968.22	92.07
22 42 23 00-0038		Molded Stone Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	239.82	34.72
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	251.16	34.72
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	252.42	34.72
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	308.49	34.72
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	274.47	34.72
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	290.22	34.72
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	292.11	34.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	338.56	41.66
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	350.53	41.66
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	277.62	34.72
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	284.55	34.72
22 42 23 00-0050		Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	445.20	34.72
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	462.21	34.72
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	477.96	34.72
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	479.85	34.72
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	524.58	34.72
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	547.26	34.72
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	766.50	34.72
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	474.18	34.72
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	483.21	34.72
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	499.38	34.72
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	519.54	34.72
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	521.43	34.72
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	547.26	34.72
22 42 23 00-0064	EA	48" x 36" Precast Terrazzo Shower Receptor	566.16	34.72
22 42 23 00-0065	EA	54" x 32" Precast Terrazzo Shower Receptor	573.09	34.72
22 42 23 00-0066	EA	60" x 30" Precast Terrazzo Shower Receptor	773.66	41.66
22 42 23 00-0067	EA	60" x 32" Precast Terrazzo Shower Receptor	845.14	41.66
22 42 23 00-0068	EA	60" x 34" Precast Terrazzo Shower Receptor	848.65	41.66
22 42 23 00-0069	EA	60" x 36" Precast Terrazzo Shower Receptor	852.14	41.66
22 42 23 00-0070	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	482.37	34.72
22 42 23 00-0071	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	483.21	34.72
22 42 23 00-0072	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	484.89	34.72
22 42 23 00-0073	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	580.02	34.72
22 42 23 00-0074	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,049.37	34.72
22 42 23 00-0075	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,168.90	41.66
22 42 23 00-0076	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,218.04	41.66
22 42 23 00-0077		Shower Receptors Accessories *(22 42 23 00-0021)*		
22 42 23 00-0078	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	3.06	
22 42 23 00-0079		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0080	EA	Removal And Reinstallation Of Shower Head	41.66	
22 42 33		**Wash Fountains** *(22 42)*		
22 42 33 00-0001		Circular Wash Fountain, Deep Bowl *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,502.61	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,749.62	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,315.64	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,139.74	158.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,481.56	158.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	9,970.01	158.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0008		Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,294.41	118.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,342.65	118.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,294.29	118.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,188.73	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,243.85	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,489.73	138.43
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, And Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	145.87	42.60
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	163.00	42.60
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	230.62	42.60
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	265.58	42.60
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	136.81	42.60
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	148.88	42.60
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	189.56	42.60
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	138.51	42.60
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	133.95	42.60
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	156.28	42.60
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	259.74	42.60
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	283.73	42.60
22 42 39 00-0014	EA	Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943)	240.54	42.60
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	269.12	46.28
22 42 39 00-0016	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	267.95	46.28
22 42 39 00-0017	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	203.41	46.28
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	451.17	42.60
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	567.57	42.60
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	606.37	42.60
22 42 39 00-0021	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	451.17	42.60
22 42 39 00-0022	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	567.57	42.60
22 42 39 00-0023	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	606.37	42.60

22 42 39 00-0024 Lavatory Faucets *(22 42 39)*

22 42 39 00-0025	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	171.01	30.67
22 42 39 00-0026	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	121.45	30.67
22 42 39 00-0027	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	148.56	30.67
22 42 39 00-0028	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	162.08	30.67
22 42 39 00-0029	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	196.99	30.67
22 42 39 00-0030	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	228.00	30.67
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	142.73	30.67
22 42 39 00-0032	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	212.53	30.67
22 42 39 00-0033	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	155.70	30.67
22 42 39 00-0034	EA	Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123)	137.50	30.67
22 42 39 00-0035	EA	Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD)	216.49	30.67
22 42 39 00-0036	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	159.10	30.67
22 42 39 00-0037	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	190.24	30.67
22 42 39 00-0038	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	186.55	30.67
22 42 39 00-0039	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	154.07	30.67

22 42 39 00-0040 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0041 Bath And Shower Faucets With Valve Body *(22 42 39 00-0040)*

22 42 39 00-0042	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	160.93	36.97
22 42 39 00-0043	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	186.50	36.97
22 42 39 00-0044	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	202.89	36.97
22 42 39 00-0045	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	149.78	36.97
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	156.34	36.97
		For Faucet With Metal Cross Handles, Add	*45.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0047	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	175.35	36.97
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0048	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	196.98	36.97
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0049		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150)	156.83	36.97
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151)	254.45	36.97
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	182.53	36.97
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	140.44	36.97
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	451.96	55.38
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	472.84	63.91
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	583.70	63.91
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	601.94	68.16
22 42 39 00-0058	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	268.48	57.51
22 42 39 00-0059	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	568.54	57.51
22 42 39 00-0060	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	403.25	57.51
22 42 39 00-0061	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	778.08	57.51
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	920.34	57.51
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	634.67	57.51
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0064	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	945.35	57.51
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,012.31	57.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0066	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	1,846.44	57.51
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0067	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	1,616.10	57.51
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0068	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	823.70	57.51
22 42 39 00-0069	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	1,251.01	57.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0070	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	822.62	57.51
22 42 39 00-0071	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	820.26	57.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0072	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	603.74	51.12
22 42 39 00-0073	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	464.49	36.97
22 42 39 00-0074		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0075	EA	2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®)	288.96	70.93
22 42 39 00-0076	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™)	344.09	70.93
22 42 39 00-0077	EA	3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235)	252.70	70.93
22 42 39 00-0078	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243)	270.40	70.93
22 42 39 00-0079	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	279.58	70.93

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0080	EA	7-1/4" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.101)	367.42	99.43
22 42 39 00-0081	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.110)	412.32	113.32
22 42 39 00-0082	EA	11" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115)	470.01	113.32
22 42 39 00-0083	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	277.65	70.93
22 42 39 00-0084	EA	8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8)	365.11	113.32
22 42 39 00-0085	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP)	512.22	113.32
22 42 39 00-0086		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0087	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	140.09	30.16
22 42 39 00-0088	EA	Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929)	227.09	42.60
22 42 39 00-0089	EA	Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930)	290.18	42.60
22 42 39 00-0090	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	182.91	39.79
22 42 39 00-0091	EA	Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940)	249.47	56.75
22 42 39 00-0092	EA	Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	331.72	56.75
22 42 39 00-0093	EA	Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946)	264.43	42.60
22 42 39 00-0094	EA	Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942)	264.41	56.75
22 42 39 00-0095	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	171.72	32.76
22 42 39 00-0096	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	241.99	46.28
22 42 39 00-0097	EA	Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802)	189.86	46.28
22 42 39 00-0098	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP)	228.55	46.28
22 42 39 00-0099	EA	Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP)	62.49	28.46
22 42 39 00-0100	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	64.89	28.46
22 42 39 00-0101	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	363.61	51.12
22 42 39 00-0102	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	462.99	51.12
22 42 39 00-0103	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	553.52	51.12
22 42 39 00-0104	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	491.35	51.12
22 42 39 00-0105	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	582.01	51.12
22 42 39 00-0106	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	100.21	28.12
22 42 39 00-0107	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	138.11	33.74
22 42 39 00-0108	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	138.11	33.74
22 42 39 00-0109	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	176.02	39.37
22 42 39 00-0110	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	213.92	44.99
22 42 39 00-0111		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0112	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	585.22	31.95
22 42 39 00-0113	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	632.96	29.82
22 42 39 00-0114	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	815.11	31.95
22 42 39 00-0115	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	860.36	31.95
22 42 39 00-0116	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,039.81	21.31
22 42 39 00-0117	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,261.69	53.26
22 42 39 00-0118	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	1,755.36	53.26
22 42 39 00-0119	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	1,812.96	53.26
22 42 39 00-0120	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	168.73	32.40
22 42 39 00-0121	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	183.06	32.40
22 42 39 00-0122	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	195.57	32.40
22 42 39 00-0123	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	763.79	21.31
22 42 39 00-0124		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0125	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	239.74	30.16
22 42 39 00-0126	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	217.81	39.79
22 42 39 00-0127	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	236.60	30.16
22 42 39 00-0128	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	154.09	43.23
22 42 39 00-0129	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	279.82	32.76
22 42 39 00-0130	EA	Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF)	305.06	32.76
22 42 39 00-0131	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	283.43	32.76
22 42 39 00-0132	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	237.87	32.76
22 42 39 00-0133		**Electronic Infrared Sensor Faucets** *(22 42 39)*		
22 42 39 00-0134	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	443.48	71.06
		For Faucet With Temperature Control, Add	*40.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0135	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	447.41	71.06
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0136	EA	Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	594.03	77.20
22 42 39 00-0137	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	616.05	71.06
22 42 39 00-0138	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	905.52	77.20
22 42 39 00-0139	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,127.17	77.20
22 42 39 00-0140	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,054.49	77.20
22 42 39 00-0141	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	741.69	71.06
22 42 39 00-0142	EA	Electronic Lavatory Faucet, AC Power, Deck Mount (T&S Brass EC1100)	602.90	71.06
22 42 39 00-0143	EA	Electronic Lavatory Faucet, AC Power, Wall Mount (T&S Brass EC1101)	635.27	71.06
22 42 39 00-0144	EA	Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC1102)	554.34	71.06
22 42 39 00-0145	EA	Electronic Lavatory Faucet, DC Power, Deck Mount (T&S Brass EC2100)	635.27	71.06
22 42 39 00-0146	EA	Electronic Lavatory Faucet, DC Power, Wall Mount (T&S Brass EC2101)	667.65	71.06
22 42 39 00-0147	EA	Electronic Lavatory Faucet, Spout Version, DC Power, Deck Mount (T&S Brass EC2102)	558.85	71.06
22 42 39 00-0148	EA	Electronic Lavatory Gooseneck Faucet, AC Power, Deck Mount (T&S Brass EC3100)	558.85	71.06
22 42 39 00-0149	EA	Electronic Lavatory Gooseneck Faucet, AC Power, Wall Mount (T&S Brass EC3101)	625.41	71.06
22 42 39 00-0150	EA	Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC3102)	535.00	71.06
22 42 39 00-0151	EA	Electronic Lavatory Faucet, Spout Version, AC Power, 4" Deck Mount (T&S Brass EC3103)	514.58	71.06
22 42 39 00-0152	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	883.37	71.06

22 42 39 00-0153 Singles *(22 42 39)*

22 42 39 00-0154	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	168.22	31.27

22 42 39 00-0155 Other Trim *(22 42 39)*

22 42 39 00-0156	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	14.12	4.63
22 42 39 00-0157	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	83.46	13.88
22 42 39 00-0158	EA	Basket Strainer Assembly (American Standard 055781-0070A)	36.93	11.57
22 42 39 00-0159	EA	1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout	104.35	24.19
22 42 39 00-0160	EA	1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	106.43	25.56
22 42 39 00-0161	EA	1-1/2" Cast Brass P-Trap With Cleanout	174.84	25.56

22 42 39 00-0162 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

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

22 42 39 00-0163	EA	Removal And Reinstallation Of Faucet	74.06	

22 42 43 Flushometers *(22 42)*

22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	196.92	29.05
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	191.31	29.05
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	219.85	29.05
22 42 43 00-0005	EA	Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140)	302.71	29.05
22 42 43 00-0006	EA	Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	334.89	29.05
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	599.06	29.05
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	603.95	29.05
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	636.41	29.05
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	592.83	29.05
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	269.88	29.05
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	508.00	29.05
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	295.36	29.05
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	260.57	29.05
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	258.62	25.56
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	280.48	25.56
22 42 43 00-0017	EA	Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN)	607.46	29.05
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	664.03	29.05
22 42 43 00-0019	EA	Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)	844.38	29.05
22 42 43 00-0020	EA	Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32)	844.38	29.05
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	551.37	29.05
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	546.56	29.05
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	270.95	25.56
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	84.89	4.59
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	520.53	29.05
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	210.95	29.05
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	565.47	29.05

22 42 43 00-0028 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0029	EA	Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	178.24	29.05
22 42 43 00-0030	EA	Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	191.23	29.05

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0031	EA	Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	253.31	29.05
22 42 43 00-0032	EA	Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	304.44	29.05
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	473.00	29.05
22 42 43 00-0034	EA	Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	632.12	29.05
22 42 43 00-0035	EA	Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	707.91	29.05
22 42 43 00-0036	EA	Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	465.40	29.05
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN) Note: 0.5 GPF.	607.46	29.05
22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	660.38	29.05
22 42 43 00-0039	EA	Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21) Note: 0.5 GPF.	1,036.28	29.05
22 42 43 00-0040	EA	Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13) Note: 0.13 GPF.	477.93	29.05
22 42 43 00-0041	EA	Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF) Note: 0.125 GPF.	202.63	29.05
22 42 43 00-0042	EA	Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZTR6203-ULF) Note: 0.125 GPF.	501.11	29.05
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	508.62	29.05
22 42 43 00-0044		Removal And Reinstallation Of Fixtures And Trim *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0045	EA	Removal And Reinstallation Of Flush Valve	115.71	
22 42 43 00-0046		Plumbing Control Transformers *(22 42 43)*		
22 42 43 00-0047	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	38.94	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		Standard Chemical Toilets *(22 42 46)*		
22 42 46 00-0002		Small Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	3,560.47	852.05
		For Extra Urinal, Add	*117.47*	
22 42 46 00-0004		Medium Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	4,229.96	1,014.80
		For Extra Urinal, Add	*138.98*	
22 42 46 00-0006		Large Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	5,148.85	1,151.13
		For Extra Urinal, Add	*192.83*	
22 43		Healthcare Plumbing Fixtures *(22 40)*		
22 43 13		**Healthcare Water Closets** *(22 43)*		
22 43 13 00-0001		Healthcare Water Closets *(22 43 13)*		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	718.42	88.61
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	561.38	88.61
22 43 16		**Healthcare Sinks** *(22 43)*		
22 43 16 00-0001		Healthcare Sinks *(22 43 16)* Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,122.59	57.09
		For Stainless Steel Rim Guards (Three Sides), Add	*106.71*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,193.87	164.02
		For Stainless Steel Rim Guards (Three Sides), Add	*106.71*	
		For Pedestal Base, Add	*489.24*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,075.61	57.09
		For Painted Bracket Supports, Add	*167.68*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	934.67	57.09
22 43 39		**Healthcare Faucets** *(22 43)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0001		**Medical Faucet Spouts** *(22 43 39)*		
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	93.60	12.78
22 43 39 00-0003		**Electronic Proximity Medical Faucets** *(22 43 39)*		
22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	544.99	62.54
		For Hard Wired AC Powered, Add	*24.30*	
22 43 39 00-0005		**Foot And Knee Faucet Controls** *(22 43 39)*		
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	299.32	113.66
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	344.55	113.66
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	693.22	113.66
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	620.98	113.66
22 43 39 00-0010		**Centerset Medical Faucets** *(22 43 39)*		
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	378.49	62.54
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	382.59	62.54
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	382.17	62.54
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	343.25	62.54
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	329.32	62.54
22 43 39 00-0016		**Bedpan Washers** *(22 43 39)*		
22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	888.07	113.66
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	845.17	113.66
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	832.47	113.66
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	820.11	113.66
22 43 43		**Healthcare Plumbing Fixture Flushometers** *(22 43)*		
22 43 43 00-0001		**Healthcare Plumbing Fixture Flushometers** *(22 43 43)*		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	212.22	29.05
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	486.36	29.05
22 43 46		**Patient Care Fixtures** *(22 43)*		
22 43 46 00-0001		**Modular Patient Care Units** *(22 43 46)*		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	11,055.48	170.41
		For SDB Single Temperature Dialysis Box, Add	*794.76*	
		For DDB Dual Temperature Dialysis Box, Add	*844.12*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*651.07*	
		For LOCK Flush Valve Lockout Device, Add	*447.98*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	8,726.69	149.11
		For SDB Single Temperature Dialysis Box, Add	*794.76*	
		For DDB Dual Temperature Dialysis Box, Add	*844.12*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*651.07*	
		For LOCK Flush Valve Lockout Device, Add	*447.98*	
22 43 46 00-0004		**Patient Care Plumbing Accessories** *(22 43 46)*		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,048.89	23.14
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,154.28	23.14
22 45		**Emergency Plumbing Fixtures** *(22 40)*		
22 45 13		**Emergency Showers** *(22 45)*		
22 45 13 00-0001		**Emergency Drench Showers** *(22 45 13)*		
22 45 13 00-0002		**Emergency Drench Showers (Haws)** *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	536.25	149.11
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	610.12	149.11
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	651.16	149.11

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	774.28	149.11
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,028.72	149.11
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	825.08	170.41
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	904.62	191.72
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	826.64	191.72
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	843.06	191.72
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,150.85	191.72
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	456.85	149.11
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	468.70	149.11
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	710.08	170.41
22 45 13 00-0017		Emergency Drench Showers (Guardian) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0018	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	3,144.15	149.11
22 45 13 00-0019		Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0020	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	507.12	149.11
22 45 13 00-0021	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	516.25	149.11
22 45 13 00-0022	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	963.62	149.11
22 45 13 00-0023	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	767.52	191.72
22 45 13 00-0024	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	974.21	191.72
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	221.92	4.26
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,085.19	191.72
22 45 16 00-0005		Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*		
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	414.38	42.60
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	414.38	42.60
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	421.30	42.60
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	421.30	42.60
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	548.37	42.60
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	619.96	42.60
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	619.96	42.60
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,119.22	42.60
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,119.22	42.60
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,169.59	42.60
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,169.59	42.60
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	1,434.65	42.60
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	1,434.65	42.60
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	820.52	149.11
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	810.75	149.11
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	618.18	149.11
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	821.26	149.11
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	545.68	149.11
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,313.15	12.78
22 45 26		**Eye/Face Wash Equipment** *(22 45)*		
22 45 26 00-0001		Emergency Eye/Face Wash Equipment *(22 45 26)*		
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	570.05	106.51
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	581.39	149.11
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	569.08	149.11
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	617.51	149.11
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	622.43	149.11
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	680.71	149.11
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	913.81	149.11
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,693.55	149.11
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	710.17	170.41
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	804.56	170.41
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,756.67	170.41
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	466.87	42.60
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	450.46	42.60
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	470.98	42.60
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	589.99	42.60
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,460.22	213.01
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	1,748.47	170.41
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	1,804.95	213.01
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,101.40	170.41
22 45 26 00-0022		Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*		
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	506.22	149.11
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	615.30	170.41
22 45 26 00-0025		Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*		
22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	745.62	149.11
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	948.69	149.11
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	922.88	149.11
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	861.27	149.11
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	434.53	42.60
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	434.53	42.60
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	422.52	42.60
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	422.52	42.60
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	628.99	42.60
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	628.99	42.60
22 45 29		**Hand-Held Emergency Drench Hoses** *(22 45)*		
22 45 29 00-0001		Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*		
22 45 29 00-0002		Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*		
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	500.49	53.26
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	574.36	53.26
22 45 29 00-0005		Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*		
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	348.69	53.26
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	324.58	53.26
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	466.48	53.26
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	439.64	53.26
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	449.25	53.26
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	575.79	53.26

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	659.95	53.26
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	631.41	53.26

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	2,954.63	276.92
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,018.93	276.92
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,423.86	276.92
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,232.34	276.92
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	1,653.68	276.92
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,559.29	276.92
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,341.78	276.92
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,158.46	276.92
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	2,359.56	276.92
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,404.70	276.92
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	2,679.66	276.92
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	2,839.72	276.92
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	2,794.57	276.92
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	4,148.87	276.92
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	4,370.48	276.92
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	9,172.07	276.92
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,341.78	276.92
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,510.04	276.92

22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,160.71	276.92

22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*

22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	2,977.75	231.42
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	3,038.95	231.42
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,314.13	231.42
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,218.91	231.42
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	1,517.21	231.42

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	529.21	53.26
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	771.35	53.26
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,128.39	53.26
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,329.48	53.26
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	1,879.41	53.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	1,982.00	53.26
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,323.99	53.26
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	3,992.93	53.26
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	590.77	53.26

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	136.69	17.04
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	190.04	17.04
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	198.25	17.04
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	217.98	6.39
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	221.92	4.26
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	242.76	8.52
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	435.60	63.91
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	440.75	27.49
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	654.15	27.49
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	771.35	63.91
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,454.42	27.49
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,619.64	91.63
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,652.48	91.63
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	3,056.02	91.63
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	5,805.65	91.63

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	723.92	63.91

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	92.21	13.88

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets And Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	3,298.96	213.01
		For Angled Toilet, Add	*21.30*	
		For Offset Toilet, Add	*308.59*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	4,038.99	213.01
		For Angled Toilet, Add	*21.30*	
		For Offset Toilet, Add	*382.60*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	4,103.83	213.01
		For Angled Toilet, Add	*21.30*	
		For Offset Toilet, Add	*389.08*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	351.15	42.60

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	3,967.32	191.72
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	6,789.23	272.40

22 46 13 19 Security Combination Toilet - Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	6,113.16	264.14
		For Angled Toilet, Add	*26.41*	
		For Offset Toilet, Add	*584.90*	
		For 15" Mirror/Shelf Module, Add	*814.14*	
		For AC Duplex Outlet Option, Add	*82.83*	
		For Intercom Option, Add	*127.83*	
		For 15" Wide Light/Ventilation Module, Add	*793.48*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	6,292.98	276.92
		For Angled Toilet, Add	*27.69*	
		For Offset Toilet, Add	*601.61*	
		For 18" Mirror/Shelf Module, Add	*851.92*	
		For AC Duplex Outlet Option, Add	*85.38*	
		For Intercom Option, Add	*130.38*	
		For 18" Wide Light/Ventilation Module, Add	*816.15*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	6,425.86	289.70
		For Angled Toilet, Add	*28.97*	
		For Offset Toilet, Add	*613.62*	
		For 20" Mirror/Shelf Module, Add	*899.70*	
		For AC Duplex Outlet Option, Add	*87.94*	
		For Intercom Option, Add	*132.94*	
		For 20" Wide Light/Ventilation Module, Add	*848.82*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	6,885.16	302.48
		For Angled Toilet, Add	*30.25*	
		For Offset Toilet, Add	*658.27*	
		For 26" Mirror/Shelf Module, Add	*937.48*	
		For AC Duplex Outlet Option, Add	*90.50*	
		For Intercom Option, Add	*135.50*	
		For 26" Wide Light/Ventilation Module, Add	*876.49*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	11,286.08	315.26
		For Angled Toilet, Add	*31.53*	
		For Offset Toilet, Add	*1,097.08*	
		For 28" Mirror/Shelf Module, Add	*970.26*	
		For AC Duplex Outlet Option, Add	*93.05*	
		For Intercom Option, Add	*138.05*	
		For 28" Wide Light/Ventilation Module, Add	*904.16*	

22 46 16 Security Lavatories And Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	2,382.53	149.11
		For Shelf, Add	*79.73*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	2,425.46	149.11
		For Shelf, Add	*79.73*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,787.94	149.11
		For Shelf, Add	*79.73*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	2,425.46	149.11
		For Shelf, Add	*79.73*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	5,228.55	227.07

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	794.44	113.75
22 46 19 00-0002	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	603.40	59.65
22 46 19 00-0003	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	13,914.79	340.82
22 46 19 00-0004	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	14,433.48	340.82
22 46 19 00-0005	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	14,967.30	340.82
22 46 19 00-0006	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	19,147.10	340.82
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,330.86	89.47
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,631.27	89.47
		For PWT Electronic FV, Add	*148.00*	

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,690.87	170.41
22 46 56 00-0003	EA	Wall Mounted ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,711.57	170.41

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 47 Drinking Fountains And Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)		1,416.54	138.46
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)		2,056.28	149.11
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)		1,861.09	138.46
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)		2,216.37	149.11
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)		955.22	138.46
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)		1,140.09	149.11
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)		1,078.20	138.46
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)		1,306.33	149.11

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)		984.22	149.11
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)		1,390.16	149.11
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)		1,900.87	149.11

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)		1,316.79	159.76
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)		2,801.13	159.76

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)		1,408.41	170.41
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)		2,547.18	170.41

22 47 13 00-0021 Countertop Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)		589.45	106.51
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)		568.02	106.51
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)		685.50	106.51

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)		500.27	106.51
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)		599.86	106.51

22 47 13 00-0028 Multi-Station Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0029	EA	Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)		2,645.79	170.41
22 47 13 00-0030	EA	Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)		3,321.47	170.41
22 47 13 00-0031	EA	Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)		2,524.79	170.41
22 47 13 00-0032	EA	White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)		2,133.01	170.41
22 47 13 00-0033	EA	White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435)		2,680.09	170.41
22 47 13 00-0034	EA	Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)		2,344.22	217.38
22 47 13 00-0035	EA	Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)		3,071.69	170.41
22 47 13 00-0036	EA	Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408)		3,019.07	170.41

22 47 13 00-0037 Outdoor Drinking Fountains *(22 47 13)*

22 47 13 00-0038 Face Mounted Outdoor Drinking Fountains *(22 47 13 00-0037)*

22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)		1,232.49	170.41
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)		1,348.93	170.41

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,298.37	170.41
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,894.34	170.41
22 47 13 00-0043	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM) Note: For use with remote chillers	1,089.94	170.41
22 47 13 00-0044		Free Standing Outdoor Drinking Fountains *(22 47 13 00-0037)*		
22 47 13 00-0045	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,318.87	159.76
22 47 13 00-0046	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,248.07	159.76
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,315.78	159.76
22 47 13 00-0048	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,188.72	159.76
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,437.14	170.41
22 47 13 00-0050	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	3,499.19	170.41
22 47 13 00-0051	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,313.83	159.76
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,251.46	159.76
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,180.66	159.76
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,741.26	170.41
22 47 13 00-0055	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	5,241.16	170.41
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,658.08	170.41
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,836.57	170.41
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,275.39	170.41
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,321.35	170.41
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,465.36	170.41
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,520.52	170.41
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,131.37	170.41
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,307.56	170.41
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,032.55	170.41
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,543.75	170.41
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	1,727.70	255.62
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,517.32	170.41
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	2,932.00	191.72
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,576.74	191.72
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,182.99	191.72
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,227.41	149.11
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,317.04	149.11
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,492.46	149.11
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,658.69	149.11
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	428.80	85.21
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	511.13	85.21
22 47 16 00-0029		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	2,941.87	255.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	4,486.97	255.62
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,870.95	255.62
22 47 16 00-0033		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0034		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,314.90	106.51
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,253.73	106.51
22 47 16 00-0037		Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,167.96	159.76
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,596.94	159.76
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	414.84	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	92.57	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,131.29	170.41
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	3,959.30	170.41
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,080.62	191.72
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,488.71	191.72
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	5,896.80	191.72
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	756.97	57.51
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,148.17	63.91
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	988.69	74.55
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,271.21	85.21
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	1,990.71	127.81
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,158.30	138.46
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	350.30	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For Bi-Level Carrier, Add	*189.60*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	379.52	32.38
		For Up To 4" Extension Sleeves And Hardware, Add	*16.15*	
		For Bi-Level Carrier, Add	*189.60*	

22 50 Pool And Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	234.80	19.17

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001		Swimming Pool Heaters *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0002		**Electric Pool Heaters** *(22 51 19 00-0001)*		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,599.50	170.41
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	5,151.85	183.19
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,708.93	213.01
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,999.52	255.62
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,488.92	357.86
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,290.72	511.23
22 51 19 00-0009		**Gas Fired Pool Heaters** *(22 51 19 00-0001)*		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	3,299.95	393.38
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	3,802.17	467.14
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	5,006.63	819.55
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	6,028.14	983.46
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	6,388.19	1,090.53
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	7,485.86	1,328.48
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	11,814.06	1,594.17
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	13,659.76	1,771.31
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	15,376.89	1,913.01
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	19,635.44	2,258.42
22 51 19 00-0020		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	11,686.54	656.04
22 51 19 00-0022	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	13,034.68	656.04
22 51 19 00-0023	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	15,765.05	828.22
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	21,133.85	1,336.65
22 51 19 00-0025		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite	11,855.24	2,224.52
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite	14,099.30	2,669.42
22 51 19 00-0028		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System	2,004.72	289.27
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System	2,975.46	385.73
22 51 19 00-0031		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	242.94	85.21
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	481.83	127.81
22 51 19 00-0034		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0035		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0034)* Note: Delta ELP Amalgam Series		
22 51 19 00-0036	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	8,728.64	265.76
22 51 19 00-0037	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	9,222.64	265.76
22 51 19 00-0038	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	9,646.07	265.76
22 51 19 00-0039	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	9,953.64	281.32
22 51 19 00-0040	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	10,163.48	281.32
22 51 19 00-0041	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	12,068.87	281.32
22 51 19 00-0042	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	14,298.13	495.24
22 51 19 00-0043	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,115.91	495.24
22 51 19 00-0044	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	23,164.18	495.24
22 51 19 00-0045	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	24,863.62	594.12
22 51 19 00-0046	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,688.11	594.12
22 51 19 00-0047	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	27,961.83	594.12
22 51 19 00-0048	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	29,338.81	594.12
22 51 19 00-0049	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,526.48	675.33
22 51 19 00-0050	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,936.20	675.33
22 51 19 00-0051	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	36,345.92	675.33
22 51 19 00-0052	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,272.00	675.33
22 51 19 00-0053		**HDPE Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0034)* Note: Delta EL Series		
22 51 19 00-0054	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,399.77	265.76
22 51 19 00-0055	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,881.70	265.76
22 51 19 00-0056	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,387.08	281.32
22 51 19 00-0057		**In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0034)* Note: Delta EM Series		
22 51 19 00-0058	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,792.60	265.76

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0059	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,964.71	265.76
22 51 19 00-0060	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,179.51	495.24
22 51 19 00-0061	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,978.28	495.24
22 51 19 00-0062	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,023.93	594.12
22 51 19 00-0063	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	36,139.38	675.33
22 51 19 00-0064	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,637.28	873.91
22 51 19 00-0065	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	47,800.95	873.91

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities *(22)*

22 63 Gas Systems For Laboratory And Healthcare Facilities *(22 60)*

22 63 13 Gas Piping For Laboratory And Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2084 for PVC piping.

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

22 66 53 Laboratory Chemical-Waste And Vent Piping *(22 66)*

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

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

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

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.06	4.86
		For Schedule 80, Add	*4.02*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*3.44*	
		For Work In Restricted Working Space, Add	*2.20*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.69	5.45
		For Schedule 80, Add	*5.44*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*4.65*	
		For Work In Restricted Working Space, Add	*2.47*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	30.81	7.92
		For Schedule 80, Add	*9.82*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*8.41*	
		For Work In Restricted Working Space, Add	*3.58*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	42.31	10.31
		For Schedule 80, Add	*13.95*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*11.93*	
		For Work In Restricted Working Space, Add	*4.65*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	71.06	15.17
		For Schedule 80, Add	*25.14*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*21.51*	
		For Work In Restricted Working Space, Add	*6.82*	

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

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	58.69	18.32
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	75.02	24.19
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	107.36	27.70
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	159.71	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	338.56	54.10
		For Work In Restricted Working Space, Add	*24.34*	

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

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	58.15	18.32
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	73.61	24.19
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	110.05	27.70
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	132.64	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	296.61	54.10
		For Work In Restricted Working Space, Add	*24.34*	

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

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	97.52	39.20
		For Work In Restricted Working Space, Add	*17.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	120.52	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	174.04	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	245.62	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	447.07	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0027		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	120.46	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	167.55	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	161.79	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	230.83	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	236.41	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	405.90	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0034		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	116.44	39.20
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	125.10	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	188.04	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	252.08	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	367.24	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0040		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	108.14	39.20
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	130.36	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	179.90	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	250.48	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	535.89	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0046		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	143.36	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	173.22	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	173.22	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	244.71	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	244.71	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	459.38	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	463.86	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	407.78	113.66
		For Work In Restricted Working Space, Add	*51.12*	
22 66 53 00-0055		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	134.22	48.99
		For Work In Restricted Working Space, Add	*22.04*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	165.41	61.77
		For Work In Restricted Working Space, Add	*27.79*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	247.06	67.65
		For Work In Restricted Working Space, Add	*30.43*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	351.20	88.78
		For Work In Restricted Working Space, Add	*39.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	646.70	142.04
		For Work In Restricted Working Space, Add	*63.90*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	94.05	39.20
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	125.66	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	147.12	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	209.12	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	110.31	49.42
		For Work In Restricted Working Space, Add	*22.23*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	140.95	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	143.43	54.10
		For Work In Restricted Working Space, Add	*24.34*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	199.94	71.06
		For Work In Restricted Working Space, Add	*31.95*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	201.51	71.06
		For Work In Restricted Working Space, Add	*31.95*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	112.43	45.50
		For Work In Restricted Working Space, Add	*20.45*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	150.60	59.82
		For Work In Restricted Working Space, Add	*26.91*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	241.53	81.21
		For Work In Restricted Working Space, Add	*36.52*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	356.26	103.36
		For Work In Restricted Working Space, Add	*46.48*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	57.21	18.32
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	67.25	24.19
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.91	27.70
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	110.24	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	163.92	54.10
		For Work In Restricted Working Space, Add	*24.34*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	53.49	18.32
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	70.07	24.19
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	85.08	27.70
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	115.31	36.64
		For Work In Restricted Working Space, Add	*16.49*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	48.85	18.32
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	61.73	24.19
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	72.48	27.70
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	95.86	36.64
		For Work In Restricted Working Space, Add	*16.49*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	140.58	54.10
		For Work In Restricted Working Space, Add	*24.34*	

22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0094 Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	18.43	4.69
		For Work In Restricted Working Space, Add	*2.81*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	22.56	5.11
		For Work In Restricted Working Space, Add	*3.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	31.31	7.16
		For Work In Restricted Working Space, Add	*4.31*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	49.40	9.29
		For Work In Restricted Working Space, Add	*5.58*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	80.60	12.70
		For Work In Restricted Working Space, Add	*7.61*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	60.93	20.87
		For Work In Restricted Working Space, Add	*12.50*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	68.55	22.15
		For Work In Restricted Working Space, Add	*13.27*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	90.34	25.14
		For Work In Restricted Working Space, Add	*15.08*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	130.44	33.23
		For Work In Restricted Working Space, Add	*19.94*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	287.02	46.01
		For Work In Restricted Working Space, Add	*27.61*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	61.12	20.96
		For Work In Restricted Working Space, Add	*12.56*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	68.21	21.90
		For Work In Restricted Working Space, Add	*13.16*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	90.17	25.05
		For Work In Restricted Working Space, Add	*15.03*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	130.44	33.23
		For Work In Restricted Working Space, Add	*19.94*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	287.00	46.01
		For Work In Restricted Working Space, Add	*27.60*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	61.65	20.96
		For Work In Restricted Working Space, Add	*12.56*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	68.84	21.90
		For Work In Restricted Working Space, Add	*13.16*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	91.28	25.05
		For Work In Restricted Working Space, Add	*15.03*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	130.44	33.23
		For Work In Restricted Working Space, Add	*19.94*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	61.65	20.96
		For Work In Restricted Working Space, Add	*12.56*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	68.84	21.90
		For Work In Restricted Working Space, Add	*13.16*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	91.28	25.05
		For Work In Restricted Working Space, Add	*15.03*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	130.44	33.23
		For Work In Restricted Working Space, Add	*19.94*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	69.16	20.96
		For Work In Restricted Working Space, Add	*12.56*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	79.63	21.90
		For Work In Restricted Working Space, Add	*13.16*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	97.20	31.36
		For Work In Restricted Working Space, Add	*18.83*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	117.05	32.47
		For Work In Restricted Working Space, Add	*19.48*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	111.01	32.89
		For Work In Restricted Working Space, Add	*19.75*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	145.20	37.58
		For Work In Restricted Working Space, Add	*22.55*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	230.64	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	348.27	69.02
		For Work In Restricted Working Space, Add	*41.42*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	94.12	31.53
		For Work In Restricted Working Space, Add	*18.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	96.68	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	121.33	37.49
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	182.84	49.85
		For Work In Restricted Working Space, Add	*29.91*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	360.78	69.02
		For Work In Restricted Working Space, Add	*41.41*	

22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	95.83	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	111.69	35.36
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	117.65	36.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	149.74	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	155.70	44.31
		For Work In Restricted Working Space, Add	*26.58*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	162.84	45.59
		For Work In Restricted Working Space, Add	*27.35*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	270.52	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	289.39	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	298.81	62.63
		For Work In Restricted Working Space, Add	*37.58*	

22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	131.16	41.75
		For Work In Restricted Working Space, Add	*25.05*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	135.41	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	170.57	50.27
		For Work In Restricted Working Space, Add	*30.16*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	267.12	66.46
		For Work In Restricted Working Space, Add	*39.87*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	457.77	92.02
		For Work In Restricted Working Space, Add	*55.22*	

22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	133.70	43.03
		For Work In Restricted Working Space, Add	*25.82*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	151.79	46.01
		For Work In Restricted Working Space, Add	*27.61*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	159.13	46.87
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	221.59	54.10
		For Work In Restricted Working Space, Add	*32.47*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	220.76	55.38
		For Work In Restricted Working Space, Add	*33.23*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	236.18	58.37
		For Work In Restricted Working Space, Add	*35.03*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	306.54	68.16
		For Work In Restricted Working Space, Add	*40.89*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	331.22	71.15
		For Work In Restricted Working Space, Add	*42.68*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	374.19	79.24
		For Work In Restricted Working Space, Add	*47.54*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	101.50	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	104.05	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	130.48	37.49
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	197.20	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	378.02	69.02
		For Work In Restricted Working Space, Add	*41.42*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	103.19	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	119.38	35.36
		For Work In Restricted Working Space, Add	*21.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	122.19	36.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	151.43	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	154.91	44.31
		For Work In Restricted Working Space, Add	*26.58*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	180.13	45.59
		For Work In Restricted Working Space, Add	*27.36*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	320.98	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	335.74	62.63
		For Work In Restricted Working Space, Add	*37.57*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	114.14	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	125.48	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	157.49	37.49
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	258.76	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	378.02	69.02
		For Work In Restricted Working Space, Add	*41.42*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	95.71	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	98.26	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	127.64	37.49
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	189.88	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	355.96	69.02
		For Work In Restricted Working Space, Add	*41.42*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	97.40	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	114.95	35.36
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	118.03	36.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	156.07	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	157.54	44.31
		For Work In Restricted Working Space, Add	*26.58*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	169.07	45.59
		For Work In Restricted Working Space, Add	*27.36*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	263.64	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	299.07	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	324.37	62.63
		For Work In Restricted Working Space, Add	*37.57*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	147.06	41.75
		For Work In Restricted Working Space, Add	*25.05*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	151.33	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	195.26	50.27
		For Work In Restricted Working Space, Add	*30.16*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	292.33	66.46
		For Work In Restricted Working Space, Add	*39.86*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	471.43	92.02
		For Work In Restricted Working Space, Add	*55.23*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	149.60	43.03
		For Work In Restricted Working Space, Add	*25.81*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	155.57	46.01
		For Work In Restricted Working Space, Add	*27.60*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	174.54	46.87
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	211.71	54.10
		For Work In Restricted Working Space, Add	*32.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	222.03	55.38
		For Work In Restricted Working Space, Add	*33.23*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	255.47	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	376.63	68.16
		For Work In Restricted Working Space, Add	*40.88*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	394.99	71.15
		For Work In Restricted Working Space, Add	*42.69*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	424.95	79.24
		For Work In Restricted Working Space, Add	*47.55*	
22 66 53 00-0217		Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	104.04	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	106.95	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	132.80	37.49
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	192.57	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	348.43	69.02
		For Work In Restricted Working Space, Add	*41.42*	
22 66 53 00-0223		Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	106.09	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	116.27	35.36
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	123.30	36.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	152.91	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	158.22	44.31
		For Work In Restricted Working Space, Add	*26.58*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	169.86	45.59
		For Work In Restricted Working Space, Add	*27.36*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	264.12	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	294.49	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	303.31	62.63
		For Work In Restricted Working Space, Add	*37.57*	
22 66 53 00-0233		Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	139.16	41.75
		For Work In Restricted Working Space, Add	*25.05*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	157.96	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	205.27	50.27
		For Work In Restricted Working Space, Add	*30.16*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	315.60	66.46
		For Work In Restricted Working Space, Add	*39.86*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	508.58	92.02
		For Work In Restricted Working Space, Add	*55.23*	
22 66 53 00-0239		Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	142.91	43.03
		For Work In Restricted Working Space, Add	*25.81*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	174.21	46.01
		For Work In Restricted Working Space, Add	*27.60*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	172.85	46.87
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	224.67	54.10
		For Work In Restricted Working Space, Add	*32.47*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	224.09	55.38
		For Work In Restricted Working Space, Add	*33.23*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	248.15	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	342.70	68.16
		For Work In Restricted Working Space, Add	*40.88*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	363.92	71.15
		For Work In Restricted Working Space, Add	*42.69*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	421.26	79.24
		For Work In Restricted Working Space, Add	*47.55*	
22 66 53 00-0249		Glass Acid Resistant DWV Partition Crosses (Compact) *(22 66 53 00-0093)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	153.44	43.03
		For Work In Restricted Working Space, Add	*25.81*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact)	155.17	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	162.41	42.60
		For Work In Restricted Working Space, Add	*25.56*	
22 66 53 00-0253		Glass Acid Resistant DWV Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	141.73	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	154.55	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	177.61	37.49
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	256.28	49.85
		For Work In Restricted Working Space, Add	*29.90*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	460.69	69.02
		For Work In Restricted Working Space, Add	*41.42*	
22 66 53 00-0259		Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*		
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	143.10	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	162.03	35.36
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	171.37	36.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	200.30	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	210.25	44.31
		For Work In Restricted Working Space, Add	*26.58*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	228.41	45.59
		For Work In Restricted Working Space, Add	*27.36*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	323.14	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	364.92	62.63
		For Work In Restricted Working Space, Add	*37.57*	
22 66 53 00-0268		Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*		
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	59.45	21.31
		For Eccentric Reducers Or Increasers, Add	*1.35*	
		For Work In Restricted Working Space, Add	*12.78*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	71.02	23.01
		For Eccentric Reducers Or Increasers, Add	*2.00*	
		For Work In Restricted Working Space, Add	*13.80*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	74.88	23.43
		For Eccentric Reducers Or Increasers, Add	*2.24*	
		For Work In Restricted Working Space, Add	*14.06*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	93.66	27.26
		For Eccentric Reducers Or Increasers, Add	*3.13*	
		For Work In Restricted Working Space, Add	*16.36*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	96.93	27.70
		For Eccentric Reducers Or Increasers, Add	*3.32*	
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	102.86	28.97
		For Eccentric Reducers Or Increasers, Add	*3.59*	
		For Work In Restricted Working Space, Add	*17.38*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	181.05	33.65
		For Eccentric Reducers Or Increasers, Add	*9.10*	
		For Work In Restricted Working Space, Add	*20.19*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	189.11	34.09
		For Eccentric Reducers Or Increasers, Add	*9.68*	
		For Work In Restricted Working Space, Add	*20.45*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	199.94	35.36
		For Eccentric Reducers Or Increasers, Add	*10.34*	
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	212.20	39.62
		For Eccentric Reducers Or Increasers, Add	*10.64*	
		For Work In Restricted Working Space, Add	*23.77*	
22 66 53 00-0279		Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*		
22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	122.34	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	129.69	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	142.38	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	130.03	31.53
		For Work In Restricted Working Space, Add	*18.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	139.48	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	153.44	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	132.14	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	139.48	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	153.44	32.81
		For Work In Restricted Working Space, Add	*19.68*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	156.04	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	189.56	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	194.62	32.81
		For Work In Restricted Working Space, Add	*19.68*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	168.84	31.53
		For Work In Restricted Working Space, Add	*18.92*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	178.03	32.38
		For Work In Restricted Working Space, Add	*19.43*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	197.10	32.81
		For Work In Restricted Working Space, Add	*19.68*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	29.16	10.65
		For Work In Restricted Working Space, Add	*6.39*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	32.05	11.08
		For Work In Restricted Working Space, Add	*6.65*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	38.87	12.36
		For Work In Restricted Working Space, Add	*7.41*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	58.72	16.62
		For Work In Restricted Working Space, Add	*9.97*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	83.24	23.01
		For Work In Restricted Working Space, Add	*13.80*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	308.40	41.75
		For Work In Restricted Working Space, Add	*25.05*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	35.90	10.65
		For Work In Restricted Working Space, Add	*6.39*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	38.69	10.65
		For Work In Restricted Working Space, Add	*6.39*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	59.87	21.31
		For Work In Restricted Working Space, Add	*12.78*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	101.97	22.15
		For Work In Restricted Working Space, Add	*13.29*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	103.02	22.15
		For Work In Restricted Working Space, Add	*13.29*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	113.55	22.15
		For Work In Restricted Working Space, Add	*13.29*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	96.28	22.15
		For Work In Restricted Working Space, Add	*13.29*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	101.94	31.44
		For Work In Restricted Working Space, Add	*18.86*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	106.55	32.98
		For Work In Restricted Working Space, Add	*19.79*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	139.94	37.58
		For Work In Restricted Working Space, Add	*22.55*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	196.19	49.93
		For Work In Restricted Working Space, Add	*29.93*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	13.22
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	16.67
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	22.29
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	37.56
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	87.50

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0322		Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)* Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	17.04	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	21.33	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	36.21	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	53.97	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	131.60	
22 66 53 00-0328		Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)* Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	67.81	7.59
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	95.03	9.46
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	128.64	10.91
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	210.20	15.27
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	368.68	20.41
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	648.54	25.74
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,152.74	34.67
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,045.85	39.75
22 66 53 00-0338		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0328)*		
22 66 53 00-0339		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	282.62	64.59
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	364.92	71.06
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	582.44	85.04
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	858.12	100.86
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,948.61	163.99
22 66 53 00-0345		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	173.70	64.59
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	221.83	71.06
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	277.04	85.04
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	689.40	100.86
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,542.20	163.99
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,327.43	204.31
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,399.94	245.70
22 66 53 00-0353		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	173.70	64.59
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	221.83	71.06
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	277.04	85.04
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	514.28	100.86
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,315.82	163.99
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,911.30	204.31
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,695.50	245.70
22 66 53 00-0361		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	173.70	64.59
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	221.83	71.06
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	276.84	84.95
22 66 53 00-0365		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	229.23	64.59
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	390.55	71.06
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	439.35	85.04
22 66 53 00-0369		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	247.42	96.62
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	305.81	107.10
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	418.15	127.89
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	675.73	151.58
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,994.35	246.19
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,817.51	307.41

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	232.86	92.62
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	268.71	99.43
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	297.40	102.93
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	339.13	113.66
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	361.65	117.24
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	394.51	120.74
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	485.31	131.16
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	534.88	134.53
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	595.40	140.72
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	277.27	96.62
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	331.02	106.85
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	445.88	127.89
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	262.73	92.62
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	323.75	103.44
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	387.77	117.59
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	414.27	121.08
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	245.46	96.79
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	329.31	107.10
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	418.00	127.81
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	679.13	151.01
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	2,476.62	245.95
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	249.91	92.62
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	268.67	99.43
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	283.35	103.53
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	315.63	113.66
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	327.68	117.41
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	386.51	121.08
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	508.70	131.32
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	596.81	134.53
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	623.17	140.72
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,474.24	198.41
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,588.70	204.97
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,931.11	215.46
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	285.76	96.62
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	337.43	106.85
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	488.59	127.89
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	734.94	151.17
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	241.37	92.62
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	277.21	99.43
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	304.52	103.44
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	330.58	113.66
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	377.09	117.59
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	422.77	120.99
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	536.42	131.32
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	658.81	134.61
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	719.61	140.96
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	150.99	60.84
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	164.62	64.25
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	182.55	67.65
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	281.18	74.99

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	294.85	78.48
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	318.40	84.15
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	407.05	90.58
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	588.01	123.02
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	627.14	133.42
22 66 53 00-0439		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	396.67	142.04
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	507.73	142.04
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	517.69	142.04
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	590.96	187.66
22 66 53 00-0444		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	408.62	64.59
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	490.92	71.06
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	597.39	85.04
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,708.10	100.86
22 66 53 00-0449		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	214.28	64.59
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	266.68	71.06
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	362.47	85.04
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	462.67	100.86
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	881.61	140.72
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	4.28	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	39.15	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	53.69	5.71
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	61.05	6.31
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	83.95	7.92
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	105.58	9.20
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	206.68	45.25
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	224.05	51.12
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	302.37	56.41
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	364.93	68.16
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	123.39	45.25
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	146.37	50.61
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	185.19	56.58
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	240.30	67.65
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	142.15	47.80
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	123.39	45.25
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	146.37	50.61
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	185.19	56.58
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	240.30	67.65
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	142.61	45.25

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	176.26	50.61
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	264.21	56.58
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	297.96	67.65
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	138.34	45.25
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	163.45	50.61
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	244.99	56.58
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	278.74	67.65
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	208.85	68.08
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	174.68	68.08
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	213.21	76.69
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	275.49	85.46
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	407.51	102.33
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	200.34	73.79
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	241.00	79.58
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	255.89	82.39
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	275.08	90.92
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	300.34	93.47
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	323.81	96.28
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	175.02	68.33
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	204.67	76.69
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	266.95	85.46
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	407.51	102.33
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	194.51	74.21
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	234.57	79.49
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	245.59	82.65
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	275.49	91.17
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	301.10	93.99
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	317.76	96.54
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	258.17	91.00
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	324.34	102.42
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	409.06	113.32
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	528.90	136.24
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	283.35	96.37
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	315.34	102.08
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	370.82	107.70
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	409.44	119.29
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	486.85	125.33
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	283.74	91.00
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	332.68	102.25
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	465.55	113.92
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	642.30	136.42
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	304.65	96.37
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	390.05	102.08
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	411.34	107.70
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	441.42	119.21
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	552.39	124.82

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	191.44	67.82
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	221.75	76.69
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	266.95	85.46
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	431.00	102.33
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	211.08	73.87
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	234.91	79.76
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	254.13	82.65
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	337.42	91.17
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	345.95	93.99
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	383.96	96.54
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	298.50	90.83
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	371.05	102.16
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	522.60	113.58
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	627.78	136.67
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	323.87	96.37
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	383.62	101.99
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	400.66	107.70
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	445.69	119.21
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	552.39	124.82
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	142.87	48.32
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	159.94	51.12
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	187.67	59.65
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	217.36	56.66
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	230.15	59.48
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	242.94	62.29
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	130.12	39.79
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	150.75	44.99
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	176.71	50.95
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	310.87	62.03
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	59.56	22.66
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	69.97	25.31
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	76.58	28.29
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	97.72	33.82
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	227.63	44.99
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	236.06	50.61
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	289.84	56.58
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	368.43	67.65
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	311.69	48.40
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	424.86	54.02
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	512.26	59.65
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	636.14	71.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	412.29	51.38
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	642.61	56.83
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	429.07	51.12
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	642.61	56.83
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	384.22	51.12
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	450.40	56.83
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	441.88	51.12
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	952.28	56.83
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	574.27	56.83
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	168.53	45.50
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	217.64	51.12
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	89.56	34.09
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	155.75	36.97
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	119.44	42.60
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	162.43	48.48
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	177.02	51.12
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	196.22	53.93
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	210.93	59.48
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	196.26	54.02
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	206.89	56.83
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	223.72	62.29
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.64	59.65
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	307.26	71.06
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	51.26	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	59.80	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	64.07	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	70.48	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	386.47	22.75
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	147.31	11.33
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	271.18	11.33
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,396.27	113.66
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	1,716.58	119.38
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,131.84	11.33
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		Acid Neutralization Tank *(22 66 83 16)*		
22 66 83 16-0002		Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	418.49	173.57
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	752.68	240.68
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	939.86	347.13
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,207.94	462.83
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,548.05	555.40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,111.99	694.25
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,443.19	867.82
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	3,165.65	1,041.38
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,599.24	1,249.65
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	680.39	173.57
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,167.35	240.68
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,590.53	347.13
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,097.59	462.83
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,644.69	555.40
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,524.34	694.25
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,849.32	867.82
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,620.91	1,041.38
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	6,087.23	1,249.65
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	319.88	57.85
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	329.17	57.85
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	338.46	57.85
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	373.90	69.42

END OF SECTION 22

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*
Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	427.43
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	610.39
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	640.44
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	705.78
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,278.01
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	573.85
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	823.55
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	869.30
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	968.39
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,758.74
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	674.91
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	987.33
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	2,236.94
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,482.38
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	6,538.00

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping And Pumps Restoration *(23 01 20)*

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve	23.14
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	27.77
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	32.40
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	37.03
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	46.28
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	18.51
23 01 20 91-0008	EA	Lock Out/Tag Out Tag	2.62

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*
Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	125.74

23 01 20 91-0011 Freeze Pipe Using Nitrogen *(23 01 20 91)*
Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	1,151.42
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	2,302.83

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*
Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.53
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.09
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.22
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	4.41
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	5.43
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	6.86
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	9.04
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	10.85

23 01 20 91-0023 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	186.83

23 01 20 91-0025 Purge Liquid Systems *(23 01 20 91)*
Note: Includes collection and refilling/bleeding of system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System	304.68

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0027	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	435.15	
23 01 20 91-0028	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	521.39	
23 01 20 91-0029	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	551.19	
23 01 20 91-0030	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	1,052.27	
23 01 20 91-0031	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	405.57	
23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	578.75	
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	688.98	
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	732.59	
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,411.58	
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	500.00	
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	714.50	
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	1,927.31	
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,058.55	

23 01 20 91-0040 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0041 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0040)*

23 01 20 91-0042	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	1.90	
23 01 20 91-0043	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.16	
23 01 20 91-0044	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.42	
23 01 20 91-0045	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.71	
23 01 20 91-0046	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.93	

23 01 20 91-0047 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0040)*

23 01 20 91-0048	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.03	
23 01 20 91-0049	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.32	
23 01 20 91-0050	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.65	
23 01 20 91-0051	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.06	
23 01 20 91-0052	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	8.40	

23 01 20 91-0053 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0040)*

23 01 20 91-0054	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.07	
23 01 20 91-0055	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	3.39	
23 01 20 91-0056	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.74	
23 01 20 91-0057	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	6.20	
23 01 20 91-0058	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	8.58	

23 01 20 91-0059 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0060	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	227.42	
23 01 20 91-0061	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	285.74	
23 01 20 91-0062	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	393.29	
23 01 20 91-0063	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	596.22	
23 01 20 91-0064	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	734.36	
23 01 20 91-0065	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,101.73	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning ***(23 01 30)***

23 01 30 51-0001 Special Cleaning Of Ductwork *(23 01 30 51)*

Note: Includes sealing registers, grilles, diffusers as required.

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	3.09	
		For Exhaust Ductwork, Add	*0.77*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	3.86	
		For Exhaust Ductwork, Add	*0.97*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	5.18	
		For Exhaust Ductwork, Add	*1.30*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	7.31	
		For Exhaust Ductwork, Add	*1.83*	
23 01 30 51-0006	SF	Clean Duct Dampers	10.41	
23 01 30 51-0007	SF	Clean Duct Fire Dampers	20.81	
23 01 30 51-0008	SF	Clean Louver	8.33	
23 01 30 51-0009	EA	Clean Turning Vane Set	24.99	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	24.99	
23 01 30 51-0011	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	6.24	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	89.81	
		For Stainless Steel, Add	*67.22*	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	74.95	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	99.93	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit	99.93	
23 01 30 51-0016	EA	Clean Supply Or Return Fan	199.86	
23 01 30 51-0017	EA	Clean Exhaust Fan	174.88	
23 01 30 51-0018	EA	Clean Duct Coil	149.89	
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing, HEPA Vacuum Note: Excluding fan and coils.	5.00	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0020	EA	Clean Air Handling Unit Fan	199.86	
23 01 30 51-0021	EA	Clean Air Handling Unit Coil	299.79	
23 01 30 51-0022	SF	Clean Equipment Surfaces, Rust Reform And Prime	2.50	
23 01 30 51-0023	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	2.99	
23 01 30 51-0024	SF	HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.52	
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	697.42	
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.40	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Setup And Maintenance *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,982.79	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,112.67	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*598.28*	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,643.73	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,321.86	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,643.73	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	82.61	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	247.85	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	9.21	

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	198.27	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	247.86	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	346.98	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	6.30	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	7.29	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	8.31	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.68	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.62	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	17.28	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	24.79	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	37.17	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	49.57	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	61.96	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	74.36	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	86.74	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	74.36	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	99.14	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	123.93	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	148.71	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	173.49	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	198.27	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	236.71	

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,141.56	
23 01 50 61-0036	EA	Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,458.47	
23 01 50 61-0037	EA	Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler	1,862.42	
23 01 50 61-0038	EA	Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler	3,914.62	
23 01 50 61-0039	EA	Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler	2,857.87	
23 01 50 61-0040	EA	Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler	3,380.71	
23 01 50 61-0041	EA	Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler	6,314.20	
23 01 50 61-0042	EA	Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler	4,868.16	
23 01 50 61-0043	EA	Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler	5,299.77	

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0045	SF	Replace Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	89.69	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,189.41	
23 01 50 61-0047		Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	6,307.52	908.59
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	9,022.20	1,124.89
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	10,671.36	1,362.79
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	12,527.24	1,466.06
23 01 50 61-0052		Boiler And Chiller Water Treatment *(23 01 50 61)* Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	0.93	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	1.39	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	86.95	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		Cooling Tower Repairs *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	1,973.16	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,318.57	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,661.45	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	3,136.70	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,453.12	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	2,184.70	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,426.73	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,842.73	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	3,233.52	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,557.50	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	540.55	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	562.95	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	603.00	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	702.28	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	868.38	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	1,169.37	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	1,230.84	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	1,323.05	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	28.97	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	18.62	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001		Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*		
23 01 60 71-0002	LB	Recovery Of Refrigerant	7.26	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	13.60	

23 05 Common Work Results For HVAC *(23)*

23 05 13 Common Motor Requirements For HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001		Premium Efficient, Motors *(23 05 13)* Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.		
23 05 13 00-0002		Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)* Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003		Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*		
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	588.10	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	665.92	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	780.73	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	655.71	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	696.53	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	913.40	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	770.52	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	746.28	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	933.81	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	780.73	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	804.97	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.95	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	852.17	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	881.51	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,557.63	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,352.24	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,296.11	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,867.62	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,546.15	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,569.11	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,430.21	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,196.76	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,222.27	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,277.27	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,580.74	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,789.96	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,989.11	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,098.68	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,401.02	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,818.32	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,656.16	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,718.67	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,026.26	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,711.16	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,851.49	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,130.87	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,354.11	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,492.04	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,740.80	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,516.57	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,274.19	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,103.40	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,626.43	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,425.17	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,809.15	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,093.93	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,160.50	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,668.38	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,005.46	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,253.10	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,486.70	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,564.67	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,118.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,153.06	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,971.76	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,392.74	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,548.00	

23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	687.60	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	757.77	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	901.92	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	779.45	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	787.11	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	853.44	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	816.45	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	946.57	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	901.92	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,447.92	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,049.90	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	987.39	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,635.45	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,572.94	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,423.68	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,594.62	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,607.38	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	981.01	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,098.38	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,035.87	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,016.73	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,307.59	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,089.45	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,065.21	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,328.00	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,176.20	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,209.36	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,654.58	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,447.92	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,210.64	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,919.93	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,676.27	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,615.04	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,737.65	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,964.58	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,811.49	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,125.46	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,707.04	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,477.41	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,168.99	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,971.11	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,004.27	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,550.57	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,876.85	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,929.16	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,280.27	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,606.55	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,661.41	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,254.91	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,314.72	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,095.29	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,040.89	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,907.92	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,661.71	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,925.09	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,704.25	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,585.61	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,260.90	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,289.94	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,208.30	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,442.35	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,919.16	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,232.16	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,821.83	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,911.87	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,019.28	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,120.06	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,237.43	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,738.78	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,159.61	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,141.75	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,447.92	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,163.59	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,213.19	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,191.50	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,467.06	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,728.72	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,435.16	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,507.88	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,117.66	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,959.62	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,765.57	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,534.67	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,145.73	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,711.16	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,303.91	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,932.69	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,070.61	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,387.28	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,453.17	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,314.12	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,989.11	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,284.10	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,138.22	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.14	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,573.38	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,389.00	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,661.26	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,162.46	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,213.93	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,563.92	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,399.89	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,138.37	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,493.31	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,364.32	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,914.00	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,371.14	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,369.72	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,429.53	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,433.95	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,723.09	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,547.04	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,113.90	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,208.30	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,115.03	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,180.83	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,529.93	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,819.36	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,475.96	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,749.79	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,515.06	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,321.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,506.58	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,342.01	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,957.50	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,695.83	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,487.89	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,883.95	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,691.32	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,849.51	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	33,905.55	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,359.90	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,408.37	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,535.94	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,898.24	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,104.90	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,900.94	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,960.90	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,008.25	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,569.56	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,003.44	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,738.25	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,811.26	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,923.67	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,882.17	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,297.07	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,852.44	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	25,947.74	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	29,606.45	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	143.86	73.20
23 05 13 00-0218	EA	3/4 HP Motor Mounting	165.76	91.50
23 05 13 00-0219	EA	1 HP Motor Mounting	177.32	91.50
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	190.62	91.50
23 05 13 00-0221	EA	2 HP Motor Mounting	206.08	109.79
23 05 13 00-0222	EA	3 HP Motor Mounting	238.27	109.79
23 05 13 00-0223	EA	5 HP Motor Mounting	282.39	182.99
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	363.09	182.99
23 05 13 00-0225	EA	10 HP Motor Mounting	476.55	320.24
23 05 13 00-0226	EA	15 HP Motor Mounting	586.52	320.24
23 05 13 00-0227	EA	20 HP Motor Mounting	693.16	457.49
23 05 13 00-0228	EA	25 HP Motor Mounting	786.05	457.49
23 05 13 00-0229	EA	30 HP Motor Mounting	953.09	457.49
23 05 13 00-0230	EA	40 HP Motor Mounting	1,073.91	686.22
23 05 13 00-0231	EA	50 HP Motor Mounting	1,191.37	686.22
23 05 13 00-0232	EA	75 HP Motor Mounting	1,438.63	1,006.46
23 05 13 00-0233	EA	100 HP Motor Mounting	1,732.89	1,006.46
23 05 13 00-0234	EA	125 HP Motor Mounting	2,117.97	1,372.45
23 05 13 00-0235	EA	150 HP Motor Mounting	2,459.59	1,372.45
23 05 13 00-0236	EA	200 HP Motor Mounting	2,823.96	1,646.94

23 05 16 Expansion Fittings And Loops For HVAC Piping *(23 05)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0001		**Stainless Steel Bellows Type Expansion Joints** *(23 05 16)* Note: Includes internal sleeves and external covers.		
23 05 16 00-0002		**Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	173.17	74.64
		For 300 LB Rating, Add	*5.95*	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	194.33	84.18
		For 300 LB Rating, Add	*6.52*	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	226.92	96.49
		For 300 LB Rating, Add	*8.50*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	255.96	107.70
		For 300 LB Rating, Add	*10.20*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	276.81	115.75
		For 300 LB Rating, Add	*11.33*	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	319.93	136.21
		For 300 LB Rating, Add	*11.90*	
23 05 16 00-0009		**Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	638.17	74.59
		For 300 LB Rating, Add	*136.38*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	693.34	89.51
		For 300 LB Rating, Add	*145.30*	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	723.37	113.63
		For 300 LB Rating, Add	*145.32*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	779.35	123.60
		For 300 LB Rating, Add	*156.09*	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	856.06	144.92
		For 300 LB Rating, Add	*168.67*	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,032.20	242.95
		For 300 LB Rating, Add	*181.94*	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,410.17	260.48
		For 300 LB Rating, Add	*271.27*	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,292.35	289.43
		For 300 LB Rating, Add	*232.32*	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,663.92	369.82
		For 300 LB Rating, Add	*301.13*	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,120.87	450.22
		For 300 LB Rating, Add	*389.53*	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,796.38	341.04
		For 300 LB Rating, Add	*528.35*	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,573.50	643.17
		For 300 LB Rating, Add	*692.39*	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,649.20	707.48
		For 300 LB Rating, Add	*941.21*	
23 05 16 00-0023		**Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	642.67	102.30
		For 300 LB Rating, Add	*109.54*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	673.11	103.14
		For 300 LB Rating, Add	*116.70*	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	680.21	106.56
		For 300 LB Rating, Add	*116.72*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	734.12	116.19
		For 300 LB Rating, Add	*125.37*	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	816.58	136.65
		For 300 LB Rating, Add	*135.75*	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,128.19	272.10
		For 300 LB Rating, Add	*146.13*	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,414.73	272.30
		For 300 LB Rating, Add	*217.88*	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,348.92	301.49
		For 300 LB Rating, Add	*186.60*	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,655.44	344.50
		For 300 LB Rating, Add	*241.86*	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,093.93	422.08
		For 300 LB Rating, Add	*312.86*	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,720.68	511.64
		For 300 LB Rating, Add	*424.37*	
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,352.79	520.97
		For 300 LB Rating, Add	*577.65*	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,443.69	651.21
		For 300 LB Rating, Add	*785.25*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001		**Wall Seals And Sleeves** *(23 05 17)* Note: Up to 12" walls. Excludes drilling hole.		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0002		**Ductile Iron Wall Sleeve** *(23 05 17 00-0001)* Note: Includes rubber gasket seal.		
23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	93.19	40.56
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	113.01	47.37
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	137.39	56.83
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	198.39	85.21
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	258.08	113.58
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	319.58	142.04
23 05 17 00-0009		**Steel Pipe Sleeves** *(23 05 17 00-0001)* Note: Includes link seals 12" length.		
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	104.94	41.05
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	126.36	44.51
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	146.97	47.95
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	180.37	57.53
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	255.16	71.85
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	458.03	86.25
23 05 17 00-0016	EA	13.25" Inside Diameter Steel Pipe Sleeve With Link Seals	543.92	107.81
23 05 17 00-0017	EA	17.25" Inside Diameter Steel Pipe Sleeve With Link Seals	719.21	132.66
23 05 17 00-0018	EA	23.25" Inside Diameter Steel Pipe Sleeve With Link Seals	981.28	172.50
23 05 17 00-0019	EA	29.25" Inside Diameter Steel Pipe Sleeve With Link Seals	1,075.01	215.62

23 05 19 Meters And Gages For HVAC Piping *(23 05)*

23 05 19 00-0001		**Thermometers** *(23 05 19)*		
23 05 19 00-0002		**Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers** *(23 05 19 00-0001)* Note: Various ranges.		
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	93.52	29.64
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	110.58	29.64
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	110.58	29.64
23 05 19 00-0006		**Liquid Filled Industrial Union Connection Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	127.63	29.64
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	127.63	29.64
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.28	29.64
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	132.28	29.64
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	140.03	29.64
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	167.93	29.64
23 05 19 00-0013		**Liquid Filled Industrial Separable Socket Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	127.63	29.64
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	127.63	29.64
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.28	29.64
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	147.78	29.64
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.28	29.64
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	167.23	29.64
23 05 19 00-0020		**1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	143.40	55.56
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	143.34	55.56
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	33.07	11.57
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	42.22	11.57
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	162.79	11.57
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	162.79	11.57
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	210.22	11.57
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	489.50	11.57
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	87.52	11.57
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	190.44	11.57

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	300.63	11.57
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	300.63	11.57
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	300.63	11.57
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	55.06	9.26
23 05 19 00-0041	EA	1/4" Snubber Valve	37.99	9.26
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	24.60	13.89
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	22.22	13.89
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	25.09	13.89
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	5.37	4.63
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	62.07	23.15
23 05 19 00-0047	EA	1/4", 300 LB, Black Steel Union	64.35	9.26
23 05 19 00-0048	EA	1/4", Black Steel Coupling	20.22	9.26
23 05 19 00-0049	EA	1/4", 300 LB, Black Steel Plug	11.50	5.55
23 05 19 00-0050	EA	1/4", 150 LB, Black Steel Cap	12.07	5.55
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.07	
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	5.91	
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.04	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	66.11	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	55.45	14.17
23 05 19 00-0057		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	177.07	62.96
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	198.48	75.56
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	219.20	83.99
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	246.98	94.45
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	291.85	107.97
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	398.84	144.36
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	797.41	129.38
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*188.53*	
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,082.58	155.25
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*270.23*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	1,411.58	194.06
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*358.21*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,702.55	258.75
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*414.77*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	2,434.49	310.50
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*634.73*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	3,882.53	388.12
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,087.20*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	5,773.84	534.76
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,646.51*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	8,140.06	802.14
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,287.52*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	11,927.36	891.27
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,550.69*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	546.08	69.45
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0078		Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	102.85	13.48
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	107.47	14.18
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	116.04	14.91
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	131.57	20.09
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	157.40	24.34
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	180.05	30.82
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	251.27	35.64
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	279.65	42.12
23 05 19 00-0087		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	131.79	13.48
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	135.77	14.18
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	146.26	14.91
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	157.29	20.09
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	168.34	24.34
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	184.55	30.82
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	338.73	35.64
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	364.54	42.12
23 05 19 00-0096		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	187.74	13.48
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	198.15	14.18
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	215.07	14.91
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	235.75	20.09
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	271.23	24.34
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	289.38	30.82
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	570.25	35.64
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	602.49	42.12
23 05 19 00-0105		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	129.86	13.48
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	135.12	14.18
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	143.05	14.91
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	156.65	20.09
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	167.69	24.34
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	184.55	30.82
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	334.87	35.64
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	359.40	42.12
23 05 19 00-0114		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	186.45	13.48
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	200.72	14.18
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	218.93	14.91
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	235.75	20.09
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	271.23	24.34
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	291.95	30.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	570.25	35.64
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	602.49	42.12
23 05 19 00-0123		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	276.38	24.34
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	312.53	30.82
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	355.45	35.64
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	400.56	42.12
23 05 19 00-0128		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	612.16	97.20
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	688.36	123.39
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,002.21	144.85
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,520.09	242.84
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,423.76	289.32
23 05 19 00-0134		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	468.05	69.42
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	552.08	81.00
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	598.98	97.20
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	751.07	123.39
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,079.06	144.85
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,603.37	242.84
23 05 19 00-0141		Water Flow Switches *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	182.06	27.28
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	187.95	27.28
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	237.69	27.28
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	245.22	27.28
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	195.48	27.28
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	202.35	27.28
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	251.11	27.28
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	257.97	27.28
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	479.15	27.28
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	485.80	27.28
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	549.03	27.28
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	558.18	27.28
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	494.95	27.28
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	504.11	27.28
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	564.83	27.28
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	574.82	27.28

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0576 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).

23 05 23 00-0003	EA	1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	40.49	9.25
		For Work In Restricted Working Space, Add	*8.09*	
		For 150 LB Rating, Add	*1.35*	
		For 200 LB Rating, Add	*2.03*	
		For 250 LB Rating, Add	*3.38*	
		For 300 LB Rating, Add	*4.74*	
23 05 23 00-0004	EA	3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	41.90	9.25
		For Work In Restricted Working Space, Add	*8.51*	
		For 150 LB Rating, Add	*1.35*	
		For 200 LB Rating, Add	*2.03*	
		For 250 LB Rating, Add	*3.38*	
		For 300 LB Rating, Add	*4.74*	
23 05 23 00-0005	EA	1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	43.39	9.25
		For Work In Restricted Working Space, Add	*8.96*	
		For 150 LB Rating, Add	*1.35*	
		For 200 LB Rating, Add	*2.03*	
		For 250 LB Rating, Add	*3.38*	
		For 300 LB Rating, Add	*4.74*	
23 05 23 00-0006	EA	3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	56.40	10.18
		For Work In Restricted Working Space, Add	*12.08*	
		For 150 LB Rating, Add	*1.62*	
		For 200 LB Rating, Add	*2.42*	
		For 250 LB Rating, Add	*4.04*	
		For 300 LB Rating, Add	*5.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0007	EA	1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	73.11	11.57
		For Work In Restricted Working Space, Add	*14.62*	
		For 150 LB Rating, Add	*2.44*	
		For 200 LB Rating, Add	*3.66*	
		For 250 LB Rating, Add	*6.10*	
		For 300 LB Rating, Add	*8.54*	
23 05 23 00-0008	EA	1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	94.61	12.31
		For Work In Restricted Working Space, Add	*18.52*	
		For 150 LB Rating, Add	*3.29*	
		For 200 LB Rating, Add	*4.93*	
		For 250 LB Rating, Add	*8.22*	
		For 300 LB Rating, Add	*11.51*	
23 05 23 00-0009	EA	1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	112.65	14.25
		For Work In Restricted Working Space, Add	*21.36*	
		For 150 LB Rating, Add	*4.15*	
		For 200 LB Rating, Add	*6.22*	
		For 250 LB Rating, Add	*10.36*	
		For 300 LB Rating, Add	*14.51*	
23 05 23 00-0010	EA	2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	140.78	16.85
		For Work In Restricted Working Space, Add	*25.25*	
		For 150 LB Rating, Add	*5.66*	
		For 200 LB Rating, Add	*8.49*	
		For 250 LB Rating, Add	*14.16*	
		For 300 LB Rating, Add	*19.82*	
23 05 23 00-0011	EA	2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	275.12	22.75
		For Work In Restricted Working Space, Add	*34.08*	
		For 150 LB Rating, Add	*16.15*	
		For 200 LB Rating, Add	*24.23*	
		For 250 LB Rating, Add	*40.38*	
		For 300 LB Rating, Add	*56.53*	
		For Chain Operated Type, Add	*72.68*	
23 05 23 00-0012	EA	3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	324.15	26.42
		For Work In Restricted Working Space, Add	*39.32*	
		For 150 LB Rating, Add	*19.31*	
		For 200 LB Rating, Add	*28.96*	
		For 250 LB Rating, Add	*48.27*	
		For 300 LB Rating, Add	*67.57*	
		For Chain Operated Type, Add	*86.88*	
23 05 23 00-0013	EA	4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	609.05	29.82
		For Work In Restricted Working Space, Add	*44.73*	
		For 150 LB Rating, Add	*45.99*	
		For 200 LB Rating, Add	*68.99*	
		For 250 LB Rating, Add	*114.99*	
		For 300 LB Rating, Add	*160.98*	
		For Chain Operated Type, Add	*206.97*	

23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	106.57	14.25
		For Work In Restricted Working Space, Add	*21.36*	
		For 150 LB Rating, Add	*7.07*	
		For 250 LB Rating, Add	*12.38*	
		For Chain Operated Type, Add	*12.38*	
23 05 23 00-0016	EA	2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	219.23	16.85
		For Work In Restricted Working Space, Add	*25.25*	
		For 150 LB Rating, Add	*27.02*	
		For 250 LB Rating, Add	*47.28*	
		For Chain Operated Type, Add	*47.28*	
23 05 23 00-0017	EA	2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	316.77	22.75
		For Work In Restricted Working Space, Add	*34.08*	
		For 150 LB Rating, Add	*40.63*	
		For 250 LB Rating, Add	*71.11*	
		For Chain Operated Type, Add	*71.11*	
23 05 23 00-0018	EA	3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	397.64	26.42
		For Work In Restricted Working Space, Add	*39.32*	
		For 150 LB Rating, Add	*53.31*	
		For 250 LB Rating, Add	*93.30*	
		For Chain Operated Type, Add	*93.30*	
23 05 23 00-0019	EA	4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	866.66	29.82
		For Work In Restricted Working Space, Add	*44.73*	
		For 150 LB Rating, Add	*143.51*	
		For 250 LB Rating, Add	*251.14*	
		For Chain Operated Type, Add	*251.14*	

23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0021	EA	1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	285.67	97.20
		For Work In Restricted Working Space, Add	*36.54*	
		For 150 LB Rating, Add	*47.52*	
		For 250 LB Rating, Add	*81.94*	
		For 300 LB Rating, ASTM A182, Add	*224.77*	
		For Chain Operated Type, Add	*81.94*	
23 05 23 00-0022	EA	2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	325.66	123.39
		For Work In Restricted Working Space, Add	*46.28*	
		For 150 LB Rating, Add	*49.70*	
		For 250 LB Rating, Add	*85.70*	
		For 300 LB Rating, ASTM A182, Add	*248.53*	
		For Chain Operated Type, Add	*85.70*	
23 05 23 00-0023	EA	2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	360.55	123.54
		For Work In Restricted Working Space, Add	*46.48*	
		For 150 LB Rating, Add	*59.63*	
		For 250 LB Rating, Add	*102.82*	
		For 300 LB Rating, ASTM A182, Add	*283.09*	
		For Chain Operated Type, Add	*102.82*	
23 05 23 00-0024	EA	3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	438.32	144.85
		For Work In Restricted Working Space, Add	*54.39*	
		For 150 LB Rating, Add	*74.54*	
		For 250 LB Rating, Add	*128.52*	
		For 300 LB Rating, ASTM A182, Add	*347.68*	
		For Chain Operated Type, Add	*128.52*	
23 05 23 00-0025	EA	4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	647.03	242.84
		For Work In Restricted Working Space, Add	*91.29*	
		For 150 LB Rating, Add	*99.39*	
		For 250 LB Rating, Add	*171.36*	
		For 300 LB Rating, ASTM A182, Add	*494.88*	
		For Chain Operated Type, Add	*171.36*	
23 05 23 00-0026	EA	5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	770.47	260.39
		For Work In Restricted Working Space, Add	*97.49*	
		For 150 LB Rating, Add	*129.19*	
		For 250 LB Rating, Add	*222.75*	
		For 300 LB Rating, ASTM A182, Add	*607.98*	
		For Chain Operated Type, Add	*222.75*	
23 05 23 00-0027	EA	6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	911.19	289.32
		For Work In Restricted Working Space, Add	*108.89*	
		For 150 LB Rating, Add	*158.99*	
		For 250 LB Rating, Add	*274.12*	
		For 300 LB Rating, ASTM A182, Add	*729.72*	
		For Chain Operated Type, Add	*274.12*	
23 05 23 00-0028	EA	8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,367.41	369.69
		For Work In Restricted Working Space, Add	*137.77*	
		For 150 LB Rating, Add	*263.37*	
		For 250 LB Rating, Add	*454.09*	
		For 300 LB Rating, ASTM A182, Add	*1,137.79*	
		For Chain Operated Type, Add	*454.09*	
23 05 23 00-0029	EA	10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,761.95	450.06
		For Work In Restricted Working Space, Add	*168.77*	
		For 150 LB Rating, Add	*347.82*	
		For 250 LB Rating, Add	*599.69*	
		For 300 LB Rating, ASTM A182, Add	*1,480.67*	
		For Chain Operated Type, Add	*599.69*	
23 05 23 00-0030	EA	12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,395.40	546.50
		For Work In Restricted Working Space, Add	*204.57*	
		For 150 LB Rating, Add	*496.91*	
		For 250 LB Rating, Add	*856.75*	
		For 300 LB Rating, ASTM A182, Add	*2,054.45*	
		For Chain Operated Type, Add	*856.75*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	267.16	14.25
		For Work In Restricted Working Space, Add	*21.36*	
		For 175 LB Rating, Add	*97.98*	
		For 250 LB Rating, Add	*146.97*	
23 05 23 00-0033	EA	2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	337.47	16.85
		For Work In Restricted Working Space, Add	*25.25*	
		For 175 LB Rating, Add	*126.66*	
		For 250 LB Rating, Add	*189.99*	
23 05 23 00-0034	EA	2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	399.26	22.75
		For Work In Restricted Working Space, Add	*34.08*	
		For 175 LB Rating, Add	*142.83*	
		For 250 LB Rating, Add	*214.24*	
23 05 23 00-0035	EA	3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	446.27	26.42
		For Work In Restricted Working Space, Add	*39.32*	
		For 175 LB Rating, Add	*157.60*	
		For 250 LB Rating, Add	*236.39*	
23 05 23 00-0036	EA	4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	584.34	29.82
		For Work In Restricted Working Space, Add	*44.73*	
		For 175 LB Rating, Add	*217.62*	
		For 250 LB Rating, Add	*326.42*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0037		Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)* Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038	EA	1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	358.04	97.20
		For Work In Restricted Working Space, Add	*36.54*	
		For 150 LB Rating, Add	*35.44*	
		For 175 LB Rating, Add	*73.23*	
		For 250 LB Rating, Add	*153.56*	
		For Chain Operated Type, Add	*118.12*	
23 05 23 00-0039	EA	2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	397.52	123.39
		For Work In Restricted Working Space, Add	*46.28*	
		For 150 LB Rating, Add	*36.49*	
		For 175 LB Rating, Add	*75.41*	
		For 250 LB Rating, Add	*158.11*	
		For Chain Operated Type, Add	*121.63*	
23 05 23 00-0040	EA	2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	406.11	123.54
		For Work In Restricted Working Space, Add	*46.48*	
		For 150 LB Rating, Add	*37.68*	
		For 175 LB Rating, Add	*77.87*	
		For 250 LB Rating, Add	*163.27*	
		For Chain Operated Type, Add	*125.60*	
23 05 23 00-0041	EA	3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	457.67	144.85
		For Work In Restricted Working Space, Add	*54.39*	
		For 150 LB Rating, Add	*41.46*	
		For 175 LB Rating, Add	*85.68*	
		For 250 LB Rating, Add	*179.65*	
		For Chain Operated Type, Add	*138.19*	
23 05 23 00-0042	EA	4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	639.49	242.84
		For Work In Restricted Working Space, Add	*91.29*	
		For 150 LB Rating, Add	*50.28*	
		For 175 LB Rating, Add	*103.91*	
		For 250 LB Rating, Add	*217.87*	
		For Chain Operated Type, Add	*167.59*	
23 05 23 00-0043	EA	5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	792.63	260.39
		For Work In Restricted Working Space, Add	*97.49*	
		For 150 LB Rating, Add	*70.15*	
		For 175 LB Rating, Add	*144.97*	
		For 250 LB Rating, Add	*303.97*	
		For Chain Operated Type, Add	*233.83*	
23 05 23 00-0044	EA	6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	897.02	289.32
		For Work In Restricted Working Space, Add	*108.89*	
		For 150 LB Rating, Add	*80.11*	
		For 175 LB Rating, Add	*165.56*	
		For 250 LB Rating, Add	*347.15*	
		For Chain Operated Type, Add	*267.04*	
23 05 23 00-0045	EA	8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,362.50	369.69
		For Work In Restricted Working Space, Add	*137.77*	
		For 150 LB Rating, Add	*135.49*	
		For 175 LB Rating, Add	*280.01*	
		For 250 LB Rating, Add	*587.12*	
		For Chain Operated Type, Add	*451.63*	
23 05 23 00-0046	EA	10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,952.68	450.06
		For Work In Restricted Working Space, Add	*168.77*	
		For 150 LB Rating, Add	*208.52*	
		For 175 LB Rating, Add	*430.93*	
		For 250 LB Rating, Add	*903.57*	
		For Chain Operated Type, Add	*695.06*	
23 05 23 00-0047	EA	12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,443.76	546.50
		For Work In Restricted Working Space, Add	*204.57*	
		For 150 LB Rating, Add	*264.28*	
		For 175 LB Rating, Add	*546.17*	
		For 250 LB Rating, Add	*1,145.20*	
		For Chain Operated Type, Add	*880.93*	
23 05 23 00-0048	EA	14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,641.11	707.18
		For Work In Restricted Working Space, Add	*265.19*	
		For 150 LB Rating, Add	*563.57*	
		For 175 LB Rating, Add	*1,164.71*	
		For 250 LB Rating, Add	*2,442.13*	
23 05 23 00-0049	EA	16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,969.73	777.90
		For Work In Restricted Working Space, Add	*291.71*	
		For 150 LB Rating, Add	*749.60*	
		For 175 LB Rating, Add	*1,549.18*	
		For 250 LB Rating, Add	*3,248.28*	
23 05 23 00-0050	EA	18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	8,074.85	862.77
		For Work In Restricted Working Space, Add	*323.54*	
		For 150 LB Rating, Add	*1,049.46*	
		For 175 LB Rating, Add	*2,168.88*	
		For 250 LB Rating, Add	*4,547.66*	
23 05 23 00-0051	EA	20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	10,209.46	972.37
		For Work In Restricted Working Space, Add	*364.64*	
		For 150 LB Rating, Add	*1,349.10*	
		For 175 LB Rating, Add	*2,788.14*	
		For 250 LB Rating, Add	*5,846.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0052	EA	24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	13,899.11	1,193.37
		For Work In Restricted Working Space, Add	*447.51*	
		For 150 LB Rating, Add	*1,861.11*	
		For 175 LB Rating, Add	*3,846.29*	
		For 250 LB Rating, Add	*8,064.81*	
23 05 23 00-0053	EA	30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	28,796.66	1,944.75
		For Work In Restricted Working Space, Add	*729.28*	
		For 150 LB Rating, Add	*3,954.86*	
		For 175 LB Rating, Add	*8,173.37*	
		For 250 LB Rating, Add	*17,137.72*	
23 05 23 00-0054	EA	36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	36,741.24	2,593.00
		For Work In Restricted Working Space, Add	*972.38*	
		For 150 LB Rating, Add	*5,025.00*	
		For 175 LB Rating, Add	*10,384.99*	
		For 250 LB Rating, Add	*21,774.99*	
23 05 23 00-0055	EA	42" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	43,520.39	3,549.67
		For Work In Restricted Working Space, Add	*1,331.12*	
		For 150 LB Rating, Add	*5,862.50*	
		For 175 LB Rating, Add	*12,115.83*	
		For 250 LB Rating, Add	*25,404.15*	
23 05 23 00-0056	EA	48" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	52,418.76	4,437.08
		For Work In Restricted Working Space, Add	*1,663.91*	
		For 150 LB Rating, Add	*7,030.86*	
		For 175 LB Rating, Add	*14,530.44*	
		For 250 LB Rating, Add	*30,467.06*	
23 05 23 00-0057	EA	54" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	62,902.51	5,324.51
		For Work In Restricted Working Space, Add	*1,996.69*	
		For 150 LB Rating, Add	*8,437.03*	
		For 175 LB Rating, Add	*17,436.53*	
		For 250 LB Rating, Add	*36,560.47*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 psig at 850 degrees F.

23 05 23 00-0059	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	83.12	14.91
		For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0060	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	86.02	14.91
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0061	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	103.94	20.09
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0062	EA	1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	126.11	24.34
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0063	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	186.59	30.82
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0064	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	219.82	35.64
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0065	EA	2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	273.86	42.12
		For Work In Restricted Working Space, Add	*25.25*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 LB WSP.

23 05 23 00-0068	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	36.48	9.25
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*2.98*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0069	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	50.43	10.18
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*4.58*	
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0070	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	62.47	11.57
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.19*	
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0071	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	84.80	12.31
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.39*	
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0072	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	100.68	14.25
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*13.27*	
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0073	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	121.08	16.85
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*16.62*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0074	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	287.89	22.75
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*78.43*	
		For Work In Restricted Working Space, Add	*34.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0075	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	332.16	26.42
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*90.49*	
		For Work In Restricted Working Space, Add	*39.32*	
23 05 23 00-0076	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	423.25	29.82
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*123.36*	
		For Work In Restricted Working Space, Add	*44.73*	

23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	39.63	9.25
		For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0079	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	43.62	9.25
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0080	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	60.15	10.18
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0081	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	75.48	11.57
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0082	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	107.45	12.31
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0083	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	129.13	14.25
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0084	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	163.91	16.85
		For Work In Restricted Working Space, Add	*25.25*	

23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	927.91	242.84
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0087	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,511.09	289.32
		For Work In Restricted Working Space, Add	*108.89*	
23 05 23 00-0088	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,161.74	369.69
		For Work In Restricted Working Space, Add	*137.77*	

23 05 23 00-0089 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0090	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	34.77	9.25
		For True Union Socket Or Thread Type, Add	*3.53*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0091	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	45.90	10.18
		For True Union Socket Or Thread Type, Add	*4.37*	
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0092	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	56.59	11.57
		For True Union Socket Or Thread Type, Add	*5.71*	
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0093	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	72.06	12.31
		For True Union Socket Or Thread Type, Add	*7.38*	
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0094	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	89.19	14.25
		For True Union Socket Or Thread Type, Add	*10.93*	
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0095	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	107.07	16.85
		For True Union Socket Or Thread Type, Add	*13.59*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0096	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	162.94	22.75
		For True Union Socket Or Thread Type, Add	*25.70*	
		For Work In Restricted Working Space, Add	*34.08*	
23 05 23 00-0097	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	214.95	26.42
		For True Union Socket Or Thread Type, Add	*40.43*	
		For Work In Restricted Working Space, Add	*39.32*	
23 05 23 00-0098	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	309.47	29.82
		For True Union Socket Or Thread Type, Add	*71.97*	
		For Work In Restricted Working Space, Add	*44.73*	

23 05 23 00-0099 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0100	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	60.35	13.88
		For Full Port, Add	*8.96*	
		For Work In Restricted Working Space, Add	*12.13*	
23 05 23 00-0101	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	62.48	13.88
		For Full Port, Add	*8.96*	
		For Work In Restricted Working Space, Add	*12.77*	
23 05 23 00-0102	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	64.72	13.88
		For Full Port, Add	*8.96*	
		For Work In Restricted Working Space, Add	*13.44*	
23 05 23 00-0103	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	81.49	15.27
		For Full Port, Add	*9.50*	
		For Work In Restricted Working Space, Add	*18.11*	
23 05 23 00-0104	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.36	17.35
		For Full Port, Add	*14.08*	
		For Work In Restricted Working Space, Add	*21.92*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0105	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	135.38	18.47
		For Full Port, Add	*19.26*	
		For Work In Restricted Working Space, Add	*27.77*	
23 05 23 00-0106	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	163.73	21.39
		For Full Port, Add	*25.61*	
		For Work In Restricted Working Space, Add	*32.04*	
23 05 23 00-0107	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	218.87	25.27
		For Full Port, Add	*41.69*	
		For Work In Restricted Working Space, Add	*37.87*	
23 05 23 00-0108	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	395.23	34.13
		For Full Port, Add	*101.17*	
		For Work In Restricted Working Space, Add	*51.12*	
23 05 23 00-0109	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	553.64	39.62
		For Full Port, Add	*160.65*	
		For Work In Restricted Working Space, Add	*58.99*	

23 05 23 00-0110 Globe Valves *(23 05 23)*

23 05 23 00-0111 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves *(23 05 23 00-0110)*

23 05 23 00-0112	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	45.27	9.25
		For 150 LB Rating, Add	*4.78*	
		For 200 LB Rating, Add	*5.86*	
		For 250 LB Rating, Add	*6.93*	
		For 300 LB Rating, Add	*8.48*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0113	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	42.37	9.25
		For 150 LB Rating, Add	*4.78*	
		For 200 LB Rating, Add	*5.86*	
		For 250 LB Rating, Add	*6.93*	
		For 300 LB Rating, Add	*8.48*	
		For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0114	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	51.37	9.25
		For 150 LB Rating, Add	*7.13*	
		For 200 LB Rating, Add	*8.74*	
		For 250 LB Rating, Add	*10.35*	
		For 300 LB Rating, Add	*12.65*	
		For Work In Restricted Working Space, Add	*8.51*	
23 05 23 00-0115	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	52.86	9.25
		For 150 LB Rating, Add	*7.13*	
		For 200 LB Rating, Add	*8.74*	
		For 250 LB Rating, Add	*10.35*	
		For 300 LB Rating, Add	*12.65*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*37.24*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0116	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	65.18	9.72
		For 150 LB Rating, Add	*7.73*	
		For 200 LB Rating, Add	*9.47*	
		For 250 LB Rating, Add	*11.22*	
		For 300 LB Rating, Add	*13.71*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*43.52*	
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0117	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	82.41	9.72
		For 150 LB Rating, Add	*10.44*	
		For 200 LB Rating, Add	*12.80*	
		For 250 LB Rating, Add	*15.16*	
		For 300 LB Rating, Add	*18.53*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*56.55*	
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0118	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	119.91	12.31
		For 150 LB Rating, Add	*18.04*	
		For 200 LB Rating, Add	*22.11*	
		For 250 LB Rating, Add	*26.19*	
		For 300 LB Rating, Add	*32.00*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*88.70*	
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0119	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	154.36	14.25
		For 150 LB Rating, Add	*25.78*	
		For 200 LB Rating, Add	*31.60*	
		For 250 LB Rating, Add	*37.42*	
		For 300 LB Rating, Add	*45.74*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*119.96*	
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0120	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	181.92	16.85
		For 150 LB Rating, Add	*30.31*	
		For 200 LB Rating, Add	*37.15*	
		For 250 LB Rating, Add	*44.00*	
		For 300 LB Rating, Add	*53.77*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*141.21*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0121	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	212.18	22.75
		For 150 LB Rating, Add	*30.56*	
		For 200 LB Rating, Add	*37.46*	
		For 250 LB Rating, Add	*44.36*	
		For 300 LB Rating, Add	*54.21*	
		For Work In Restricted Working Space, Add	*34.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0122	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	351.91	26.42
		For 150 LB Rating, Add	*68.46*	
		For 200 LB Rating, Add	*83.92*	
		For 250 LB Rating, Add	*99.37*	
		For 300 LB Rating, Add	*121.46*	
		For Work In Restricted Working Space, Add	*39.32*	

23 05 23 00-0123 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0110)*

23 05 23 00-0124	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	255.92	16.85
		For 150 LB Rating, Add	*53.25*	
		For 200 LB Rating, Add	*65.27*	
		For 250 LB Rating, Add	*77.30*	
		For 300 LB Rating, Add	*94.47*	
		For Chain Operated Type, Add	*143.43*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0125	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	321.81	22.75
		For 150 LB Rating, Add	*64.54*	
		For 200 LB Rating, Add	*79.12*	
		For 250 LB Rating, Add	*93.69*	
		For 300 LB Rating, Add	*114.51*	
		For Chain Operated Type, Add	*173.85*	
		For Work In Restricted Working Space, Add	*34.08*	
23 05 23 00-0126	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	380.93	26.42
		For 150 LB Rating, Add	*77.45*	
		For 200 LB Rating, Add	*94.94*	
		For 250 LB Rating, Add	*112.43*	
		For 300 LB Rating, Add	*137.42*	
		For Chain Operated Type, Add	*208.62*	
		For Work In Restricted Working Space, Add	*39.32*	
23 05 23 00-0127	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	482.20	29.82
		For 150 LB Rating, Add	*103.27*	
		For 200 LB Rating, Add	*126.59*	
		For 250 LB Rating, Add	*149.91*	
		For 300 LB Rating, Add	*183.22*	
		For Chain Operated Type, Add	*278.16*	
		For Work In Restricted Working Space, Add	*44.72*	

23 05 23 00-0128 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0110)*

23 05 23 00-0129	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	294.66	123.39
		For 150 LB Rating, Add	*43.52*	
		For 250 LB Rating, Add	*63.18*	
		For Chain Operated Type, Add	*70.20*	
		For Work In Restricted Working Space, Add	*46.28*	
23 05 23 00-0130	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	326.07	123.54
		For 150 LB Rating, Add	*53.06*	
		For 250 LB Rating, Add	*77.02*	
		For Chain Operated Type, Add	*85.58*	
		For Work In Restricted Working Space, Add	*46.48*	
23 05 23 00-0131	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	386.67	144.85
		For 150 LB Rating, Add	*63.67*	
		For 250 LB Rating, Add	*92.42*	
		For Chain Operated Type, Add	*102.69*	
		For Work In Restricted Working Space, Add	*54.39*	
23 05 23 00-0132	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	578.15	242.84
		For 150 LB Rating, Add	*84.89*	
		For 250 LB Rating, Add	*123.23*	
		For Chain Operated Type, Add	*136.92*	
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0133	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	705.78	260.39
		For 150 LB Rating, Add	*118.05*	
		For 250 LB Rating, Add	*171.36*	
		For Chain Operated Type, Add	*190.40*	
		For Work In Restricted Working Space, Add	*97.49*	
23 05 23 00-0134	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	844.30	289.32
		For 150 LB Rating, Add	*149.22*	
		For 250 LB Rating, Add	*216.61*	
		For Chain Operated Type, Add	*240.68*	
		For Work In Restricted Working Space, Add	*108.89*	
23 05 23 00-0135	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,199.45	369.69
		For 150 LB Rating, Add	*229.47*	
		For 250 LB Rating, Add	*333.09*	
		For Chain Operated Type, Add	*370.11*	
		For Work In Restricted Working Space, Add	*137.77*	
23 05 23 00-0136	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,690.00	450.06
		For 150 LB Rating, Add	*349.50*	
		For 250 LB Rating, Add	*507.34*	
		For Chain Operated Type, Add	*563.72*	
		For Work In Restricted Working Space, Add	*168.77*	
23 05 23 00-0137	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,815.32	546.50
		For 150 LB Rating, Add	*661.36*	
		For 250 LB Rating, Add	*960.03*	
		For Chain Operated Type, Add	*1,066.71*	
		For Work In Restricted Working Space, Add	*204.57*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0138		**Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves** *(23 05 23 00-0110)*		
23 05 23 00-0139	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	41.53	9.25
		For 150 LB Rating, Add	*3.62*	
		For 200 LB Rating, Add	*4.43*	
		For 300 LB Rating, Add	*6.42*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0140	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	38.63	9.25
		For 150 LB Rating, Add	*3.62*	
		For 200 LB Rating, Add	*4.43*	
		For 300 LB Rating, Add	*6.42*	
		For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0141	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	40.04	9.25
		For 150 LB Rating, Add	*3.62*	
		For 200 LB Rating, Add	*4.43*	
		For 300 LB Rating, Add	*6.42*	
		For Work In Restricted Working Space, Add	*8.51*	
23 05 23 00-0142	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	42.31	9.25
		For 150 LB Rating, Add	*3.86*	
		For 200 LB Rating, Add	*4.73*	
		For 300 LB Rating, Add	*6.85*	
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0143	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	57.51	9.72
		For 150 LB Rating, Add	*5.35*	
		For 200 LB Rating, Add	*6.56*	
		For 300 LB Rating, Add	*9.49*	
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0144	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	71.37	9.72
		For 150 LB Rating, Add	*7.02*	
		For 200 LB Rating, Add	*8.61*	
		For 300 LB Rating, Add	*12.46*	
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0145	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	95.37	12.31
		For 150 LB Rating, Add	*10.43*	
		For 200 LB Rating, Add	*12.79*	
		For 300 LB Rating, Add	*18.51*	
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0146	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	110.43	14.25
		For 150 LB Rating, Add	*12.16*	
		For 200 LB Rating, Add	*14.91*	
		For 300 LB Rating, Add	*21.58*	
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0147	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	143.24	16.85
		For 150 LB Rating, Add	*18.32*	
		For 200 LB Rating, Add	*22.45*	
		For 300 LB Rating, Add	*32.50*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0148	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	230.01	24.72
		For 150 LB Rating, Add	*33.04*	
		For 200 LB Rating, Add	*40.50*	
		For 300 LB Rating, Add	*58.62*	
		For Work In Restricted Working Space, Add	*37.03*	
23 05 23 00-0149	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	322.92	28.70
		For 150 LB Rating, Add	*55.96*	
		For 200 LB Rating, Add	*68.59*	
		For 300 LB Rating, Add	*99.28*	
		For Work In Restricted Working Space, Add	*42.72*	
23 05 23 00-0150		**Flanged, 125 LB, Iron Body, Angle Globe Valves** *(23 05 23 00-0110)*		
23 05 23 00-0151	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	515.48	123.39
		For 250 LB Rating, Add	*216.73*	
		For Chain Operated Type, Add	*140.87*	
		For Work In Restricted Working Space, Add	*46.28*	
23 05 23 00-0152	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	582.11	123.54
		For 250 LB Rating, Add	*256.31*	
		For Chain Operated Type, Add	*166.60*	
		For Work In Restricted Working Space, Add	*46.48*	
23 05 23 00-0153	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	684.70	144.85
		For 250 LB Rating, Add	*302.05*	
		For Chain Operated Type, Add	*196.33*	
		For Work In Restricted Working Space, Add	*54.39*	
23 05 23 00-0154	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,023.33	242.84
		For 250 LB Rating, Add	*431.41*	
		For Chain Operated Type, Add	*280.42*	
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0155	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,613.60	260.39
		For 250 LB Rating, Add	*773.17*	
		For Chain Operated Type, Add	*502.56*	
		For Work In Restricted Working Space, Add	*97.49*	
23 05 23 00-0156	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,651.57	289.32
		For 250 LB Rating, Add	*773.17*	
		For Chain Operated Type, Add	*502.56*	
		For Work In Restricted Working Space, Add	*108.89*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0157	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,981.32	369.69
		For 250 LB Rating, Add	*1,513.25*	
		For Chain Operated Type, Add	*983.61*	
		For Work In Restricted Working Space, Add	*137.77*	

23 05 23 00-0158 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0110)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0159	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	101.61	15.00
		For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0160	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	104.51	15.00
		For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0161	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	125.17	20.18
		For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0162	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	154.19	24.34
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0163	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	242.53	30.82
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0164	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	289.68	35.64
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0165	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	365.63	42.12
		For Work In Restricted Working Space, Add	*25.25*	

23 05 23 00-0166 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0167 Straight Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0168	EA	1" Threaded, Straight Pattern, Triple Duty Valve	212.87	9.72
23 05 23 00-0169	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	247.52	12.31
23 05 23 00-0170	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	269.44	14.25
23 05 23 00-0171	EA	2" Flanged, Straight Pattern, Triple Duty Valve	693.29	123.39
23 05 23 00-0172	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	777.58	123.54
23 05 23 00-0173	EA	3" Flanged, Straight Pattern, Triple Duty Valve	853.51	144.85
23 05 23 00-0174	EA	4" Flanged, Straight Pattern, Triple Duty Valve	1,735.49	242.84
23 05 23 00-0175	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,013.28	260.39
23 05 23 00-0176	EA	6" Flanged, Straight Pattern, Triple Duty Valve	2,667.71	289.32
23 05 23 00-0177	EA	8" Flanged, Straight Pattern, Triple Duty Valve	3,588.02	369.69
23 05 23 00-0178	EA	10" Flanged, Straight Pattern, Triple Duty Valve	5,729.70	450.06

23 05 23 00-0179 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0180	EA	2" Flanged, Angle Pattern, Triple Duty Valve	677.80	123.39
23 05 23 00-0181	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	758.99	123.54
23 05 23 00-0182	EA	3" Flanged, Angle Pattern, Triple Duty Valve	838.02	144.85
23 05 23 00-0183	EA	4" Flanged, Angle Pattern, Triple Duty Valve	1,695.22	242.84
23 05 23 00-0184	EA	5" Flanged, Angle Pattern, Triple Duty Valve	1,963.72	260.39
23 05 23 00-0185	EA	6" Flanged, Angle Pattern, Triple Duty Valve	2,203.04	289.32
23 05 23 00-0186	EA	8" Flanged, Angle Pattern, Triple Duty Valve	3,368.07	369.69
23 05 23 00-0187	EA	10" Flanged, Angle Pattern, Triple Duty Valve	4,493.68	450.06

23 05 23 00-0188 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0189	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	785.36	144.85
23 05 23 00-0190	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,555.82	242.84
23 05 23 00-0191	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,805.73	260.39
23 05 23 00-0192	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,385.81	289.32
23 05 23 00-0193	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,203.89	369.69
23 05 23 00-0194	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	5,088.46	450.06
23 05 23 00-0195	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,633.55	546.50
23 05 23 00-0196	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	9,274.22	642.93
23 05 23 00-0197	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,599.96	707.23

23 05 23 00-0198 Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0199	EA	2" Grooved, Straight Pattern, Triple Duty Valve	715.31	22.87
23 05 23 00-0200	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	852.77	27.26
23 05 23 00-0201	EA	3" Grooved, Straight Pattern, Triple Duty Valve	992.24	29.57
23 05 23 00-0202	EA	4" Grooved, Straight Pattern, Triple Duty Valve	1,643.52	31.86
23 05 23 00-0203	EA	5" Grooved, Straight Pattern, Triple Duty Valve	1,904.27	40.99
23 05 23 00-0204	EA	6" Grooved, Straight Pattern Triple Duty Valve	2,538.41	52.56
23 05 23 00-0205	EA	8" Grooved, Straight Pattern Triple Duty Valve	3,451.47	66.70
23 05 23 00-0206	EA	10" Grooved, Straight Pattern Triple Duty Valve	5,440.73	74.74
23 05 23 00-0207	EA	12" Grooved, Straight Pattern Triple Duty Valve	8,632.99	91.14

23 05 23 00-0208 Plug Valves *(23 05 23)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0209		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0208)*		
		Note: Includes wrench.		
23 05 23 00-0210	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	139.05	9.25
23 05 23 00-0211	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	149.44	10.18
23 05 23 00-0212	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	188.00	11.57
23 05 23 00-0213	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	226.62	12.31
23 05 23 00-0214	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	250.59	14.25
23 05 23 00-0215	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	295.85	16.85
23 05 23 00-0216	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	437.84	22.75
23 05 23 00-0217	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	532.19	26.42
23 05 23 00-0218		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0208)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0219	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	304.19	123.39
23 05 23 00-0220	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	352.40	123.54
23 05 23 00-0221	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	429.44	144.85
23 05 23 00-0222	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	640.34	242.84
23 05 23 00-0223	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,259.38	289.32
23 05 23 00-0224	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,074.27	369.69
23 05 23 00-0225	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,253.94	450.06
23 05 23 00-0226	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,767.05	546.50
23 05 23 00-0227		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0208)*		
23 05 23 00-0228	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	496.91	9.25
23 05 23 00-0229	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	589.37	10.18
23 05 23 00-0230	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed	667.74	11.57
23 05 23 00-0231	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	802.65	12.31
23 05 23 00-0232	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	934.39	14.25
23 05 23 00-0233	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,224.93	16.85
23 05 23 00-0234		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0208)*		
23 05 23 00-0235	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	736.30	242.84
23 05 23 00-0236	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,103.71	289.32
23 05 23 00-0237	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,491.78	369.69
23 05 23 00-0238	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,090.83	450.06
23 05 23 00-0239	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,687.48	546.50
23 05 23 00-0240		**Foot Valves** *(23 05 23)*		
23 05 23 00-0241		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0240)*		
23 05 23 00-0242	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	62.46	23.15
23 05 23 00-0243	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	70.47	25.93
23 05 23 00-0244	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	86.68	29.64
23 05 23 00-0245	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	109.50	33.34
23 05 23 00-0246	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	230.63	54.63
23 05 23 00-0247	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	291.69	66.67
23 05 23 00-0248		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0240)*		
23 05 23 00-0249	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	62.46	23.15
23 05 23 00-0250	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	111.99	25.93
23 05 23 00-0251	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	110.63	29.64
23 05 23 00-0252	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	144.61	33.34
23 05 23 00-0253	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	274.16	54.63
23 05 23 00-0254	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	365.56	65.74
23 05 23 00-0255		**Float Valves** *(23 05 23)*		
23 05 23 00-0256		**Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0255)*		
23 05 23 00-0257		**Single Seat, Bronze Construction** *(23 05 23 00-0256)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0258	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	113.94	19.44
23 05 23 00-0259	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	131.38	23.14
23 05 23 00-0260	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	165.47	25.00
23 05 23 00-0261	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	267.09	31.48
23 05 23 00-0262	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	276.34	36.10
23 05 23 00-0263		**Double Seat, Bronze Construction** *(23 05 23 00-0256)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0264	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	534.16	19.44
23 05 23 00-0265	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	541.56	23.14
23 05 23 00-0266	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	623.13	25.00
23 05 23 00-0267	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	692.37	31.48
23 05 23 00-0268	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	791.67	36.10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0269	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	1,034.27	42.58
23 05 23 00-0270	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	1,209.68	57.09
23 05 23 00-0271	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	1,452.70	65.61
23 05 23 00-0272		**Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0255)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0273		**Brass Body Threaded Ends** *(23 05 23 00-0272)*		
23 05 23 00-0274	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	134.41	25.09
23 05 23 00-0275	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	151.34	27.87
23 05 23 00-0276	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	182.51	30.82
23 05 23 00-0277	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	292.41	49.81
23 05 23 00-0278	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	312.40	56.75
23 05 23 00-0279	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	360.26	70.35
23 05 23 00-0280		**Cast Iron Body Flanged** *(23 05 23 00-0272)*		
23 05 23 00-0281	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	3,319.96	123.54
23 05 23 00-0282	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	4,011.59	144.85
23 05 23 00-0283		**Float Operated Valves** *(23 05 23 00-0255)*		
23 05 23 00-0284		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0283)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0285	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	402.66	43.51
23 05 23 00-0286		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0283)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0287	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	530.38	80.94
23 05 23 00-0288		**Needle Valves** *(23 05 23)*		
23 05 23 00-0289		**Bronze Needle Valve** *(23 05 23 00-0288)*		
		Note: For heating and cooling applications.		
23 05 23 00-0290	EA	1/4" Needle Valve, Bronze	62.44	9.25
23 05 23 00-0291	EA	3/8" Needle Valve, Bronze	68.85	9.25
23 05 23 00-0292	EA	1/2" Needle Valve, Bronze	74.77	9.25
23 05 23 00-0293	EA	3/4" Needle Valve, Bronze	111.19	10.18
23 05 23 00-0294	EA	1" Needle Valve, Bronze	164.43	11.57
23 05 23 00-0295		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0296		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0295)*		
23 05 23 00-0297	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	145.15	9.25
23 05 23 00-0298	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	157.32	10.18
23 05 23 00-0299	EA	1" Diameter Eccentric Valves With Taps, Screwed	197.72	11.57
23 05 23 00-0300	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	240.87	12.31
23 05 23 00-0301	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	264.54	14.25
23 05 23 00-0302	EA	2" Diameter Eccentric Valves With Taps, Screwed	311.19	16.85
23 05 23 00-0303	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	464.81	22.75
23 05 23 00-0304	EA	3" Diameter Eccentric Valves With Taps, Screwed	562.10	26.42
23 05 23 00-0305		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0295)*		
23 05 23 00-0306	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	571.75	123.54
23 05 23 00-0307	EA	3" Diameter Eccentric Valves With Taps, Flanged	677.94	144.85
23 05 23 00-0308	EA	4" Diameter Eccentric Valves With Taps, Flanged	933.99	242.84
23 05 23 00-0309	EA	5" Diameter Eccentric Valves With Taps, Flanged	1,211.86	260.39
23 05 23 00-0310	EA	6" Diameter Eccentric Valves With Taps, Flanged	1,515.89	289.32
23 05 23 00-0311	EA	8" Diameter Eccentric Valves With Taps, Flanged	2,543.41	369.69
23 05 23 00-0312	EA	10" Diameter Eccentric Valves With Taps, Flanged	3,533.62	450.06
23 05 23 00-0313	EA	12" Diameter Eccentric Valves With Taps, Flanged	5,958.85	546.50
23 05 23 00-0314		**Check Valves** *(23 05 23)*		
23 05 23 00-0315		**Iron Body Wafer Type Check Valve** *(23 05 23 00-0314)*		
23 05 23 00-0316		**Single Disk Type** *(23 05 23 00-0315)*		
23 05 23 00-0317	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	273.92	123.43
		For 150 LB Rating, Add	*25.11*	
		For 200 LB Rating, Add	*29.90*	
		For 300 LB Rating, Add	*35.88*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*84.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0318	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	311.69	123.60
		For 150 LB Rating, Add	*32.90*	
		For 200 LB Rating, Add	*39.17*	
		For 300 LB Rating, Add	*47.01*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*101.51*	
23 05 23 00-0319	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	379.44	144.92
		For 150 LB Rating, Add	*41.59*	
		For 200 LB Rating, Add	*49.52*	
		For 300 LB Rating, Add	*59.42*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*125.40*	
23 05 23 00-0320	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	572.70	242.95
		For 150 LB Rating, Add	*56.33*	
		For 200 LB Rating, Add	*67.06*	
		For 300 LB Rating, Add	*80.48*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*181.60*	
23 05 23 00-0321	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	846.41	340.98
		For 150 LB Rating, Add	*88.24*	
		For 200 LB Rating, Add	*105.05*	
		For 300 LB Rating, Add	*126.05*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*274.33*	
23 05 23 00-0322	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,133.20	392.13
		For 150 LB Rating, Add	*135.41*	
		For 200 LB Rating, Add	*161.20*	
		For 300 LB Rating, Add	*193.44*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*387.84*	
23 05 23 00-0323	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,630.98	477.38
		For 150 LB Rating, Add	*216.28*	
		For 200 LB Rating, Add	*257.47*	
		For 300 LB Rating, Add	*308.97*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*583.67*	

23 05 23 00-0324 Twin Disc Type *(23 05 23 00-0315)*

23 05 23 00-0325	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	288.62	123.43
		For 150 LB Rating, Add	*28.20*	
		For 200 LB Rating, Add	*33.57*	
		For 300 LB Rating, Add	*40.29*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*91.30*	
23 05 23 00-0326	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	316.17	123.60
		For 150 LB Rating, Add	*33.85*	
		For 200 LB Rating, Add	*40.29*	
		For 300 LB Rating, Add	*48.35*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*103.53*	
23 05 23 00-0327	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	369.43	144.92
		For 150 LB Rating, Add	*39.49*	
		For 200 LB Rating, Add	*47.01*	
		For 300 LB Rating, Add	*56.42*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*120.90*	
23 05 23 00-0328	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	543.25	242.95
		For 150 LB Rating, Add	*50.15*	
		For 200 LB Rating, Add	*59.70*	
		For 300 LB Rating, Add	*71.64*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*168.35*	
23 05 23 00-0329	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	811.31	340.98
		For 150 LB Rating, Add	*80.87*	
		For 200 LB Rating, Add	*96.27*	
		For 300 LB Rating, Add	*115.52*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*258.53*	
23 05 23 00-0330	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,075.20	392.13
		For 150 LB Rating, Add	*123.50*	
		For 200 LB Rating, Add	*147.02*	
		For 300 LB Rating, Add	*176.42*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*362.06*	
23 05 23 00-0331	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,528.31	42.62
		For 150 LB Rating, Add	*195.58*	
		For 200 LB Rating, Add	*232.84*	
		For 300 LB Rating, Add	*279.41*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*538.50*	
23 05 23 00-0332	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,970.22	579.67
		For 150 LB Rating, Add	*262.04*	
		For 200 LB Rating, Add	*311.95*	
		For 300 LB Rating, Add	*374.34*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*705.99*	
23 05 23 00-0333	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,437.17	674.87
		For 150 LB Rating, Add	*532.85*	
		For 200 LB Rating, Add	*634.34*	
		For 300 LB Rating, Add	*761.21*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,321.77*	
23 05 23 00-0334	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	4,571.96	791.84
		For 150 LB Rating, Add	*752.25*	
		For 200 LB Rating, Add	*895.54*	
		For 300 LB Rating, Add	*1,074.65*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,809.93*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0335		EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	5,963.43	881.82
			For 150 LB Rating, Add	*1,021.37*	
			For 200 LB Rating, Add	*1,215.91*	
			For 300 LB Rating, Add	*1,459.10*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,408.60*	
23 05 23 00-0336		EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	7,053.58	989.80
			For 150 LB Rating, Add	*1,221.43*	
			For 200 LB Rating, Add	*1,454.08*	
			For 300 LB Rating, Add	*1,744.90*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,864.80*	
23 05 23 00-0337		EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	9,165.22	1,214.75
			For 150 LB Rating, Add	*1,604.91*	
			For 200 LB Rating, Add	*1,910.61*	
			For 300 LB Rating, Add	*2,292.74*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*3,743.66*	

23 05 23 00-0338 Lift Check Valves *(23 05 23 00-0314)*

23 05 23 00-0339 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0338)*

Note: Watts #600 series.

23 05 23 00-0340		EA	3/8" Lift Check Valve, Bronze, Threaded	64.54	9.25
23 05 23 00-0341		EA	1/2" Lift Check Valve, Bronze, Threaded	68.21	9.25
23 05 23 00-0342		EA	3/4" Lift Check Valve, Bronze, Threaded	88.01	9.72
23 05 23 00-0343		EA	1" Lift Check Valve, Bronze, Threaded	113.91	9.72
23 05 23 00-0344		EA	1-1/4" Lift Check Valve, Bronze, Threaded	155.16	12.31
23 05 23 00-0345		EA	1-1/2" Lift Check Valve, Bronze, Threaded	186.90	14.25
23 05 23 00-0346		EA	2" Lift Check Valve, Bronze, Threaded	258.11	16.85

23 05 23 00-0347 Bronze Body, Threaded, 300 LB, Lift Check Valves *(23 05 23 00-0338)*

Note: Crane 366E.

23 05 23 00-0348		EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	330.25	9.25
23 05 23 00-0349		EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	403.05	9.72
23 05 23 00-0350		EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	711.92	9.72
23 05 23 00-0351		EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	947.29	12.31
23 05 23 00-0352		EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	1,030.90	14.25
23 05 23 00-0353		EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	1,320.81	16.85

23 05 23 00-0354 Iron Body, Flanged, 125 LB Vertical Lift Check Valves *(23 05 23 00-0338)*

Note: Mueller 105MAP.

23 05 23 00-0355		EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	535.06	123.39
23 05 23 00-0356		EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	673.71	123.54
23 05 23 00-0357		EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	740.67	144.85
23 05 23 00-0358		EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	1,056.03	242.84
23 05 23 00-0359		EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,291.99	260.39
23 05 23 00-0360		EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	1,574.35	289.32
23 05 23 00-0361		EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	2,676.47	369.69
23 05 23 00-0362		EA	10" Lift Check Valve, Iron Body, Flanged, 125 LB	3,354.18	450.06
23 05 23 00-0363		EA	12" Lift Check Valve, Iron Body, Flanged, 125 LB	5,326.36	546.50
23 05 23 00-0364		EA	14" Lift Check Valve, Iron Body, Flanged, 125 LB	7,211.86	707.18
23 05 23 00-0365		EA	16" Lift Check Valve, Iron Body, Flanged, 125 LB	7,988.45	777.90

23 05 23 00-0366 Bronze Body Swing Check Valves *(23 05 23 00-0314)*

23 05 23 00-0367 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves *(23 05 23 00-0366)*

23 05 23 00-0368		EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	48.85	9.25
			For 300 LB Rating, Add	*7.41*	
			For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0369		EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	45.95	9.25
			For 300 LB Rating, Add	*7.41*	
			For Work In Restricted Working Space, Add	*8.09*	
23 05 23 00-0370		EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	47.36	9.25
			For 300 LB Rating, Add	*7.41*	
			For Work In Restricted Working Space, Add	*8.51*	
23 05 23 00-0371		EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	49.59	9.25
			For 300 LB Rating, Add	*7.69*	
			For Work In Restricted Working Space, Add	*8.96*	
23 05 23 00-0372		EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	64.15	9.72
			For 300 LB Rating, Add	*9.32*	
			For Work In Restricted Working Space, Add	*12.08*	
23 05 23 00-0373		EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	81.18	9.72
			For 300 LB Rating, Add	*12.66*	
			For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0374		EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	107.28	12.31
			For 300 LB Rating, Add	*17.77*	
			For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0375		EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	135.01	14.25
			For 300 LB Rating, Add	*24.89*	
			For Work In Restricted Working Space, Add	*21.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0376	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	166.18	16.85
		For 300 LB Rating, Add	*31.99*	
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0377	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	302.19	22.75
		For 300 LB Rating, Add	*73.55*	
		For Work In Restricted Working Space, Add	*34.08*	
23 05 23 00-0378	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	399.29	26.42
		For 300 LB Rating, Add	*104.60*	
		For Work In Restricted Working Space, Add	*39.32*	
23 05 23 00-0379	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	452.62	29.82
		For 300 LB Rating, Add	*118.37*	
		For Work In Restricted Working Space, Add	*44.73*	

23 05 23 00-0380 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0314)*

23 05 23 00-0381	EA	1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	235.23	69.42
		For 150 LB Rating, Add	*100.57*	
		For 250 LB Rating, Add	*192.27*	
		For Work In Restricted Working Space, Add	*26.20*	
23 05 23 00-0382	EA	1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	263.57	81.00
		For 150 LB Rating, Add	*110.81*	
		For 250 LB Rating, Add	*211.84*	
		For Work In Restricted Working Space, Add	*30.19*	
23 05 23 00-0383	EA	1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	298.53	97.20
		For 150 LB Rating, Add	*120.18*	
		For 250 LB Rating, Add	*229.75*	
		For Work In Restricted Working Space, Add	*36.54*	
23 05 23 00-0384	EA	2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	373.77	123.39
		For 150 LB Rating, Add	*149.26*	
		For 250 LB Rating, Add	*285.35*	
		For Work In Restricted Working Space, Add	*46.28*	
23 05 23 00-0385	EA	2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	411.09	123.54
		For 150 LB Rating, Add	*174.20*	
		For 250 LB Rating, Add	*333.02*	
		For Work In Restricted Working Space, Add	*46.48*	
23 05 23 00-0386	EA	3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	459.67	144.85
		For 150 LB Rating, Add	*189.30*	
		For 250 LB Rating, Add	*361.89*	
		For Work In Restricted Working Space, Add	*54.39*	
23 05 23 00-0387	EA	4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	734.53	242.84
		For 150 LB Rating, Add	*292.55*	
		For 250 LB Rating, Add	*559.29*	
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0388	EA	5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	956.63	260.39
		For 150 LB Rating, Add	*429.52*	
		For 250 LB Rating, Add	*821.15*	
		For Work In Restricted Working Space, Add	*97.49*	
23 05 23 00-0389	EA	6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,095.32	289.32
		For 150 LB Rating, Add	*498.01*	
		For 250 LB Rating, Add	*952.08*	
		For Work In Restricted Working Space, Add	*108.89*	
23 05 23 00-0390	EA	8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,287.69	369.69
		For 150 LB Rating, Add	*1,243.35*	
		For 250 LB Rating, Add	*2,376.99*	
		For Work In Restricted Working Space, Add	*137.77*	
23 05 23 00-0391	EA	10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,051.48	450.06
		For 150 LB Rating, Add	*1,692.46*	
		For 250 LB Rating, Add	*3,235.58*	
		For Work In Restricted Working Space, Add	*168.77*	
23 05 23 00-0392	EA	12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,563.25	546.50
		For 150 LB Rating, Add	*2,639.31*	
		For 250 LB Rating, Add	*5,045.74*	
		For Work In Restricted Working Space, Add	*204.57*	
23 05 23 00-0393	EA	14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	5,278.18	707.18
		For 150 LB Rating, Add	*2,988.06*	
		For 250 LB Rating, Add	*5,712.46*	
		For Work In Restricted Working Space, Add	*265.19*	
23 05 23 00-0394	EA	16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,372.50	777.90
		For 150 LB Rating, Add	*4,352.09*	
		For 250 LB Rating, Add	*8,320.17*	
		For Work In Restricted Working Space, Add	*291.71*	
23 05 23 00-0395	EA	18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	11,137.65	862.77
		For 150 LB Rating, Add	*6,840.26*	
		For 250 LB Rating, Add	*13,076.96*	
		For Work In Restricted Working Space, Add	*323.54*	
23 05 23 00-0396	EA	20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,216.19	972.37
		For 150 LB Rating, Add	*9,520.49*	
		For 250 LB Rating, Add	*18,200.94*	
		For Work In Restricted Working Space, Add	*364.64*	
23 05 23 00-0397	EA	24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,091.85	1,193.37
		For 150 LB Rating, Add	*13,328.10*	
		For 250 LB Rating, Add	*25,480.18*	
		For Work In Restricted Working Space, Add	*447.51*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0398		Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0314)*			
		Note: 800 PSIG at 850 Degrees F.			
23 05 23 00-0399	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve		95.61	9.25
		For Work In Restricted Working Space, Add		*8.96*	
23 05 23 00-0400	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve		114.90	10.18
		For Work In Restricted Working Space, Add		*12.08*	
23 05 23 00-0401	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve		136.38	11.57
		For Work In Restricted Working Space, Add		*14.62*	
23 05 23 00-0402	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve		205.09	12.31
		For Work In Restricted Working Space, Add		*18.52*	
23 05 23 00-0403	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve		242.42	14.25
		For Work In Restricted Working Space, Add		*21.36*	
23 05 23 00-0404	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve		322.49	16.85
		For Work In Restricted Working Space, Add		*25.25*	
23 05 23 00-0405		Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0314)*			
23 05 23 00-0406	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		49.95	9.25
		For Work In Restricted Working Space, Add		*8.96*	
23 05 23 00-0407	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		60.34	10.18
		For Work In Restricted Working Space, Add		*12.08*	
23 05 23 00-0408	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		69.60	11.57
		For Work In Restricted Working Space, Add		*14.62*	
23 05 23 00-0409	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		83.46	12.31
		For Work In Restricted Working Space, Add		*18.52*	
23 05 23 00-0410	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		94.20	14.25
		For Work In Restricted Working Space, Add		*21.36*	
23 05 23 00-0411	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		119.90	16.85
		For Work In Restricted Working Space, Add		*25.25*	
23 05 23 00-0412	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		164.52	22.75
		For Work In Restricted Working Space, Add		*34.08*	
23 05 23 00-0413	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB		197.14	26.42
		For Work In Restricted Working Space, Add		*39.32*	
23 05 23 00-0414		Diaphragm Valves *(23 05 23)*			
23 05 23 00-0415		Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0414)*			
23 05 23 00-0416	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		146.60	27.70
23 05 23 00-0417	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		183.82	30.67
23 05 23 00-0418	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		203.29	37.92
23 05 23 00-0419	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		319.87	56.66
23 05 23 00-0420	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		495.14	68.16
23 05 23 00-0421		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0414)*			
23 05 23 00-0422	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		168.10	44.43
23 05 23 00-0423	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		193.58	46.28
23 05 23 00-0424	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		233.53	69.42
23 05 23 00-0425	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		349.22	97.20
23 05 23 00-0426	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		539.50	123.39
23 05 23 00-0427	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		671.86	123.54
23 05 23 00-0428	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		829.91	144.85
23 05 23 00-0429	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		1,194.71	242.84
23 05 23 00-0430	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		2,357.77	289.32
23 05 23 00-0431	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		3,622.54	369.69
23 05 23 00-0432		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0414)*			
23 05 23 00-0433	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated		99.09	27.70

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0434	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	125.04	30.67
23 05 23 00-0435	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	144.52	37.92
23 05 23 00-0436	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	239.84	56.66
23 05 23 00-0437	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	308.83	68.16
23 05 23 00-0438		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0414)*		
23 05 23 00-0439	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	119.36	44.43
23 05 23 00-0440	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	139.05	46.28
23 05 23 00-0441	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	179.00	69.42
23 05 23 00-0442	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	274.96	97.20
23 05 23 00-0443	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	366.61	123.39
23 05 23 00-0444	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	431.76	123.54
23 05 23 00-0445	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	522.43	144.85
23 05 23 00-0446	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	832.26	242.84
23 05 23 00-0447	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,545.75	289.32
23 05 23 00-0448	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,334.60	369.69
23 05 23 00-0449		125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0414)*		
23 05 23 00-0450	EA	1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	217.11	69.42
23 05 23 00-0451	EA	1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	343.18	97.20
23 05 23 00-0452	EA	2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	457.71	123.39
23 05 23 00-0453	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	628.21	123.54
23 05 23 00-0454	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	698.47	144.85
23 05 23 00-0455	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,103.94	242.84
23 05 23 00-0456	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,099.61	289.32
23 05 23 00-0457	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,241.70	369.69
23 05 23 00-0458		Solenoid Valves *(23 05 23)*		
23 05 23 00-0459		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0458)*		
23 05 23 00-0460	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	74.01	9.25
23 05 23 00-0461	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	85.33	9.25
23 05 23 00-0462	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	110.01	10.18
23 05 23 00-0463	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	157.99	11.57
23 05 23 00-0464	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	272.92	14.25
23 05 23 00-0465	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	416.74	16.85
23 05 23 00-0466	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	567.20	22.75
23 05 23 00-0467	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	809.72	26.42
23 05 23 00-0468		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0469		Conditioned Water Balancing Valves *(23 05 23 00-0468)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0470	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	104.10	47.23
23 05 23 00-0471	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	127.86	62.96
23 05 23 00-0472	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	185.00	71.95
23 05 23 00-0473	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	239.52	88.90
23 05 23 00-0474	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	273.34	94.45
23 05 23 00-0475	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	359.68	107.97
23 05 23 00-0476	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	675.69	187.88
23 05 23 00-0477	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	923.05	214.73
23 05 23 00-0478	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,025.42	144.92
23 05 23 00-0479	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,290.15	242.95
23 05 23 00-0480	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,516.07	306.89
23 05 23 00-0481	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,523.41	392.13
23 05 23 00-0482	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,188.24	477.38
23 05 23 00-0483		Read Out Meters *(23 05 23 00-0468)* Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0484	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	618.05	
23 05 23 00-0485	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0486	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	
23 05 23 00-0487	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	836.41	
23 05 23 00-0488		Balancing Valves *(23 05 23)*		
23 05 23 00-0489		Balancing Valves With Lever *(23 05 23 00-0488)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0490	EA	1/2" Threaded Balancing Valve With Lever	154.65	29.17
23 05 23 00-0491	EA	3/4" Threaded Balancing Valve With Lever	176.42	38.43
23 05 23 00-0492	EA	1" Threaded Balancing Valve With Lever	189.89	43.99
23 05 23 00-0493	EA	1-1/4" Threaded Balancing Valve With Lever	219.32	54.63
23 05 23 00-0494	EA	1-1/2" Threaded Balancing Valve With Lever	234.86	57.87
23 05 23 00-0495	EA	2" Threaded Balancing Valve With Lever	261.33	66.21
23 05 23 00-0496	EA	2-1/2" Flanged Balancing Valve With Lever	405.63	123.60
23 05 23 00-0497	EA	3" Flanged Balancing Valve With Lever	464.27	144.92
23 05 23 00-0498	EA	4" Flanged Balancing Valve With Lever	715.13	242.95
23 05 23 00-0499	EA	5" Flanged Balancing Valve With Lever	1,038.29	276.20
23 05 23 00-0500	EA	6" Flanged Balancing Valve With Lever	1,078.55	306.89
23 05 23 00-0501	EA	8" Flanged Balancing Valve With Lever	1,449.93	392.13
23 05 23 00-0502		Balancing Valves With Nut *(23 05 23 00-0488)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0503	EA	4" Flanged Balancing Valve With Nut	682.88	242.95
23 05 23 00-0504	EA	5" Flanged Balancing Valve With Nut	997.35	276.20
23 05 23 00-0505	EA	6" Flanged Balancing Valve With Nut	1,037.61	306.89
23 05 23 00-0506	EA	8" Flanged Balancing Valve With Nut	1,392.86	392.13
23 05 23 00-0507		Balancing Valves With Hand Wheel *(23 05 23 00-0488)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0508	EA	4" Flanged Balancing Valve With Hand Wheel	924.82	242.95
23 05 23 00-0509	EA	5" Flanged Balancing Valve With Hand Wheel	1,251.70	276.20
23 05 23 00-0510	EA	6" Flanged Balancing Valve With Hand Wheel	1,291.96	306.89
23 05 23 00-0511	EA	8" Flanged Balancing Valve With Hand Wheel	1,670.79	392.13
23 05 23 00-0512	EA	10" Flanged Balancing Valve With Hand Wheel	2,450.39	477.38
23 05 23 00-0513	EA	12" Flanged Balancing Valve With Hand Wheel	3,190.39	381.79
23 05 23 00-0514	EA	14" Flanged Balancing Valve With Hand Wheel	4,279.59	719.86
23 05 23 00-0515		Balancing Valves With Chain Wheel *(23 05 23 00-0488)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0516	EA	4" Flanged Balancing Valve With Chain Wheel	1,056.34	242.95
23 05 23 00-0517	EA	5" Flanged Balancing Valve With Chain Wheel	1,384.46	276.20
23 05 23 00-0518	EA	6" Flanged Balancing Valve With Chain Wheel	1,424.72	306.89
23 05 23 00-0519	EA	8" Flanged Balancing Valve With Chain Wheel	1,802.30	392.13
23 05 23 00-0520	EA	10" Flanged Balancing Valve With Chain Wheel	2,583.14	477.38
23 05 23 00-0521	EA	12" Flanged Balancing Valve With Chain Wheel	3,353.15	381.52
23 05 23 00-0522	EA	14" Flanged Balancing Valve With Chain Wheel	4,440.88	719.86
23 05 23 00-0523		Calibrated Balancing Valves *(23 05 23 00-0488)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0524	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	79.44	9.26
23 05 23 00-0525	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	94.78	10.18
23 05 23 00-0526	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	115.65	11.57
23 05 23 00-0527	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	154.67	12.32
23 05 23 00-0528	EA	1" Threaded Calibrated Balancing Valve (CB-1)	122.47	11.57
23 05 23 00-0529	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	166.45	12.32
23 05 23 00-0530	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	193.28	14.26
23 05 23 00-0531	EA	2" Threaded Calibrated Balancing Valve (CB-2)	257.66	16.86
23 05 23 00-0532	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	470.38	24.73
23 05 23 00-0533	EA	3" Threaded Calibrated Balancing Valve (CB-3)	653.55	28.71
23 05 23 00-0534	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	626.84	134.27
23 05 23 00-0535	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	894.02	157.42
23 05 23 00-0536	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	1,405.65	263.91
23 05 23 00-0537	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	1,994.60	300.02
23 05 23 00-0538	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	2,602.14	333.36
23 05 23 00-0539	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	4,633.72	425.96
23 05 23 00-0540	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	6,410.10	503.90
23 05 23 00-0541	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	13,321.13	611.87
23 05 23 00-0542	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	1,566.07	31.86
23 05 23 00-0543	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	1,808.24	40.99
23 05 23 00-0544	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	2,402.11	52.56
23 05 23 00-0545	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	4,479.94	66.70
23 05 23 00-0546	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	6,014.85	74.74
23 05 23 00-0547	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	12,352.14	91.14

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0548		Butterfly Valves *(23 05 23)*		
23 05 23 00-0549		Cast Iron Body, Iron Disc, Butterfly Valves *(23 05 23 00-0548)* Note: With on-off handle, 150 PSI wafer type.		
23 05 23 00-0550	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	239.63	123.39
		For 200 PSI, Add	*40.97*	
		For 175 PSI, Add	*14.94*	
		For Work In Restricted Working Space, Add	*46.28*	
23 05 23 00-0551	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	245.25	123.54
		For 200 PSI, Add	*43.36*	
		For 175 PSI, Add	*15.81*	
		For Work In Restricted Working Space, Add	*46.48*	
23 05 23 00-0552	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	278.56	144.85
		For 200 PSI, Add	*46.69*	
		For 175 PSI, Add	*17.02*	
		For Work In Restricted Working Space, Add	*54.39*	
23 05 23 00-0553	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	426.40	242.84
		For 200 PSI, Add	*58.60*	
		For 175 PSI, Add	*21.37*	
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0554	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	536.65	289.32
		For 200 PSI, Add	*83.38*	
		For 175 PSI, Add	*30.40*	
		For Work In Restricted Working Space, Add	*108.89*	
23 05 23 00-0555	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	614.25	321.47
		For 200 PSI, Add	*101.96*	
		For 175 PSI, Add	*37.17*	
		For Work In Restricted Working Space, Add	*120.55*	
23 05 23 00-0556	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	778.85	369.69
		For 200 PSI, Add	*153.41*	
		For 175 PSI, Add	*55.93*	
		For Work In Restricted Working Space, Add	*137.77*	
23 05 23 00-0557	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,181.95	450.06
		For 200 PSI, Add	*297.30*	
		For 175 PSI, Add	*108.39*	
		For Work In Restricted Working Space, Add	*168.77*	
23 05 23 00-0558	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,471.02	546.50
		For 200 PSI, Add	*378.77*	
		For 175 PSI, Add	*138.09*	
		For Work In Restricted Working Space, Add	*204.57*	
23 05 23 00-0559		Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves *(23 05 23 00-0548)*		
23 05 23 00-0560	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	388.52	123.39
		For Work In Restricted Working Space, Add	*46.28*	
23 05 23 00-0561	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	391.16	123.54
		For Work In Restricted Working Space, Add	*46.48*	
23 05 23 00-0562	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	429.44	144.85
		For Work In Restricted Working Space, Add	*54.39*	
23 05 23 00-0563	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	584.22	242.84
		For Work In Restricted Working Space, Add	*91.29*	
23 05 23 00-0564	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	711.35	289.32
		For Work In Restricted Working Space, Add	*108.89*	
23 05 23 00-0565	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	787.90	321.47
		For Work In Restricted Working Space, Add	*120.55*	
23 05 23 00-0566	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	959.51	369.69
		For Work In Restricted Working Space, Add	*137.77*	
23 05 23 00-0567	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,208.75	450.06
		For Work In Restricted Working Space, Add	*168.77*	
23 05 23 00-0568	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,620.90	546.50
		For Work In Restricted Working Space, Add	*204.57*	
23 05 23 00-0569		Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves *(23 05 23 00-0548)*		
23 05 23 00-0570	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	2,560.19	662.98
		For 200 PSI, Add	*603.44*	
		For 175 PSI, Add	*209.53*	
		For Work In Restricted Working Space, Add	*265.19*	
23 05 23 00-0571	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,224.34	777.90
		For 200 PSI, Add	*810.71*	
		For 175 PSI, Add	*281.50*	
		For Work In Restricted Working Space, Add	*291.71*	
23 05 23 00-0572	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,426.28	866.30
		For 200 PSI, Add	*1,204.51*	
		For 175 PSI, Add	*418.23*	
		For Work In Restricted Working Space, Add	*324.13*	
23 05 23 00-0573	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	5,640.78	972.37
		For 200 PSI, Add	*1,593.11*	
		For 175 PSI, Add	*553.16*	
		For Work In Restricted Working Space, Add	*364.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0574	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,538.36	1,193.37
		For 200 PSI, Add	*2,175.26*	
		For 175 PSI, Add	*755.30*	
		For Work In Restricted Working Space, Add	*448.79*	
23 05 23 00-0575	EA	30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	15,558.81	2,033.66
		For 200 PSI, Add	*4,669.38*	
		For 175 PSI, Add	*1,621.31*	
		For Work In Restricted Working Space, Add	*776.49*	
23 05 23 00-0576	EA	36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	19,715.28	2,773.18
		For 200 PSI, Add	*5,932.76*	
		For 175 PSI, Add	*2,059.99*	
		For Work In Restricted Working Space, Add	*970.61*	
23 05 23 00-0577	EA	42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	24,211.62	4,067.33
		For 200 PSI, Add	*6,924.28*	
		For 175 PSI, Add	*2,404.27*	
		For Work In Restricted Working Space, Add	*1,493.25*	
23 05 23 00-0578	EA	48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	29,543.35	5,084.16
		For 200 PSI, Add	*8,306.14*	
		For 175 PSI, Add	*2,884.08*	
		For Work In Restricted Working Space, Add	*1,941.23*	
23 05 23 00-0579	EA	54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	35,756.94	6,100.99
		For 200 PSI, Add	*9,960.66*	
		For 175 PSI, Add	*3,458.56*	
		For Work In Restricted Working Space, Add	*2,426.53*	

23 05 23 00-0580 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB *(23 05 23 00-0548)*

Note: (Milwaukee Valve Company BB-SC 100)

23 05 23 00-0581	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	242.35	11.57
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0582	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	267.59	12.31
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0583	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	333.04	14.25
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0584	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	415.48	16.85
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0585	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	557.84	22.75
		For Work In Restricted Working Space, Add	*34.08*	

23 05 23 00-0586 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB *(23 05 23 00-0548)*

Note: (Milwaukee Valve Company BB-S02)

23 05 23 00-0587	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	355.08	11.57
		For Work In Restricted Working Space, Add	*14.62*	
23 05 23 00-0588	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	387.57	12.31
		For Work In Restricted Working Space, Add	*18.52*	
23 05 23 00-0589	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	462.60	14.25
		For Work In Restricted Working Space, Add	*21.36*	
23 05 23 00-0590	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	553.48	16.85
		For Work In Restricted Working Space, Add	*25.25*	
23 05 23 00-0591	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	710.44	22.75
		For Work In Restricted Working Space, Add	*34.08*	

23 05 29 Hangers And Supports For HVAC Piping And Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	17.31	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	19.01	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	19.98	8.52
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	20.78	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	21.04	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	22.05	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	24.53	9.71
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	26.41	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	27.48	11.23
		For Work In Restricted Working Space, Add	*6.42*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	30.37	11.93
		For Work In Restricted Working Space, Add	*6.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	39.13	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	47.17	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	64.26	21.31
		For Work In Restricted Working Space, Add	*12.78*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	95.41	28.97
		For Work In Restricted Working Space, Add	*17.04*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	112.55	31.95
		For Work In Restricted Working Space, Add	*19.17*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	141.78	35.79
		For Work In Restricted Working Space, Add	*21.98*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	178.21	42.60
		For Work In Restricted Working Space, Add	*25.56*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	222.03	53.26
		For Work In Restricted Working Space, Add	*31.95*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	370.54	63.91
		For Work In Restricted Working Space, Add	*38.34*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	577.87	74.55
		For Work In Restricted Working Space, Add	*44.73*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.55	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	24.25	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.33	8.52
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.24	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.91	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.59	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.30	9.71
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.95	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.88	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	41.30	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	69.93	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	87.00	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	103.09	21.31
		For Work In Restricted Working Space, Add	*12.78*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.12	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.86	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	19.94	8.52
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.49	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.64	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	21.23	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.46	9.71
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.58	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.66	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.70	11.93
		For Work In Restricted Working Space, Add	*6.82*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	25.40	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	26.37	8.52
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	26.88	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	27.92	9.22
		For Work In Restricted Working Space, Add	*5.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.15	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.52	9.71
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.24	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	41.45	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	52.32	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	64.85	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	93.28	21.31
		For Work In Restricted Working Space, Add	*12.78*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	131.74	28.97
		For Work In Restricted Working Space, Add	*17.04*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	147.95	31.95
		For Work In Restricted Working Space, Add	*19.17*	
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	31.38	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	33.67	9.71
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.55	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	39.22	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	41.82	11.93
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	51.84	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	60.32	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	80.72	21.31
		For Work In Restricted Working Space, Add	*12.78*	
23 05 29 00-0072		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0073		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)*		
		Note: Type 5.		
23 05 29 00-0074	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	16.01	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0075	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	17.49	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.11	8.31
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.06	9.23
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	22.13	9.70
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.84	10.16
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	27.99	10.62
		For Work In Restricted Working Space, Add	*6.37*	
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.25	11.08
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.25	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0083		Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*		
		Note: Type 10.		
23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	18.19	8.52
		For Work In Restricted Working Space, Add	*5.11*	
		For 304 Stainless Steel, Add	*7.59*	
		For 316 Stainless Steel, Add	*9.78*	
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	19.19	8.52
		For Work In Restricted Working Space, Add	*5.38*	
		For 304 Stainless Steel, Add	*8.32*	
		For 316 Stainless Steel, Add	*10.71*	
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.19	9.37
		For Work In Restricted Working Space, Add	*5.68*	
		For 304 Stainless Steel, Add	*8.32*	
		For 316 Stainless Steel, Add	*10.71*	
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.46	10.22
		For Work In Restricted Working Space, Add	*6.02*	
		For 304 Stainless Steel, Add	*9.31*	
		For 316 Stainless Steel, Add	*11.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.13	11.93
		For Work In Restricted Working Space, Add	*6.82*	
		For 304 Stainless Steel, Add	*9.31*	
		For 316 Stainless Steel, Add	*11.99*	
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.83	11.93
		For Work In Restricted Working Space, Add	*7.30*	
		For 304 Stainless Steel, Add	*9.83*	
		For 316 Stainless Steel, Add	*12.67*	
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.64	12.78
		For Work In Restricted Working Space, Add	*7.87*	
		For 304 Stainless Steel, Add	*15.97*	
		For 316 Stainless Steel, Add	*20.57*	
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.93	14.48
		For Work In Restricted Working Space, Add	*8.52*	
		For 304 Stainless Steel, Add	*16.70*	
		For 316 Stainless Steel, Add	*21.51*	
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	34.48	15.55
		For Work In Restricted Working Space, Add	*9.33*	
		For 304 Stainless Steel, Add	*22.31*	
		For 316 Stainless Steel, Add	*28.73*	
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	37.47	17.04
		For Work In Restricted Working Space, Add	*10.23*	
		For 304 Stainless Steel, Add	*22.31*	
		For 316 Stainless Steel, Add	*28.73*	
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	45.37	19.17
		For Work In Restricted Working Space, Add	*11.50*	
		For 304 Stainless Steel, Add	*46.40*	
		For 316 Stainless Steel, Add	*59.76*	
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	49.73	21.31
		For Work In Restricted Working Space, Add	*12.78*	
		For 304 Stainless Steel, Add	*47.06*	
		For 316 Stainless Steel, Add	*60.61*	
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	59.59	25.56
		For Work In Restricted Working Space, Add	*15.34*	
		For 304 Stainless Steel, Add	*55.90*	
		For 316 Stainless Steel, Add	*72.00*	

23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*

23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	18.85	8.52
		For Work In Restricted Working Space, Add	*5.11*	
		For 304 Stainless Steel, Add	*11.95*	
		For 316 Stainless Steel, Add	*15.39*	
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	19.74	8.52
		For Work In Restricted Working Space, Add	*5.38*	
		For 304 Stainless Steel, Add	*11.95*	
		For 316 Stainless Steel, Add	*15.39*	
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	20.74	9.37
		For Work In Restricted Working Space, Add	*5.68*	
		For 304 Stainless Steel, Add	*11.95*	
		For 316 Stainless Steel, Add	*15.39*	
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.86	10.22
		For Work In Restricted Working Space, Add	*6.02*	
		For 304 Stainless Steel, Add	*11.95*	
		For 316 Stainless Steel, Add	*15.39*	
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	24.69	11.93
		For Work In Restricted Working Space, Add	*6.82*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*16.75*	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.31	11.93
		For Work In Restricted Working Space, Add	*7.30*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*16.75*	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	31.38	12.78
		For Work In Restricted Working Space, Add	*7.87*	
		For 304 Stainless Steel, Add	*34.06*	
		For 316 Stainless Steel, Add	*43.86*	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	34.79	14.48
		For Work In Restricted Working Space, Add	*8.52*	
		For 304 Stainless Steel, Add	*42.17*	
		For 316 Stainless Steel, Add	*54.32*	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	37.99	15.55
		For Work In Restricted Working Space, Add	*9.33*	
		For 304 Stainless Steel, Add	*45.47*	
		For 316 Stainless Steel, Add	*58.57*	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	42.48	17.04
		For Work In Restricted Working Space, Add	*10.23*	
		For 304 Stainless Steel, Add	*55.37*	
		For 316 Stainless Steel, Add	*71.32*	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	46.85	19.17
		For Work In Restricted Working Space, Add	*11.50*	
		For 304 Stainless Steel, Add	*56.17*	
		For 316 Stainless Steel, Add	*72.34*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	54.92	21.31
		For Work In Restricted Working Space, Add	*12.78*	
		For 304 Stainless Steel, Add	*81.31*	
		For 316 Stainless Steel, Add	*104.72*	

23 05 29 00-0110 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	30.03	6.82
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	32.95	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	36.48	8.95
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	42.01	10.23
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	59.32	11.51
		For Work In Restricted Working Space, Add	*6.91*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	51.73	12.79
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	64.65	15.34
		For Work In Restricted Working Space, Add	*9.21*	
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	88.49	17.90
		For Work In Restricted Working Space, Add	*10.74*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	104.86	21.32
		For Work In Restricted Working Space, Add	*12.79*	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*

Note: Type 43.

23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	44.07	12.04
		For Work In Restricted Working Space, Add	*6.95*	
		For 304 Stainless Steel, Add	*138.07*	
		For 316 Stainless Steel, Add	*177.82*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	45.74	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For 304 Stainless Steel, Add	*138.07*	
		For 316 Stainless Steel, Add	*177.82*	
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	49.79	12.96
		For Work In Restricted Working Space, Add	*7.94*	
		For 304 Stainless Steel, Add	*153.98*	
		For 316 Stainless Steel, Add	*198.31*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	58.84	13.89
		For Work In Restricted Working Space, Add	*8.33*	
		For 304 Stainless Steel, Add	*205.00*	
		For 316 Stainless Steel, Add	*264.01*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	61.92	15.74
		For Work In Restricted Working Space, Add	*9.26*	
		For 304 Stainless Steel, Add	*205.00*	
		For 316 Stainless Steel, Add	*264.01*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	70.15	16.95
		For Work In Restricted Working Space, Add	*10.17*	
		For 304 Stainless Steel, Add	*239.32*	
		For 316 Stainless Steel, Add	*308.21*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	82.07	18.52
		For Work In Restricted Working Space, Add	*11.11*	
		For 304 Stainless Steel, Add	*297.20*	
		For 316 Stainless Steel, Add	*382.76*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	113.70	23.15
		For Work In Restricted Working Space, Add	*13.89*	
		For 304 Stainless Steel, Add	*444.84*	
		For 316 Stainless Steel, Add	*572.90*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	142.03	31.49
		For Work In Restricted Working Space, Add	*18.52*	
		For 304 Stainless Steel, Add	*529.91*	
		For 316 Stainless Steel, Add	*682.47*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	187.49	34.73
		For Work In Restricted Working Space, Add	*20.84*	
		For 304 Stainless Steel, Add	*779.06*	
		For 316 Stainless Steel, Add	*1,003.34*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	406.75	39.82
		For Work In Restricted Working Space, Add	*23.89*	
		For 304 Stainless Steel, Add	*2,158.93*	
		For 316 Stainless Steel, Add	*2,780.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	512.49	46.30
		For Work In Restricted Working Space, Add	*27.78*	
		For 304 Stainless Steel, Add	*2,771.27*	
		For 316 Stainless Steel, Add	*3,569.07*	

23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*

23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)	42.69	12.04
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	46.04	12.41
		For Work In Restricted Working Space, Add	*7.45*	
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)	48.16	12.96
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	55.42	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)	61.77	15.74
		For Work In Restricted Working Space, Add	*9.26*	
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)	67.48	16.95
		For Work In Restricted Working Space, Add	*10.17*	
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)	83.82	18.52
		For Work In Restricted Working Space, Add	*11.11*	
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)	109.54	23.15
		For Work In Restricted Working Space, Add	*13.89*	
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)	141.07	31.49
		For Work In Restricted Working Space, Add	*18.52*	
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)	184.97	34.73
		For Work In Restricted Working Space, Add	*20.84*	
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)	200.80	39.82
		For Work In Restricted Working Space, Add	*23.89*	
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)	243.00	46.30
		For Work In Restricted Working Space, Add	*27.78*	
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)	329.91	57.87
		For Work In Restricted Working Space, Add	*34.73*	
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)	409.35	69.45
		For Work In Restricted Working Space, Add	*41.67*	

23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	49.12	12.04
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	55.55	12.41
		For Work In Restricted Working Space, Add	*7.45*	
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	58.30	12.96
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	61.63	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	74.78	15.74
		For Work In Restricted Working Space, Add	*9.26*	
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	85.09	16.95
		For Work In Restricted Working Space, Add	*10.17*	
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	99.72	18.52
		For Work In Restricted Working Space, Add	*11.11*	
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	142.27	23.15
		For Work In Restricted Working Space, Add	*13.89*	
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	176.36	31.49
		For Work In Restricted Working Space, Add	*18.52*	
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	204.51	34.73
		For Work In Restricted Working Space, Add	*20.84*	
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	294.36	39.82
		For Work In Restricted Working Space, Add	*23.89*	
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	353.65	46.30
		For Work In Restricted Working Space, Add	*27.78*	
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	398.76	57.87
		For Work In Restricted Working Space, Add	*34.73*	

23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	49.50	12.04
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	55.88	12.41
		For Work In Restricted Working Space, Add	*7.45*	
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	58.86	12.96
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	61.14	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	78.53	15.74
		For Work In Restricted Working Space, Add	*9.26*	
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	89.51	16.95
		For Work In Restricted Working Space, Add	*10.17*	
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	105.00	18.52
		For Work In Restricted Working Space, Add	*11.11*	
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	150.45	23.15
		For Work In Restricted Working Space, Add	*13.89*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	186.17	31.49
		For Work In Restricted Working Space, Add	*18.52*	
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	215.99	34.73
		For Work In Restricted Working Space, Add	*20.84*	
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	312.71	39.82
		For Work In Restricted Working Space, Add	*23.89*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	15.95	5.54
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	16.13	5.63
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	16.34	5.72
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	18.02	5.81
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	18.20	5.91
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	19.52	6.00
		For Work In Restricted Working Space, Add	*3.60*	
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.32	6.18
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	21.62	6.37
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	25.49	6.46
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	29.17	8.31
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	42.21	11.08
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	58.45	13.84
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	68.87	16.15
		For Work In Restricted Working Space, Add	*9.69*	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	102.84	18.46
		For Work In Restricted Working Space, Add	*11.08*	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	142.56	20.31
		For Work In Restricted Working Space, Add	*12.18*	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	235.66	22.15
		For Work In Restricted Working Space, Add	*13.29*	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	255.44	24.00
		For Work In Restricted Working Space, Add	*14.40*	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	421.24	25.85
		For Work In Restricted Working Space, Add	*15.51*	
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	488.17	27.69
		For Work In Restricted Working Space, Add	*16.62*	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	638.91	30.46
		For Work In Restricted Working Space, Add	*18.28*	

23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	35.21	5.97
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	47.21	5.97
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	52.00	6.17
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	84.79	6.39
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	92.35	6.81
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	160.66	6.81
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	261.70	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	332.63	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	361.20	10.22
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,133.34	11.93
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,303.20	12.78
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,670.65	13.64
		For Work In Restricted Working Space, Add	*8.18*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	16.31	5.11
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	17.05	5.19
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	17.30	5.28
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	18.88	5.36
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	19.68	5.45
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	20.19	5.54
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	21.08	5.71
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	22.42	5.88
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	24.90	5.97
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	30.02	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	38.66	10.22
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	49.12	12.78
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	68.39	14.91
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	91.16	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	111.20	18.75
		For Work In Restricted Working Space, Add	*11.25*	
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	151.81	20.45
		For Work In Restricted Working Space, Add	*12.27*	
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	297.48	22.15
		For Work In Restricted Working Space, Add	*13.29*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	30.80	5.11
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.28	5.19
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.64	5.28
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.04	5.36
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	39.89	5.45
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	42.51	5.54
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.16	5.71
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	50.91	5.88
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	69.11	7.67
		For Work In Restricted Working Space, Add	*4.60*	

23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*

Note: Type 42

23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	72.26	5.97
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	76.62	6.39
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	84.27	6.81
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	90.21	6.81
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	109.42	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	347.85	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0245	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	466.64	10.22
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0246	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	556.18	11.93
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0247	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	812.62	12.78
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0248	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,122.10	13.64
		For Work In Restricted Working Space, Add	*8.18*	

23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*

23 05 29 00-0250	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	66.46	5.97
		For Work In Restricted Working Space, Add	*3.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0251	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	71.64	6.39
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0252	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	127.54	6.81
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0253	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	142.23	6.81
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0254	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	205.33	7.67
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0255	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	316.55	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0256	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	425.25	10.22
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0257	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	506.28	11.93
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0258	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	742.54	12.78
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0259	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	1,018.36	13.64
		For Work In Restricted Working Space, Add	*8.18*	

23 05 29 00-0260 Split Pipe Clamps And Rings *(23 05 29 00-0001)*

23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*

Note: Type 6.

23 05 29 00-0262	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	27.40	7.85
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0263	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	29.02	8.31
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0264	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	31.46	9.23
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	34.02	9.70
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	36.92	10.16
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	46.54	10.62
		For Work In Restricted Working Space, Add	*6.37*	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	51.35	11.08
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	69.47	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	88.43	15.69
		For Work In Restricted Working Space, Add	*9.42*	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	119.49	18.46
		For Work In Restricted Working Space, Add	*11.08*	

23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*

Note: Type 11.

23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	17.02	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	17.97	6.48
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	19.74	8.33
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.59	8.33
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.45	8.33
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	28.88	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	39.98	9.25
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	44.79	10.18
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	47.53	11.11
		For Work In Restricted Working Space, Add	*6.61*	

23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*

Note: Type 12.

23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	17.02	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	17.97	6.94
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	19.74	7.87
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.59	8.33
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.45	8.33
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	28.88	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	39.98	9.72
		For Work In Restricted Working Space, Add	*5.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	44.79	10.18
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0291		**Pipe Straps** *(23 05 29 00-0001)*		
23 05 29 00-0292		**Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180)** *(23 05 29 00-0291)* Note: Type 26.		
23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	12.91	4.63
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	13.63	5.55
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	14.25	5.55
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	15.01	5.55
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	15.82	6.48
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	16.92	6.48
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	25.98	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	28.71	6.48
		For Work In Restricted Working Space, Add	*4.27*	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	34.07	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	42.51	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	49.01	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0304		**2-Hole Copper Straps** *(23 05 29 00-0291)*		
23 05 29 00-0305	EA	1/2" 2-Hole Copper Straps	4.88	
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0306	EA	3/4" 2-Hole Copper Straps	5.29	
		For Work In Restricted Working Space, Add	*1.46*	
23 05 29 00-0307	EA	1" 2-Hole Copper Straps	2.60	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0308		**Black Malleable Iron Clamps, 1 Hole** *(23 05 29 00-0291)*		
23 05 29 00-0309	EA	1/2" Galvanized Steel Strap, 1 Hole	2.35	
		For Work In Restricted Working Space, Add	*0.46*	
23 05 29 00-0310	EA	3/4" Galvanized Steel Strap, 1 Hole	2.60	
		For Work In Restricted Working Space, Add	*0.50*	
23 05 29 00-0311	EA	1" Galvanized Steel Strap, 1 Hole	3.23	
		For Work In Restricted Working Space, Add	*0.53*	
23 05 29 00-0312	EA	1-1/4" Galvanized Steel Strap, 1 Hole	3.75	
		For Work In Restricted Working Space, Add	*0.58*	
23 05 29 00-0313	EA	1-1/2" Galvanized Steel Strap, 1 Hole	4.26	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0314	EA	2" Galvanized Steel Strap, 1 Hole	5.73	
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0315		**Pipe and Equipment Support Brackets** *(23 05 29 00-0001)*		
23 05 29 00-0316		**Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)** *(23 05 29 00-0315)* Note: Up to 750# load.		
23 05 29 00-0317	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	120.89	10.22
		For Galvanized, Add	*20.09*	
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0318	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	122.72	10.22
		For Galvanized, Add	*20.45*	
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0319	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	129.99	10.22
		For Galvanized, Add	*21.91*	
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0320		**Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)** *(23 05 29 00-0315)* Note: Up to 1500# load.		
23 05 29 00-0321	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	298.36	10.22
		For Galvanized, Add	*55.58*	
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0322	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	350.60	10.22
		For Galvanized, Add	*66.03*	
		For Work In Restricted Working Space, Add	*6.14*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0323	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	457.13	10.22
		For Galvanized, Add	*87.34*	
		For Work In Restricted Working Space, Add	*6.14*	

23 05 29 00-0324 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0325 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0324)*

23 05 29 00-0326	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	298.46	16.19
23 05 29 00-0327	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	299.31	16.62
23 05 29 00-0328	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	300.17	17.04
23 05 29 00-0329	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	301.01	17.47
23 05 29 00-0330	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	327.79	17.89
23 05 29 00-0331	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	335.23	19.59
23 05 29 00-0332	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	336.51	20.24
23 05 29 00-0333	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	337.78	20.87
23 05 29 00-0334	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	357.53	22.15
23 05 29 00-0335	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	418.27	28.12
23 05 29 00-0336	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	430.19	34.09
23 05 29 00-0337	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	487.30	42.60
23 05 29 00-0338	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	884.95	51.12
23 05 29 00-0339	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	1,341.20	68.16
23 05 29 00-0340	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	1,651.21	85.21
23 05 29 00-0341	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	1,982.66	95.44
23 05 29 00-0342	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	2,140.54	106.51
23 05 29 00-0343	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	2,279.93	121.84
23 05 29 00-0344	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	2,857.70	127.81

23 05 29 00-0345 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0324)*

23 05 29 00-0346	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	299.31	16.62
23 05 29 00-0347	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	326.09	17.04
23 05 29 00-0348	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	326.93	17.47
23 05 29 00-0349	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	327.79	17.89
23 05 29 00-0350	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	328.64	18.32
23 05 29 00-0351	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	336.07	20.03
23 05 29 00-0352	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	337.35	20.66
23 05 29 00-0353	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	355.82	21.31
23 05 29 00-0354	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	358.38	22.58
23 05 29 00-0355	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	419.54	28.75
23 05 29 00-0356	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	431.90	34.93
23 05 29 00-0357	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	489.42	43.67
23 05 29 00-0358	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	887.50	52.40
23 05 29 00-0359	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	1,344.62	69.87
23 05 29 00-0360	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	1,655.47	87.33
23 05 29 00-0361	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	1,987.77	97.99
23 05 29 00-0362	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	2,145.65	109.06
23 05 29 00-0363	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	2,285.89	124.82
23 05 29 00-0364	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	2,864.09	131.00

23 05 29 00-0365 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0324)*

23 05 29 00-0366	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	326.09	17.04
23 05 29 00-0367	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	330.96	17.47
23 05 29 00-0368	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	331.82	17.89
23 05 29 00-0369	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	332.67	18.32
23 05 29 00-0370	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	333.52	18.75
23 05 29 00-0371	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	354.12	20.45
23 05 29 00-0372	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	355.82	21.31
23 05 29 00-0373	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	356.89	21.84
23 05 29 00-0374	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	408.04	23.01
23 05 29 00-0375	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	420.82	29.40
23 05 29 00-0376	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	473.66	35.79
23 05 29 00-0377	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	535.93	44.73
23 05 29 00-0378	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	890.06	53.68
23 05 29 00-0379	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	1,348.03	71.57
23 05 29 00-0380	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	1,659.73	89.47
23 05 29 00-0381	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	1,992.69	100.45
23 05 29 00-0382	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	2,151.20	111.83
23 05 29 00-0383	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	2,291.86	127.81
23 05 29 00-0384	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	2,870.48	134.20

23 05 29 00-0385 Pipe Alignment Guide, 2-1/2" Insulation *(23 05 29 00-0324)*

23 05 29 00-0386	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	330.96	17.47
23 05 29 00-0387	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	349.01	17.89
23 05 29 00-0388	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	349.86	18.32
23 05 29 00-0389	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	350.71	18.75
23 05 29 00-0390	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	351.56	19.17
23 05 29 00-0391	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	354.97	20.87
23 05 29 00-0392	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	356.89	21.84

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0393	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	406.76	22.36
23 05 29 00-0394	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	408.90	23.43
23 05 29 00-0395	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	461.74	29.82
23 05 29 00-0396	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	475.36	36.64
23 05 29 00-0397		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	874.30	45.80
23 05 29 00-0398	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,314.80	54.96
23 05 29 00-0399	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	1,627.35	73.27
23 05 29 00-0400	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	1,664.27	91.60
23 05 29 00-0401	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	1,998.00	103.09
23 05 29 00-0402	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	2,156.73	114.60
23 05 29 00-0403	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	2,298.25	131.00
23 05 29 00-0404	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	2,877.30	137.60
23 05 29 00-0405		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0324)*		
23 05 29 00-0406	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	349.01	17.89
23 05 29 00-0407	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	349.86	18.32
23 05 29 00-0408	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	350.71	18.75
23 05 29 00-0409	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	351.56	19.17
23 05 29 00-0410	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	352.42	19.59
23 05 29 00-0411	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	404.63	21.31
23 05 29 00-0412	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	406.76	22.36
23 05 29 00-0413	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	408.04	23.01
23 05 29 00-0414	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	450.14	24.03
23 05 29 00-0415	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	463.44	30.67
23 05 29 00-0416	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	521.45	37.49
23 05 29 00-0417	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	876.42	46.87
23 05 29 00-0418	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,317.35	56.24
23 05 29 00-0419	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	1,630.76	74.99
23 05 29 00-0420	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	1,668.53	93.72
23 05 29 00-0421	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	2,003.11	105.65
23 05 29 00-0422	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	2,161.85	117.15
23 05 29 00-0423	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	2,304.64	134.20
23 05 29 00-0424	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	2,884.11	141.01
23 05 29 00-0425		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0324)*		
23 05 29 00-0426	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	349.86	18.32
23 05 29 00-0427	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	399.52	18.75
23 05 29 00-0428	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	400.37	19.17
23 05 29 00-0429	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	401.23	19.59
23 05 29 00-0430	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	402.07	20.03
23 05 29 00-0431	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	405.70	21.84
23 05 29 00-0432	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	407.87	22.93
23 05 29 00-0433	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	449.25	23.58
23 05 29 00-0434	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	451.51	24.71
23 05 29 00-0435	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	509.51	31.53
23 05 29 00-0436	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	859.39	38.34
23 05 29 00-0437	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,300.74	47.92
23 05 29 00-0438	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	1,596.36	57.65
23 05 29 00-0439	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	1,945.17	76.69
23 05 29 00-0440	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	1,983.94	96.07
23 05 29 00-0441	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	2,150.35	108.21
23 05 29 00-0442	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	2,276.52	120.14
23 05 29 00-0443	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	2,876.44	137.18
23 05 29 00-0444		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0324)*		
23 05 29 00-0445	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	399.52	18.75
23 05 29 00-0446	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	400.37	19.17
23 05 29 00-0447	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	401.23	19.59
23 05 29 00-0448	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	402.07	20.03
23 05 29 00-0449	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	402.93	20.45
23 05 29 00-0450	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	446.82	22.36
23 05 29 00-0451	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	448.96	23.43
23 05 29 00-0452	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	450.41	24.15
23 05 29 00-0453	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	497.16	25.35
23 05 29 00-0454	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	847.46	32.38
23 05 29 00-0455	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	861.09	39.20
23 05 29 00-0456	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,302.87	48.99
23 05 29 00-0457	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	1,599.51	59.22
23 05 29 00-0458	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	1,949.01	78.60
23 05 29 00-0459	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	2,123.50	97.99
23 05 29 00-0460	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	2,257.77	110.76
23 05 29 00-0461	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	2,849.18	123.54
23 05 29 00-0462		**Sway Bracing For No Hub Pipe** *(23 05 29 00-0001)*		
23 05 29 00-0463	EA	1-1/2" Sway Bracing	101.15	11.25
		For Work In Restricted Working Space, Add	*6.73*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0464	EA	2" Sway Bracing	104.28	11.85
		For Work In Restricted Working Space, Add	*7.10*	
23 05 29 00-0465	EA	3" Sway Bracing	108.06	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0466	EA	4" Sway Bracing	122.65	14.23
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0467	EA	6" Sway Bracing	180.04	21.31
		For Work In Restricted Working Space, Add	*12.78*	
23 05 29 00-0468	EA	8" Sway Bracing	200.04	26.59
		For Work In Restricted Working Space, Add	*15.98*	
23 05 29 00-0469	EA	10" Sway Bracing	226.55	35.54
		For Work In Restricted Working Space, Add	*21.30*	

23 05 29 00-0470 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0471	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	133.43	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0472	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	136.81	9.37
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0473	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	245.60	10.65
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0474	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	307.24	11.93
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	312.10	13.20
		For Work In Restricted Working Space, Add	*7.93*	
23 05 29 00-0476	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	340.78	14.91
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0477	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	408.88	16.19
		For Work In Restricted Working Space, Add	*9.71*	
23 05 29 00-0478	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	414.46	17.47
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0479	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	421.69	19.17
		For Work In Restricted Working Space, Add	*11.50*	
23 05 29 00-0480	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	438.57	20.87
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0481	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	467.81	23.01
		For Work In Restricted Working Space, Add	*13.80*	
23 05 29 00-0482	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	482.74	25.56
		For Work In Restricted Working Space, Add	*15.34*	
23 05 29 00-0483	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	586.72	28.12
		For Work In Restricted Working Space, Add	*16.87*	
23 05 29 00-0484	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	636.52	31.53
		For Work In Restricted Working Space, Add	*18.92*	
23 05 29 00-0485	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	898.27	34.93
		For Work In Restricted Working Space, Add	*20.96*	
23 05 29 00-0486	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,083.18	38.34
		For Work In Restricted Working Space, Add	*23.01*	
23 05 29 00-0487	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,279.71	41.75
		For Work In Restricted Working Space, Add	*25.05*	

23 05 29 00-0488 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0489	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe	11.67	3.83
23 05 29 00-0490	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe	12.29	4.26
23 05 29 00-0491	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe	13.32	4.47
23 05 29 00-0492	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe	14.41	4.69
23 05 29 00-0493	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe	16.27	5.11
23 05 29 00-0494	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe	17.91	5.32
23 05 29 00-0495	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe	24.08	5.54
23 05 29 00-0496	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe	27.97	5.97
23 05 29 00-0497	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe	35.79	6.81
23 05 29 00-0498	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe	51.24	7.67

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0499		**Galvanized Steel Cushion Tube Clamp** *(23 05 29 00-0001)*		
		Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0500	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe	3.08	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0501	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe	3.15	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0502	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe	3.20	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0503	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe	3.32	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0504	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe	3.17	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0505	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe	3.40	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0506	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe	3.26	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0507	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe	3.53	
		Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0508	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe	3.54	
		Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0509	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	3.38	
		Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe	3.51	
		Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe	3.89	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe	3.52	
		Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe	3.77	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe	4.17	
		Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe	4.21	
		Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe	4.43	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe	4.88	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe	5.01	
		Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe	5.68	
		Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe	5.73	
		Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe	5.15	
		Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe	5.68	
		Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe	6.00	
		Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe	5.32	
		Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe	5.64	
		Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe	6.89	
		Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe	5.28	
		Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe	5.75	
		Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe	7.16	
		Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0530		**Rooftop Pipe Supports** *(23 05 29 00-0001)*		
		Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0531		**Rooftop Support Base** *(23 05 29 00-0530)*		
23 05 29 00-0532	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	31.72	6.94
23 05 29 00-0533	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	44.25	9.25
23 05 29 00-0534		**Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0530)*		
23 05 29 00-0535	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	36.16	6.94
23 05 29 00-0536	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	51.46	9.25
23 05 29 00-0537	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	95.72	11.57
23 05 29 00-0538	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	132.56	13.88
23 05 29 00-0539	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	183.95	16.20
23 05 29 00-0540	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	193.82	18.51
23 05 29 00-0541		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0530)*		
23 05 29 00-0542	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	63.26	9.25

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0543	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	100.98	11.57
23 05 29 00-0544	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	134.67	13.88
23 05 29 00-0545	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	184.07	16.20
23 05 29 00-0546	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	207.62	13.88
23 05 29 00-0547		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0530)*		
23 05 29 00-0548	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	106.16	13.88
23 05 29 00-0549	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	120.86	16.20
23 05 29 00-0550	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	125.45	18.51
23 05 29 00-0551	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	137.24	20.82
23 05 29 00-0552	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	176.08	23.14
23 05 29 00-0553		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0530)*		
23 05 29 00-0554	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	77.22	9.25
23 05 29 00-0555	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	77.22	9.25
23 05 29 00-0556	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	77.66	9.25
23 05 29 00-0557	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	82.74	11.57
23 05 29 00-0558	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	79.52	11.57
23 05 29 00-0559	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	83.66	11.57
23 05 29 00-0560		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0530)*		
23 05 29 00-0561	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	98.35	9.25
23 05 29 00-0562	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	109.94	9.25
23 05 29 00-0563	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	144.19	11.57
23 05 29 00-0564	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	191.55	11.57
23 05 29 00-0565	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	261.89	11.57
23 05 29 00-0566		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0530)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0567	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	122.21	13.88
23 05 29 00-0568		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0530)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0569	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	79.73	11.57
23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	108.97	13.88
23 05 29 00-0571	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	121.40	16.20
23 05 29 00-0572		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0530)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0573	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	296.39	18.51
23 05 29 00-0574	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	299.72	18.51
23 05 29 00-0575	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	311.42	18.51
23 05 29 00-0576	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	338.26	18.51
23 05 29 00-0577	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	290.44	18.51
23 05 29 00-0578	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	301.63	18.51
23 05 29 00-0579	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	313.32	18.51
23 05 29 00-0580	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	340.15	18.51
23 05 29 00-0581	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	303.73	18.51
23 05 29 00-0582	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	307.64	18.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0583	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	319.11	18.51
23 05 29 00-0584	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	346.06	18.51
23 05 29 00-0585	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	317.32	18.51
23 05 29 00-0586	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	320.88	18.51
23 05 29 00-0587	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	332.35	18.51
23 05 29 00-0588	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	359.31	18.51

23 05 29 00-0589 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0590 Threaded Rod And Rod Accessories *(23 05 29 00-0589)*

23 05 29 00-0591 Threaded Rod *(23 05 29 00-0590)*

Note: Fully threaded.

23 05 29 00-0592	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.58	0.58
		For Galvanized, Add	*0.57*	
		For Zinc Plated, Add	*0.40*	
		For Work In Restricted Working Space, Add	*0.35*	
23 05 29 00-0593	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.48	0.62
		For Galvanized, Add	*0.90*	
		For Zinc Plated, Add	*0.64*	
		For Work In Restricted Working Space, Add	*0.37*	
23 05 29 00-0594	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.77	0.63
		For Galvanized, Add	*1.40*	
		For Zinc Plated, Add	*0.99*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0595	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.67	0.65
		For Galvanized, Add	*2.54*	
		For Zinc Plated, Add	*1.81*	
		For Work In Restricted Working Space, Add	*0.40*	
23 05 29 00-0596	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.34	0.68
		For Galvanized, Add	*2.79*	
		For Zinc Plated, Add	*1.99*	
		For Work In Restricted Working Space, Add	*0.41*	
23 05 29 00-0597	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.33	0.76
		For Galvanized, Add	*3.92*	
		For Zinc Plated, Add	*2.79*	
		For Work In Restricted Working Space, Add	*0.46*	
23 05 29 00-0598	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.06	0.86
		For Galvanized, Add	*4.94*	
		For Zinc Plated, Add	*3.52*	
		For Work In Restricted Working Space, Add	*0.51*	

23 05 29 00-0599 Rod Couplings *(23 05 29 00-0590)*

23 05 29 00-0600	EA	3/8" Diameter, Threaded Rod Coupling Nut	7.09	
		For Work In Restricted Working Space, Add	*1.70*	
23 05 29 00-0601	EA	1/2" Diameter, Threaded Rod Coupling Nut	8.08	
		For Work In Restricted Working Space, Add	*1.89*	
23 05 29 00-0602	EA	5/8" Diameter, Threaded Rod Coupling Nut	10.24	
		For Work In Restricted Working Space, Add	*2.13*	
23 05 29 00-0603	EA	3/4" Diameter, Threaded Rod Coupling Nut	12.64	
		For Work In Restricted Working Space, Add	*2.33*	
23 05 29 00-0604	EA	7/8" Diameter, Threaded Rod Coupling Nut	19.05	
		For Work In Restricted Working Space, Add	*2.56*	
23 05 29 00-0605	EA	1" Diameter, Threaded Rod Coupling Nut	22.61	
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0606	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	44.67	
		For Work In Restricted Working Space, Add	*3.41*	

23 05 29 00-0607 Flat Washers *(23 05 29 00-0590)*

Note: Zinc plated.

23 05 29 00-0608	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.50	0.18
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.11*	
23 05 29 00-0609	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.70	0.18
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.13*	
23 05 29 00-0610	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.02	0.28
		For Galvanized, Add	*0.13*	
		For Work In Restricted Working Space, Add	*0.15*	
23 05 29 00-0611	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.40	0.28
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0612	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.65	0.37
		For Galvanized, Add	*0.22*	
		For Work In Restricted Working Space, Add	*0.23*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0613	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.94	0.37
		For Galvanized, Add	*0.27*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0614	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.19	0.46
		For Galvanized, Add	*0.31*	
		For Work In Restricted Working Space, Add	*0.29*	

23 05 29 00-0615 Hex Nuts *(23 05 29 00-0590)*

Note: Grade 2 and zinc plated.

23 05 29 00-0616	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.23
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0617	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.23
		For Galvanized, Add	*0.06*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0618	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.13	0.23
		For Galvanized, Add	*0.13*	
		For Work In Restricted Working Space, Add	*0.18*	
23 05 29 00-0619	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.33	0.46
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0620	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.98	0.46
		For Galvanized, Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0621	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.54	0.46
		For Galvanized, Add	*0.44*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0622	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.20	0.46
		For Galvanized, Add	*0.84*	
		For Work In Restricted Working Space, Add	*0.26*	

23 05 29 00-0623 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0590)*

Note: Type 13.

23 05 29 00-0624	EA	3/8" Turnbuckle (Cooper B-Line B3202)	25.60	4.63
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0625	EA	1/2" Turnbuckle (Cooper B-Line B3202)	30.61	5.09
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0626	EA	5/8" Turnbuckle (Cooper B-Line B3202)	32.82	5.55
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0627	EA	3/4" Turnbuckle (Cooper B-Line B3202)	41.69	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0628	EA	7/8" Turnbuckle (Cooper B-Line B3202)	54.45	6.94
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0629	EA	1" Turnbuckle (Cooper B-Line B3202)	67.76	7.41
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0630	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	94.73	8.33
		For Work In Restricted Working Space, Add	*6.95*	

23 05 29 00-0631 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0590)*

Note: Type 15.

23 05 29 00-0632	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	15.27	4.63
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0633	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	17.79	5.18
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0634	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	24.17	5.75
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0635	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	29.43	6.57
		For Work In Restricted Working Space, Add	*3.97*	

23 05 29 00-0636 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0590)*

Note: Type 14.

23 05 29 00-0637	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	89.19	8.52
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0638	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	133.60	8.95
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0639	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	144.63	9.37
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0640	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	150.52	10.22
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0641	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	157.96	11.50
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0642	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	265.48	14.91
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0643	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	287.67	17.04
		For Work In Restricted Working Space, Add	*10.23*	
23 05 29 00-0644	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	338.44	21.31
		For Work In Restricted Working Space, Add	*12.78*	

23 05 29 00-0645 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0590)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0646	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	25.24	5.00
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0647	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	26.08	5.09
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0648	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	26.92	5.18
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0649	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	27.12	5.28
		For Work In Restricted Working Space, Add	*3.18*	
23 05 29 00-0650	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	28.82	5.46
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0651	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	30.73	5.83
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0652	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	31.96	6.11
		For Work In Restricted Working Space, Add	*3.65*	
23 05 29 00-0653	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	34.53	6.39
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0654	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	36.42	6.67
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0655	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	38.33	6.94
		For Work In Restricted Working Space, Add	*4.16*	
23 05 29 00-0656	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	34.21	5.55
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0657	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	35.07	5.65
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0658	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	35.96	5.75
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-0659	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	36.81	5.84
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0660	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	38.54	6.02
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0661	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	41.79	6.39
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0662	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	44.40	6.67
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0663	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	47.66	6.94
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0664	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	50.23	7.32
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0665	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	52.85	7.60
		For Work In Restricted Working Space, Add	*4.56*	
23 05 29 00-0666	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	46.77	6.21
		For Work In Restricted Working Space, Add	*3.73*	
23 05 29 00-0667	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	48.28	6.30
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0668	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	49.83	6.39
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0669	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	50.70	6.57
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0670	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	53.11	6.76
		For Work In Restricted Working Space, Add	*4.05*	
23 05 29 00-0671	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	57.05	7.03
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0672	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	60.99	7.41
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0673	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	64.26	7.69
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0674	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	68.21	8.06
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0675	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	72.13	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0676	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	57.69	7.03
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0677	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	59.90	7.13
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0678	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	61.44	7.32
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0679	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	63.63	7.41
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0680	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	67.38	7.60
		For Work In Restricted Working Space, Add	*4.57*	
23 05 29 00-0681	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	72.63	7.96
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0682	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	77.92	8.24
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0683	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	83.87	8.61
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0684	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	89.78	8.89
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0685	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	95.08	9.26
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0686	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	69.19	8.15
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0687	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	72.05	8.33
		For Work In Restricted Working Space, Add	*4.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0688	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	74.27	8.42
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0689	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	76.48	8.52
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0690	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	80.91	8.80
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0691	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	88.18	9.08
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0692	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	94.80	9.45
		For Work In Restricted Working Space, Add	*5.67*	
23 05 29 00-0693	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	102.08	9.81
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0694	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	108.71	10.09
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0695	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	115.33	10.47
		For Work In Restricted Working Space, Add	*6.28*	
23 05 29 00-0696	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	86.88	9.81
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0697	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	89.78	9.91
		For Work In Restricted Working Space, Add	*5.94*	
23 05 29 00-0698	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	92.69	10.00
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0699	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	95.58	10.18
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0700	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	101.35	10.47
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0701	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	110.06	10.84
		For Work In Restricted Working Space, Add	*6.48*	
23 05 29 00-0702	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	118.77	11.20
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0703	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	128.08	11.57
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0704	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	136.78	11.94
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0705	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	145.49	12.32
		For Work In Restricted Working Space, Add	*7.41*	

23 05 29 00-0706 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0590)*

23 05 29 00-0707	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	54.47	6.76
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0708	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	55.94	6.94
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0709	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	57.40	7.22
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0710	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	57.99	7.49
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0711	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	60.74	7.78
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0712	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	64.14	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0713	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	66.38	8.88
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0714	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	70.85	9.54
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0715	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	70.98	7.50
		For Work In Restricted Working Space, Add	*4.50*	
23 05 29 00-0716	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	72.48	7.69
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0717	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	74.04	7.87
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0718	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	75.74	8.24
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0719	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	78.54	8.52
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0720	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	84.16	9.17
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-0721	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	88.72	9.72
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0722	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	94.36	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 05 29 00-0723	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	95.80	8.33
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0724	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	98.39	8.61
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0725	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	101.04	8.80
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0726	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	102.79	9.17
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0727	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	106.72	9.45
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0728	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	113.51	10.09
		For Work In Restricted Working Space, Add	*6.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0729	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	120.27	10.74
		For Work In Restricted Working Space, Add	*6.43*	
23 05 29 00-0730	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	125.94	11.39
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0731	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	121.64	9.45
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0732	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	125.42	9.72
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0733	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	128.03	9.91
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0734	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	131.99	10.27
		For Work In Restricted Working Space, Add	*6.15*	
23 05 29 00-0735	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	138.15	10.56
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0736	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	147.14	11.20
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0737	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	156.16	11.85
		For Work In Restricted Working Space, Add	*7.14*	
23 05 29 00-0738	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	166.30	12.59
		For Work In Restricted Working Space, Add	*7.53*	
23 05 29 00-0739	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	146.31	10.93
		For Work In Restricted Working Space, Add	*6.58*	
23 05 29 00-0740	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	151.18	11.20
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0741	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	154.93	11.39
		For Work In Restricted Working Space, Add	*6.85*	
23 05 29 00-0742	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	158.91	11.76
		For Work In Restricted Working Space, Add	*7.06*	
23 05 29 00-0743	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	166.22	12.13
		For Work In Restricted Working Space, Add	*7.26*	
23 05 29 00-0744	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	178.58	12.78
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0745	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	189.85	13.51
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0746	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	202.21	14.17
		For Work In Restricted Working Space, Add	*8.50*	
23 05 29 00-0747	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	186.79	13.05
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0748	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	191.72	13.33
		For Work In Restricted Working Space, Add	*8.00*	
23 05 29 00-0749	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	196.63	13.62
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0750	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	201.82	13.98
		For Work In Restricted Working Space, Add	*8.38*	
23 05 29 00-0751	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	211.35	14.35
		For Work In Restricted Working Space, Add	*8.61*	
23 05 29 00-0752	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	226.11	15.09
		For Work In Restricted Working Space, Add	*9.08*	
23 05 29 00-0753	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	240.89	15.93
		For Work In Restricted Working Space, Add	*9.54*	
23 05 29 00-0754	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	256.67	16.66
		For Work In Restricted Working Space, Add	*10.00*	

23 05 29 00-0755 Attachments *(23 05 29 00-0589)*

23 05 29 00-0756 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0755)*

Note: Type 22.

23 05 29 00-0757	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	32.34	8.62
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0758	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	34.43	9.06
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0759	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	36.61	9.58
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0760	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	45.57	10.18
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0761	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	53.92	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0762	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	74.02	12.34
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0763	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	102.34	12.94
		For Work In Restricted Working Space, Add	*7.76*	

23 05 29 00-0764 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0755)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0765	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	13.42	4.72
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0766	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	15.55	6.02
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0767	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	17.39	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0768	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	21.46	6.94
		For Work In Restricted Working Space, Add	*4.28*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0769	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	29.45	7.41
		For Work In Restricted Working Space, Add	*4.63*	

23 05 29 00-0770 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0755)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0771	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	31.64	6.48
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0772	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	44.62	8.33
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0773	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	61.95	9.26
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0774	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	73.64	10.18
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0775	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	169.65	11.11
		For Work In Restricted Working Space, Add	*6.95*	

23 05 29 00-0776 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0755)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0777	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	10.87	2.31
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0778	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	11.72	2.78
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0779	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	12.53	2.78
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0780	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.99	2.78
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0781	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.55	3.24
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0782	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.56	3.24
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0783	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	20.95	3.24
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0784	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	22.98	3.70
		For Work In Restricted Working Space, Add	*4.27*	
23 05 29 00-0785	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	27.19	4.16
		For Work In Restricted Working Space, Add	*4.63*	

23 05 29 00-0786 Copper Standoff Brackets With Flange *(23 05 29 00-0755)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0787	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	28.33	13.24
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0788	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	28.45	13.24
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0789	EA	Clamp Size 1", Copper Standoff Brackets With Flange	28.56	13.24
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0790	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	30.39	14.08
		For Work In Restricted Working Space, Add	*8.42*	
23 05 29 00-0791	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	30.62	14.08
		For Work In Restricted Working Space, Add	*8.42*	

23 05 29 00-0792 Malleable Iron Eye Sockets (B-Line B-3222) *(23 05 29 00-0755)*

Note: Type 16.

23 05 29 00-0793	EA	3/8" Rod Size, Malleable Iron Eye Socket	6.89	1.39
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0794	EA	1/2" Rod Size, Malleable Iron Eye Socket	8.83	1.85
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0795	EA	5/8" Rod Size, Malleable Iron Eye Socket	14.27	1.85
		For Work In Restricted Working Space, Add	*1.12*	
23 05 29 00-0796	EA	3/4" Rod Size, Malleable Iron Eye Socket	19.57	1.85
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0797	EA	7/8" Rod Size, Malleable Iron Eye Socket	21.35	2.31
		For Work In Restricted Working Space, Add	*1.39*	

23 05 29 00-0798 Steel Weldless Eye Nuts (B-Line B-3200) *(23 05 29 00-0755)*

Note: Type 17.

23 05 29 00-0799	EA	3/8" Rod Size, Steel Weldless Eye Nut	20.26	1.39
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0800	EA	1/2" Rod Size, Steel Weldless Eye Nut	21.15	1.85
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0801	EA	5/8" Rod Size, Steel Weldless Eye Nut	21.19	1.85
		For Work In Restricted Working Space, Add	*1.12*	
23 05 29 00-0802	EA	3/4" Rod Size, Steel Weldless Eye Nut	21.15	1.85
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0803	EA	7/8" Rod Size, Steel Weldless Eye Nut	40.19	2.03
		For Work In Restricted Working Space, Add	*1.25*	
23 05 29 00-0804	EA	1" Rod Size, Steel Weldless Eye Nut	40.65	2.31
		For Work In Restricted Working Space, Add	*1.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0805		**Top Mount I-Beam Clamps (B-Line B-3042)** *(23 05 29 00-0755)*		
		Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0806	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	16.03	4.31
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0807	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	18.99	4.75
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0808	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	22.65	5.18
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0809	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.97	5.60
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0810	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	44.66	6.47
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0811	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	16.72	4.31
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0812	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	19.96	4.75
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0813	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	22.65	5.18
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0814	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	32.53	5.60
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0815	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	49.03	6.47
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0816	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	18.32	4.31
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0817	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	21.76	4.75
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0818	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	26.86	5.18
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0819	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	37.31	5.60
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0820	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	58.38	6.47
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0821		**Side Beam Brackets (B-Line B-3062)** *(23 05 29 00-0755)*		
		Note: Type 34.		
23 05 29 00-0822	EA	3/8" Rod Size, Side Beam Bracket	14.55	6.02
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0823	EA	1/2" Rod Size, Side Beam Bracket	16.78	6.02
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0824	EA	5/8" Rod Size, Side Beam Bracket	20.78	6.48
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0825	EA	3/4" Rod Size, Side Beam Bracket	33.79	6.94
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0826	EA	7/8" Rod Size, Side Beam Bracket	39.13	7.87
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0827		**Hex Lag Bolts** *(23 05 29 00-0755)*		
		Note: Also known as coach screws.		
23 05 29 00-0828	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	2.41	
		For Work In Restricted Working Space, Add	*0.58*	
23 05 29 00-0829	EA	3/8" x 4" Long, Hex Lag Bolt	2.64	
		For Work In Restricted Working Space, Add	*0.60*	
23 05 29 00-0830	EA	3/8" x 6" Long, Hex Lag Bolt	3.01	
		For Work In Restricted Working Space, Add	*0.62*	
23 05 29 00-0831	EA	3/8" x 8" Long, Hex Lag Bolt	3.69	
		For Work In Restricted Working Space, Add	*0.64*	
23 05 29 00-0832	EA	3/8" x 10" Long, Hex Lag Bolt	3.94	
		For Work In Restricted Working Space, Add	*0.67*	
23 05 29 00-0833	EA	3/8" x 12" Long, Hex Lag Bolt	4.23	
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0834	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	3.23	
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0835	EA	1/2" x 4" Long, Hex Lag Bolt	3.68	
		For Work In Restricted Working Space, Add	*0.72*	
23 05 29 00-0836	EA	1/2" x 6" Long, Hex Lag Bolt	4.32	
		For Work In Restricted Working Space, Add	*0.75*	
23 05 29 00-0837	EA	1/2" x 8" Long, Hex Lag Bolt	5.07	
		For Work In Restricted Working Space, Add	*0.79*	
23 05 29 00-0838	EA	1/2" x 10" Long, Hex Lag Bolt	6.04	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0839	EA	1/2" x 12" Long, Hex Lag Bolt	6.49	
		For Work In Restricted Working Space, Add	*0.87*	
23 05 29 00-0840	EA	5/8" x 4" Long, Hex Lag Bolt	4.37	
		For Work In Restricted Working Space, Add	*0.77*	
23 05 29 00-0841	EA	3/4" x 5" Long, Hex Lag Bolt	5.04	
		For Work In Restricted Working Space, Add	*0.79*	
23 05 29 00-0842		**Shields And Saddles** *(23 05 29)*		
23 05 29 00-0843		**Insulation Protection Shield** *(23 05 29 00-0842)*		
		Note: Type 40.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0844		Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0843)*		
		Note: Type 40.		
23 05 29 00-0845	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	14.20	2.22
		For Work In Restricted Working Space, Add	*2.22*	
23 05 29 00-0846	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	14.41	2.25
		For Work In Restricted Working Space, Add	*2.25*	
23 05 29 00-0847	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	14.79	2.27
		For Work In Restricted Working Space, Add	*2.28*	
23 05 29 00-0848	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	15.53	2.30
		For Work In Restricted Working Space, Add	*2.31*	
23 05 29 00-0849	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	17.31	2.36
		For Work In Restricted Working Space, Add	*2.36*	
23 05 29 00-0850	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	21.46	2.42
		For Work In Restricted Working Space, Add	*2.42*	
23 05 29 00-0851	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length	25.19	2.48
		For Work In Restricted Working Space, Add	*2.47*	
23 05 29 00-0852	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length	31.13	2.53
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0853	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	40.47	2.56
		For Work In Restricted Working Space, Add	*2.56*	
23 05 29 00-0854	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	44.22	2.59
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0855	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	61.53	2.61
		For Work In Restricted Working Space, Add	*2.61*	
23 05 29 00-0856	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	69.34	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0857	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	130.19	2.67
		For Work In Restricted Working Space, Add	*2.67*	
23 05 29 00-0858	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	141.64	2.73
		For Work In Restricted Working Space, Add	*2.72*	
23 05 29 00-0859	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	171.54	2.78
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0860		Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0843)*		
		Note: Type 40.		
23 05 29 00-0861	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	12.33	2.22
		For Work In Restricted Working Space, Add	*2.22*	
23 05 29 00-0862	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	12.51	2.25
		For Work In Restricted Working Space, Add	*2.25*	
23 05 29 00-0863	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	12.81	2.27
		For Work In Restricted Working Space, Add	*2.28*	
23 05 29 00-0864	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	13.38	2.30
		For Work In Restricted Working Space, Add	*2.31*	
23 05 29 00-0865	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	14.72	2.36
		For Work In Restricted Working Space, Add	*2.36*	
23 05 29 00-0866	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	17.78	2.42
		For Work In Restricted Working Space, Add	*2.42*	
23 05 29 00-0867	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length	19.19	2.48
		For Work In Restricted Working Space, Add	*2.47*	
23 05 29 00-0868	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length	24.89	2.53
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0869	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length	30.21	2.56
		For Work In Restricted Working Space, Add	*2.56*	
23 05 29 00-0870		Pipe Covering Protection Saddle *(23 05 29 00-0842)*		
		Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0871		Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0870)*		
		Note: Type 39.		
23 05 29 00-0872	EA	3/4" Pipe Saddle, Type 39 (For 1" Insulation)	22.04	3.06
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0873	EA	1" Pipe Saddle, Type 39 (For 1" Insulation)	22.13	3.08
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0874	EA	1-1/4" Pipe Saddle, Type 39 (For 1" Insulation)	22.21	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0875	EA	1-1/2" Pipe Saddle, Type 39 (For 1" Insulation)	23.39	3.16
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0876	EA	2" Pipe Saddle, Type 39 (For 1" Insulation)	23.47	3.18
		For Work In Restricted Working Space, Add	*3.18*	
23 05 29 00-0877	EA	2-1/2" Pipe Saddle, Type 39 (For 1" Insulation)	24.29	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0878	EA	3" Pipe Saddle, Type 39 (For 1" Insulation)	27.26	3.29
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0879	EA	4" Pipe Saddle, Type 39 (For 1" Insulation)	30.89	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0880	EA	6" Pipe Saddle, Type 39 (For 1" Insulation)	34.99	3.44
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0881	EA	8" Pipe Saddle, Type 39 (For 1" Insulation)	43.09	3.58
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0882	EA	10" Pipe Saddle, Type 39 (For 1" Insulation)	48.46	3.63
		For Work In Restricted Working Space, Add	*3.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0883	EA	12" Pipe Saddle, Type 39 (For 1" Insulation)	57.94	3.63
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0884	EA	14" Pipe Saddle, Type 39 (For 1" Insulation)	63.49	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0885		Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0870)*		
		Note: Type 39.		
23 05 29 00-0886	EA	3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	25.20	3.06
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0887	EA	1" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	25.29	3.08
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0888	EA	1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	25.37	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0889	EA	1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	26.33	3.16
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0890	EA	2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	28.61	3.18
		For Work In Restricted Working Space, Add	*3.18*	
23 05 29 00-0891	EA	2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	30.98	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0892	EA	3" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	31.50	3.29
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0893	EA	4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	36.10	3.29
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0894	EA	6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	40.89	3.44
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0895	EA	8" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	48.88	3.58
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0896	EA	10" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	55.30	3.63
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0897	EA	12" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	66.38	3.70
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0898	EA	14" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	72.96	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0899		Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0870)*		
		Note: Type 39.		
23 05 29 00-0900	EA	3/4" Pipe Saddle, Type 39 (For 2" Insulation)	27.02	3.21
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0901	EA	1" Pipe Saddle, Type 39 (For 2" Insulation)	27.10	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0902	EA	1-1/4" Pipe Saddle, Type 39 (For 2" Insulation)	28.67	3.26
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0903	EA	1-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	29.58	3.31
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0904	EA	2" Pipe Saddle, Type 39 (For 2" Insulation)	30.40	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0905	EA	2-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	30.58	3.40
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0906	EA	3" Pipe Saddle, Type 39 (For 2" Insulation)	32.44	3.45
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0907	EA	4" Pipe Saddle, Type 39 (For 2" Insulation)	34.31	3.50
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0908	EA	6" Pipe Saddle, Type 39 (For 2" Insulation)	44.51	3.62
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0909	EA	8" Pipe Saddle, Type 39 (For 2" Insulation)	50.80	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0910	EA	10" Pipe Saddle, Type 39 (For 2" Insulation)	53.46	3.80
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0911	EA	12" Pipe Saddle, Type 39 (For 2" Insulation)	73.30	3.88
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0912	EA	14" Pipe Saddle, Type 39 (For 2" Insulation)	81.51	3.94
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0913	EA	16" Pipe Saddle, Type 39 (For 2" Insulation)	89.91	4.03
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0914	EA	18" Pipe Saddle, Type 39 (For 2" Insulation)	98.28	4.14
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0915	EA	20" Pipe Saddle, Type 39 (For 2" Insulation)	108.07	4.25
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0916	EA	24" Pipe Saddle, Type 39 (For 2" Insulation)	124.24	4.35
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0917		Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0870)*		
		Note: Type 39.		
23 05 29 00-0918	EA	1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	30.50	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0919	EA	1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	32.34	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0920	EA	2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	33.26	3.42
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0921	EA	2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	34.26	3.47
		For Work In Restricted Working Space, Add	*3.47*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0922	EA	3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	34.52	3.53
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0923	EA	4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	40.63	3.59
		For Work In Restricted Working Space, Add	*3.60*	
23 05 29 00-0924	EA	6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	46.93	3.70
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0925	EA	8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	55.12	3.84
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0926	EA	10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	59.28	3.90
		For Work In Restricted Working Space, Add	*3.91*	
23 05 29 00-0927	EA	12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	75.19	3.97
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0928	EA	14" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	89.98	4.03
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0929	EA	16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	104.91	4.14
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0930	EA	18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	111.61	4.24
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0931	EA	20" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	119.07	4.35
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0932	EA	24" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	126.52	4.45
		For Work In Restricted Working Space, Add	*4.45*	

23 05 29 00-0933 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0870)*

Note: Type 39.

23 05 29 00-0934	EA	2" Pipe Saddle, Type 39 (For 3" Insulation)	34.43	3.50
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0935	EA	2-1/2" Pipe Saddle, Type 39 (For 3" Insulation)	37.83	3.57
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0936	EA	3" Pipe Saddle, Type 39 (For 3" Insulation)	39.57	3.62
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0937	EA	4" Pipe Saddle, Type 39 (For 3" Insulation)	41.30	3.68
		For Work In Restricted Working Space, Add	*3.67*	
23 05 29 00-0938	EA	6" Pipe Saddle, Type 39 (For 3" Insulation)	47.93	3.79
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0939	EA	8" Pipe Saddle, Type 39 (For 3" Insulation)	61.00	3.92
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0940	EA	10" Pipe Saddle, Type 39 (For 3" Insulation)	66.41	3.98
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0941	EA	12" Pipe Saddle, Type 39 (For 3" Insulation)	87.68	4.07
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0942	EA	14" Pipe Saddle, Type 39 (For 3" Insulation)	105.49	4.14
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0943	EA	16" Pipe Saddle, Type 39 (For 3" Insulation)	123.30	4.23
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0944	EA	18" Pipe Saddle, Type 39 (For 3" Insulation)	125.61	4.34
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0945	EA	20" Pipe Saddle, Type 39 (For 3" Insulation)	127.84	4.44
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0946	EA	24" Pipe Saddle, Type 39 (For 3" Insulation)	163.52	4.55
		For Work In Restricted Working Space, Add	*4.55*	

23 05 29 00-0947 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0870)*

Note: Type 39.

23 05 29 00-0948	EA	2" Pipe Saddle, Type 39 (For 4" Insulation)	39.25	3.58
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0949	EA	2-1/2" Pipe Saddle, Type 39 (For 4" Insulation)	43.27	3.64
		For Work In Restricted Working Space, Add	*3.65*	
23 05 29 00-0950	EA	3" Pipe Saddle, Type 39 (For 4" Insulation)	45.34	3.70
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0951	EA	4" Pipe Saddle, Type 39 (For 4" Insulation)	47.48	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0952	EA	6" Pipe Saddle, Type 39 (For 4" Insulation)	58.76	3.87
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0953	EA	8" Pipe Saddle, Type 39 (For 4" Insulation)	70.02	4.02
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0954	EA	10" Pipe Saddle, Type 39 (For 4" Insulation)	72.45	4.07
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0955	EA	12" Pipe Saddle, Type 39 (For 4" Insulation)	93.85	4.17
		For Work In Restricted Working Space, Add	*4.16*	
23 05 29 00-0956	EA	14" Pipe Saddle, Type 39 (For 4" Insulation)	114.93	4.22
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0957	EA	16" Pipe Saddle, Type 39 (For 4" Insulation)	136.15	4.33
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0958	EA	18" Pipe Saddle, Type 39 (For 4" Insulation)	167.54	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0959	EA	20" Pipe Saddle, Type 39 (For 4" Insulation)	198.73	4.54
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0960	EA	24" Pipe Saddle, Type 39 (For 4" Insulation)	212.84	4.66
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0961	EA	30" Pipe Saddle, Type 39 (For 4" Insulation)	224.13	4.78
		For Work In Restricted Working Space, Add	*4.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0962	EA	36" Pipe Saddle, Type 39 (For 4" Insulation)	232.48	4.90
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0963		**Adjustable Pipe Saddle Support (Cooper B-Line B3096)** *(23 05 29 00-0842)*		
		Note: Type 38.		
23 05 29 00-0964	EA	2" Adjustable Pipe Saddle Support, Type 38	89.81	11.57
23 05 29 00-0965	EA	3" Adjustable Pipe Saddle Support, Type 38	94.68	13.42
23 05 29 00-0966	EA	4" Adjustable Pipe Saddle Support, Type 38	115.39	15.28
23 05 29 00-0967	EA	5" Adjustable Pipe Saddle Support, Type 38	120.02	16.66
23 05 29 00-0968	EA	6" Adjustable Pipe Saddle Support, Type 38	133.16	18.52
23 05 29 00-0969	EA	8" Adjustable Pipe Saddle Support, Type 38	150.30	23.15
23 05 29 00-0970	EA	10" Adjustable Pipe Saddle Support, Type 38	196.24	31.02
23 05 29 00-0971	EA	12" Adjustable Pipe Saddle Support, Type 38	238.25	46.30
23 05 29 00-0972		**Pipe Stanchion Support (Cooper B-Line B3090)** *(23 05 29 00-0842)*		
		Note: Type 37.		
23 05 29 00-0973	EA	2-1/2" Pipe Stanchion Support With U-Bolt, Type 37	112.58	11.57
23 05 29 00-0974	EA	3" Pipe Stanchion Support With U-Bolt, Type 37	115.89	13.42
23 05 29 00-0975	EA	3-1/2" Pipe Stanchion Support With U-Bolt, Type 37	124.09	14.35
23 05 29 00-0976	EA	4" Pipe Stanchion Support With U-Bolt, Type 37	126.24	15.28
23 05 29 00-0977	EA	5" Pipe Stanchion Support With U-Bolt, Type 37	132.51	16.66
23 05 29 00-0978	EA	6" Pipe Stanchion Support With U-Bolt, Type 37	140.03	18.52
23 05 29 00-0979	EA	8" Pipe Stanchion Support With U-Bolt, Type 37	178.02	23.15
23 05 29 00-0980	EA	10" Pipe Stanchion Support With U-Bolt, Type 37	240.35	31.02
23 05 29 00-0981	EA	12" Pipe Stanchion Support With U-Bolt, Type 37	311.26	46.30
23 05 29 00-0982		**Pipe Saddle Support (Cooper B-Line B3095)** *(23 05 29 00-0842)*		
		Note: Type 36.		
23 05 29 00-0983	EA	2-1/2" Pipe Saddle Support, Type 36	54.85	11.57
23 05 29 00-0984	EA	3" Pipe Saddle Support, Type 36	58.16	13.42
23 05 29 00-0985	EA	3-1/2" Pipe Saddle Support, Type 36	90.61	14.35
23 05 29 00-0986	EA	4" Pipe Saddle Support, Type 36	92.76	15.28
23 05 29 00-0987	EA	5" Pipe Saddle Support, Type 36	102.15	16.66
23 05 29 00-0988	EA	6" Pipe Saddle Support, Type 36	113.21	18.52
23 05 29 00-0989	EA	8" Pipe Saddle Support, Type 36	128.86	23.15
23 05 29 00-0990	EA	10" Pipe Saddle Support, Type 36	148.31	31.02
23 05 29 00-0991	EA	12" Pipe Saddle Support, Type 36	183.52	46.30
23 05 29 00-0992		**360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0842)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0993		**1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0992)*		
23 05 29 00-0994	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.86	6.07
23 05 29 00-0995	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.98	6.07
23 05 29 00-0996	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.01	6.07
23 05 29 00-0997	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.14	6.07
23 05 29 00-0998	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.05	6.44
23 05 29 00-0999	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.61	6.63
23 05 29 00-1000	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.26	6.91
23 05 29 00-1001	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.94	7.18
23 05 29 00-1002	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.99	7.46
23 05 29 00-1003	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.47	6.44
23 05 29 00-1004	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.88	8.40
23 05 29 00-1005	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.17	9.89
23 05 29 00-1006	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.33	11.48
23 05 29 00-1007	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.32	11.85
23 05 29 00-1008		**1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0992)*		
23 05 29 00-1009	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.46	4.58
23 05 29 00-1010	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.07	4.58
23 05 29 00-1011	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.28	4.67
23 05 29 00-1012	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.57	4.76
23 05 29 00-1013	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.85	4.76
23 05 29 00-1014	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.35	4.95
23 05 29 00-1015	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.97	5.13
23 05 29 00-1016	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.32	5.23
23 05 29 00-1017	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.54	5.69
23 05 29 00-1018	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.06	9.80
23 05 29 00-1019	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.28	7.37
23 05 29 00-1020	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.13	8.68
23 05 29 00-1021	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.43	9.99
23 05 29 00-1022	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.40	12.04

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1023		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0992)*		
23 05 29 00-1024	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.38	5.23
23 05 29 00-1025	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.48	5.23
23 05 29 00-1026	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.82	5.32
23 05 29 00-1027	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.14	5.41
23 05 29 00-1028	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.46	5.50
23 05 29 00-1029	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.01	5.69
23 05 29 00-1030	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.70	5.88
23 05 29 00-1031	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.37	6.07
23 05 29 00-1032	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.73	6.44
23 05 29 00-1033	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.24	7.28
23 05 29 00-1034	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.62	12.41
23 05 29 00-1035	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.45	14.37
23 05 29 00-1036	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.47	16.99
23 05 29 00-1037	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.64	19.04
23 05 29 00-1038	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.40	21.47
23 05 29 00-1039	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.81	25.20
23 05 29 00-1040	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.65	27.99
23 05 29 00-1041	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.66	31.74
23 05 29 00-1042		2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0992)*		
23 05 29 00-1043	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.38	6.07
23 05 29 00-1044	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.49	6.07
23 05 29 00-1045	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.92	6.16
23 05 29 00-1046	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.21	6.26
23 05 29 00-1047	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.52	6.26
23 05 29 00-1048	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.21	6.53
23 05 29 00-1049	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.99	6.72
23 05 29 00-1050	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.76	7.00
23 05 29 00-1051	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.31	7.37
23 05 29 00-1052	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.19	8.40
23 05 29 00-1053	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.70	9.33
23 05 29 00-1054	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.81	10.73
23 05 29 00-1055	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.83	13.35
23 05 29 00-1056	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.40	14.66
23 05 29 00-1057	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.06	18.67
23 05 29 00-1058	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.55	19.60
23 05 29 00-1059	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.52	22.40
23 05 29 00-1060	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.94	27.07
23 05 29 00-1061		3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0992)*		
23 05 29 00-1062	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.87	6.26
23 05 29 00-1063	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.58	6.53
23 05 29 00-1064	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.89	6.53
23 05 29 00-1065	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.76	6.72
23 05 29 00-1066	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.78	6.91
23 05 29 00-1067	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.93	7.00
23 05 29 00-1068	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.02	7.18
23 05 29 00-1069	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.87	7.65
23 05 29 00-1070	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.29	7.94
23 05 29 00-1071	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.36	9.71
23 05 29 00-1072	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.92	10.64
23 05 29 00-1073	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	85.36	11.20
23 05 29 00-1074	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.47	14.46
23 05 29 00-1075	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.62	15.40
23 05 29 00-1076	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	133.42	20.53
23 05 29 00-1077	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	143.58	22.40
23 05 29 00-1078	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	162.51	24.26
23 05 29 00-1079	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	191.00	29.87
23 05 29 00-1080		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0992)*		
23 05 29 00-1081	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.38	6.07
23 05 29 00-1082	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.61	7.37
23 05 29 00-1083	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.13	7.37
23 05 29 00-1084	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.47	7.46
23 05 29 00-1085	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.90	7.56
23 05 29 00-1086	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.61	7.84
23 05 29 00-1087	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.58	8.12
23 05 29 00-1088	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.46	8.40
23 05 29 00-1089	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.38	8.86
23 05 29 00-1090	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.82	10.08
23 05 29 00-1091	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.41	11.20

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1092	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.56	12.88
23 05 29 00-1093	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.79	16.05
23 05 29 00-1094	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.28	17.54
23 05 29 00-1095	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.88	22.40
23 05 29 00-1096	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.07	23.52
23 05 29 00-1097	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.66	26.88
23 05 29 00-1098	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.54	32.48

23 05 29 00-1099 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0992)*

23 05 29 00-1100	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.72	8.21
23 05 29 00-1101	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.87	8.21
23 05 29 00-1102	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.48	8.31
23 05 29 00-1103	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.95	8.40
23 05 29 00-1104	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.23	8.40
23 05 29 00-1105	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.53	8.96
23 05 29 00-1106	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.26	9.05
23 05 29 00-1107	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.32	9.43
23 05 29 00-1108	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.42	9.99
23 05 29 00-1109	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.28	11.30
23 05 29 00-1110	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.01	12.22
23 05 29 00-1111	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.65	14.56
23 05 29 00-1112	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.77	18.11
23 05 29 00-1113	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.96	19.70
23 05 29 00-1114	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.05	25.20
23 05 29 00-1115	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.66	26.42
23 05 29 00-1116	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.84	30.24
23 05 29 00-1117	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.25	36.59
23 05 29 00-1118	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	121.49	43.02
23 05 29 00-1119	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	140.15	50.77
23 05 29 00-1120	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	161.21	60.01
23 05 29 00-1121	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	237.87	92.67
23 05 29 00-1122	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	258.46	102.01
23 05 29 00-1123	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	276.91	110.13

23 05 29 00-1124 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0108 for Concrete Equipment Pads.

23 05 29 00-1125 Molded Plastic Condenser Pad *(23 05 29 00-1124)*

23 05 29 00-1126	EA	30" Round Molded Plastic Pad	55.22	11.57
23 05 29 00-1127	EA	30" Octagon Molded Plastic Pad	57.33	11.57
23 05 29 00-1128	EA	30" x 30" Molded Plastic Pad	55.22	11.57
23 05 29 00-1129	EA	36" x 36" Molded Plastic Pad	67.87	11.57
23 05 29 00-1130	EA	36" x 48" Molded Plastic Pad	91.52	11.57

23 05 29 00-1131 Inertia Base *(23 05 29 00-1124)*

Note: Includes spring isolators.

23 05 29 00-1132	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,077.01
23 05 29 00-1133	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	1,299.31
23 05 29 00-1134	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,488.12
23 05 29 00-1135	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,699.26

23 05 29 00-1136 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1137	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	39.39	14.39
		For Work In Restricted Working Space, Add	*9.26*	
23 05 29 00-1138	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	41.10	15.25
		For Work In Restricted Working Space, Add	*9.77*	
23 05 29 00-1139	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	42.47	16.13
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-1140	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	43.27	16.16
		For Work In Restricted Working Space, Add	*10.31*	
23 05 29 00-1141	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	43.53	16.16
		For Work In Restricted Working Space, Add	*10.31*	
23 05 29 00-1142	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	44.54	16.28
		For Work In Restricted Working Space, Add	*10.46*	
23 05 29 00-1143	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	50.37	16.87
		For Work In Restricted Working Space, Add	*10.31*	
23 05 29 00-1144	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	52.21	17.36
		For Work In Restricted Working Space, Add	*10.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1145	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	62.89	19.59
		For Work In Restricted Working Space, Add	*11.57*	
23 05 29 00-1146	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	92.83	25.33
		For Work In Restricted Working Space, Add	*15.19*	
23 05 29 00-1147	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	109.52	29.38
		For Work In Restricted Working Space, Add	*17.62*	
23 05 29 00-1148	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	151.60	37.32
		For Work In Restricted Working Space, Add	*22.11*	
23 05 29 00-1149	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	168.38	40.15
		For Work In Restricted Working Space, Add	*24.14*	

23 05 29 00-1150 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1151 Angle Iron For Hanger Devices *(23 05 29 00-1150)*

23 05 29 00-1152	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.12	1.35
23 05 29 00-1153	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	2.76	1.68
23 05 29 00-1154	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	3.38	2.01
23 05 29 00-1155	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	4.62	2.51
23 05 29 00-1156	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	5.13	2.69
23 05 29 00-1157	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	6.78	3.02
23 05 29 00-1158	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	8.43	3.67
23 05 29 00-1159	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	10.84	4.31
23 05 29 00-1160	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	12.94	5.03

23 05 29 00-1161 Channels For Hanger Devices *(23 05 29 00-1150)*

23 05 29 00-1162	LF	C2 X 1.78 - 2" Wide (Channels) For Hanger Devices	5.90	3.28
23 05 29 00-1163	LF	C3 X 4.1 - 3" Wide (Channels) For Hanger Devices	9.86	4.72
23 05 29 00-1164	LF	C4 X 5.4 - 4" Wide (Channels) For Hanger Devices	12.23	5.68
23 05 29 00-1165	LF	C5 X 6.7 - 5" Wide (Channels) For Hanger Devices	14.63	6.62
23 05 29 00-1166	LF	C6 X 8.2 - 6" Wide (Channels) For Hanger Devices	17.70	7.94
23 05 29 00-1167	LF	C7 X 9.8 - 7" Wide (Channels) For Hanger Devices	21.09	9.46
23 05 29 00-1168	LF	C8 X 11.5 - 8" Wide (Channels) For Hanger Devices	23.82	10.41

23 05 29 00-1169 Structural Bar Tees For Hanger Devices *(23 05 29 00-1150)*

23 05 29 00-1170	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	6.86	4.62
23 05 29 00-1171	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	8.25	5.47
23 05 29 00-1172	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	11.39	6.31
23 05 29 00-1173	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	14.67	8.41
23 05 29 00-1174	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	19.77	10.09
23 05 29 00-1175	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	24.84	13.03

23 05 29 00-1176 Structural Zees For Hanger Devices *(23 05 29 00-1150)*

23 05 29 00-1177	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	11.41	6.31
23 05 29 00-1178	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	13.35	6.31
23 05 29 00-1179	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	19.31	6.31
23 05 29 00-1180	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	24.11	6.31
23 05 29 00-1181	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	29.00	6.31

23 05 29 00-1182 Junior I-beams For Hanger Devices *(23 05 29 00-1150)*

23 05 29 00-1183	LF	3" I-beam (Junior) For Hanger Devices	14.52	9.25
23 05 29 00-1184	LF	4" I-beam (Junior) For Hanger Devices	16.58	10.09
23 05 29 00-1185	LF	5" I-beam (Junior) For Hanger Devices	18.95	10.93
23 05 29 00-1186	LF	6" I-beam (Junior) For Hanger Devices	20.70	12.19
23 05 29 00-1187	LF	7" I-beam (Junior) For Hanger Devices	24.23	13.03
23 05 29 00-1188	LF	8" I-beam (Junior) For Hanger Devices	26.18	13.87

23 05 33 Heat Tracing For HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	117.07	25.92
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	127.58	25.92
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	162.44	25.92

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0005		**Housed Stable Steel Spring Isolators** *(23 05 48 13)* Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	376.16	25.92
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	426.12	25.92
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	451.10	25.92
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	551.02	25.92
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	576.00	25.92
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	419.88	25.92
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	463.59	25.92
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	494.82	25.92
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	638.45	25.92
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	694.66	25.92
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	825.80	25.92
23 05 48 13-0017		**Vibration Isolators** *(23 05 48 13)*		
23 05 48 13-0018		**Spring And Rubber Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	187.65	16.66
23 05 48 13-0020	EA	600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	426.06	18.52
23 05 48 13-0021		**Rubber-In-Shear Isolator Hanger** *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	95.46	13.89
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	126.34	16.66
23 05 48 13-0024		**Spring Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	106.60	16.66
23 05 48 13-0026		**Rubber-In-Shear Vibration Isolator** *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	195.35	31.49
23 05 48 13-0028	EA	130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	288.37	31.49
23 05 48 13-0029	EA	550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	607.62	31.49
23 05 48 13-0030		**Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)* Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	156.14	31.49
23 05 48 13-0032	EA	>1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	163.07	31.49
23 05 48 13-0033		**Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)* Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	138.42	15.74
23 05 48 13-0035	EA	500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	138.42	15.74
23 05 48 13-0036	EA	1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	161.53	15.74
23 05 48 13-0037	EA	1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	161.53	15.74
23 05 48 13-0038	EA	2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	266.05	15.74
23 05 48 13-0039		**Isolation Pads** *(23 05 48 13-0017)*		
23 05 48 13-0040		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	5.83	2.31
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.71	2.41
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.87	2.50
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	42.14	2.87
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	81.65	3.24
23 05 48 13-0046		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	52.27	2.31
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	57.51	2.31
23 05 48 13-0049		**Neoprene Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	5.37	2.31
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	6.22	2.31
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	7.59	2.31
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	41.44	2.78
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	76.65	3.24
23 05 48 13-0055		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)* Note: Includes hex threaded nipple ends.		
23 05 48 13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	89.57	14.81

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	99.96	20.37
23 05 48 13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	123.36	25.01
23 05 48 13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	142.44	29.64
23 05 48 13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	162.13	38.89
23 05 48 13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	181.63	41.39
23 05 48 13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	247.76	49.08
23 05 48 13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	352.40	76.49
23 05 48 13-0064		Weld End Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	216.64	53.15
23 05 48 13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	253.66	58.34
23 05 48 13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	286.73	61.77
23 05 48 13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	320.38	70.37
23 05 48 13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	364.05	75.94
23 05 48 13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	456.48	98.80
23 05 48 13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	691.88	111.12
23 05 48 13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	856.60	125.01
23 05 48 13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,182.97	185.20
23 05 48 13-0074		Flanged Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0075		Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0074)* Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	269.84	69.45
23 05 48 13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	289.53	77.13
23 05 48 13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	434.58	154.09
23 05 48 13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	579.45	229.19
23 05 48 13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	761.31	295.86
23 05 48 13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,046.82	301.49
23 05 48 13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,301.57	344.34
23 05 48 13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,733.87	409.78
23 05 48 13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,615.37	512.52
23 05 48 13-0085		Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0074)* Note: With braided metal wire.		
23 05 48 13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	198.60	63.16
23 05 48 13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	160.52	86.85
23 05 48 13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	373.22	115.75
23 05 48 13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	454.69	173.63
23 05 48 13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	483.48	191.03
23 05 48 13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	550.32	231.31
23 05 48 13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	704.30	296.14
23 05 48 13-0093	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,000.43	361.06
23 05 48 13-0094	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,796.47	482.37
23 05 48 13-0095	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,127.63	557.79
23 05 48 13-0096	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,889.49	602.97
23 05 48 13-0097		Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0074)* Note: 150 PSI.		
23 05 48 13-0098	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,400.09	134.27
23 05 48 13-0099	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,562.53	157.42
23 05 48 13-0100	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,337.45	264.57
23 05 48 13-0101	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,823.91	301.49
23 05 48 13-0102	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,780.91	369.82
23 05 48 13-0103		Flexible Hose Connectors Braided Metal Hose Type, Bronze *(23 05 48 13)*		
23 05 48 13-0104		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0103)* Note: MPT connection.		
23 05 48 13-0105	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	57.90	1.85
23 05 48 13-0106	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.96	1.85
23 05 48 13-0107	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	77.00	2.40
23 05 48 13-0108	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	94.78	2.40
23 05 48 13-0109	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	78.01	2.22
23 05 48 13-0110	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	95.23	2.22
23 05 48 13-0111	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	108.09	2.87
23 05 48 13-0112	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	134.90	2.87

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0113	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.27	2.60
23 05 48 13-0114	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	117.84	2.60
23 05 48 13-0115	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	139.22	3.42
23 05 48 13-0116	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	178.43	3.42
23 05 48 13-0117	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	217.35	3.42
23 05 48 13-0118	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	256.39	3.42
23 05 48 13-0119	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	153.61	3.32
23 05 48 13-0120	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	170.07	3.32
23 05 48 13-0121	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	220.23	3.32
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	306.65	4.43
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	357.20	4.43
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	424.46	4.43
23 05 48 13-0125	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	211.44	4.01
23 05 48 13-0126	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	245.84	4.01
23 05 48 13-0127	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	312.46	4.01
23 05 48 13-0128	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	416.77	5.36
23 05 48 13-0129	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	518.30	5.36
23 05 48 13-0130	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	619.75	5.36
23 05 48 13-0131	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	295.34	5.03
23 05 48 13-0132	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	337.71	4.77
23 05 48 13-0133	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	380.50	4.77
23 05 48 13-0134	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	468.20	6.39
23 05 48 13-0135	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	554.25	6.39
23 05 48 13-0136	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	637.63	6.39
23 05 48 13-0137	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	468.24	6.39
23 05 48 13-0138	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	525.40	6.39
23 05 48 13-0139	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	400.97	6.39
23 05 48 13-0140	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	483.62	8.52
23 05 48 13-0141	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	816.61	8.52
23 05 48 13-0142	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	929.09	8.52
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	865.46	7.23
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	932.25	7.23
23 05 48 13-0145	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	999.05	7.23
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,139.06	9.64
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,272.13	9.64
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,408.06	9.64

23 05 48 13-0149 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0103)*

Note: Over braided carbon steel connection.

23 05 48 13-0150	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	253.45	4.05
23 05 48 13-0151	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	308.09	4.05
23 05 48 13-0152	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	361.71	4.05
23 05 48 13-0153	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	473.26	5.43
23 05 48 13-0154	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	581.95	5.43
23 05 48 13-0155	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	690.52	5.43
23 05 48 13-0156	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	286.99	4.77
23 05 48 13-0157	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	344.10	4.77
23 05 48 13-0158	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	401.48	4.77
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	519.73	6.39
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	634.01	6.39
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	746.70	6.39
23 05 48 13-0162	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	301.70	6.39
23 05 48 13-0163	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	367.13	6.56
23 05 48 13-0164	FT	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	433.50	6.39
23 05 48 13-0165	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	573.99	8.52
23 05 48 13-0166	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	706.00	8.52
23 05 48 13-0167	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	841.76	8.52
23 05 48 13-0168	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	609.05	12.42
23 05 48 13-0169	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	911.64	12.51
23 05 48 13-0170	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,223.20	16.47

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0171	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,525.92	16.47
23 05 48 13-0172	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,828.56	16.47
23 05 48 13-0173	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,069.61	14.69
23 05 48 13-0174	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,298.55	14.69
23 05 48 13-0175	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,762.38	19.09
23 05 48 13-0176	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,216.54	19.09
23 05 48 13-0177	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,670.58	19.09
23 05 48 13-0178	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,139.79	18.36
23 05 48 13-0179	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,712.15	18.36
23 05 48 13-0180	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,294.93	23.90
23 05 48 13-0181	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,869.29	23.90
23 05 48 13-0182	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,441.23	23.90
23 05 48 13-0183	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,293.82	22.20
23 05 48 13-0184	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,008.12	22.20
23 05 48 13-0185	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,758.62	29.87
23 05 48 13-0186	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,479.19	29.87
23 05 48 13-0187	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	5,203.13	29.87

23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0103)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0189	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	179.63	4.01
23 05 48 13-0190	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	386.45	113.58
23 05 48 13-0191	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	460.34	113.58
23 05 48 13-0192	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	534.23	113.58
23 05 48 13-0193	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	608.15	113.58
23 05 48 13-0194	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	374.75	144.85
23 05 48 13-0195	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	452.61	144.85
23 05 48 13-0196	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	530.51	144.85
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	608.43	144.85
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	684.99	144.85
23 05 48 13-0199	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	542.63	242.84
23 05 48 13-0200	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	633.52	243.44
23 05 48 13-0201	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	725.88	242.84
23 05 48 13-0202	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	829.15	242.84
23 05 48 13-0203	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	908.06	242.84
23 05 48 13-0204	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	808.27	310.50
23 05 48 13-0205	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,014.20	310.50
23 05 48 13-0206	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,220.24	311.61
23 05 48 13-0207	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,426.20	310.50
23 05 48 13-0208	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,632.13	310.50
23 05 48 13-0209	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,261.59	375.32
23 05 48 13-0210	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,417.38	375.32
23 05 48 13-0211	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,726.26	375.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0212	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,035.25	375.32
23 05 48 13-0213	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,344.10	375.32
23 05 48 13-0214	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,988.66	456.92
23 05 48 13-0215	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,376.80	456.92
23 05 48 13-0216	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,767.54	456.92
23 05 48 13-0217	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,157.45	456.92
23 05 48 13-0218	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,472.56	456.92
23 05 48 13-0219	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,666.87	554.83
23 05 48 13-0220	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,159.41	554.83
23 05 48 13-0221	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,651.91	554.83
23 05 48 13-0222	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,144.42	554.83
23 05 48 13-0223	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,636.95	554.83

23 05 53 Identification For HVAC Piping And Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	10.29
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	10.52
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	10.64
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	10.83
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	11.85
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	12.27
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	16.52
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	16.85
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	17.20
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	17.40
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	17.60
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	17.80
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	18.47
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	18.69
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	21.64
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	22.82
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	26.65
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	30.44

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.28
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.74
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.66
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.86
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.59
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.87
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.37
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.74
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.01
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.30
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.88
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.50
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.05
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.59
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.72
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.29
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.62

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	8.90
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	8.49
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	8.36

23 05 93 Testing, Adjusting, And Balancing For HVAC *(23 05)*

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

existing systems.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	399.72	
		For Testing Of Unit Without Balancing, Deduct	*-199.86*	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	499.45	
		For Testing Of Unit Without Balancing, Deduct	*-249.73*	
23 05 93 00-0004	EA	Balancing In Line Fan	449.69	
		For Testing Of Unit Without Balancing, Deduct	*-224.85*	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	99.93	
		For Testing Of Unit Without Balancing, Deduct	*-49.97*	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	299.77	
		For Testing Of Unit Without Balancing, Deduct	*-149.89*	
23 05 93 00-0007	EA	Balancing Wall Fan	74.93	
		For Testing Of Unit Without Balancing, Deduct	*-37.47*	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	399.08	
		For Testing Of Unit Without Balancing, Deduct	*-199.54*	

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	681.97	
		For Testing Of Unit Without Balancing, Deduct	*-340.99*	
23 05 93 00-0011	EA	Balancing Package A/C Unit	255.74	
		For Testing Of Unit Without Balancing, Deduct	*-127.87*	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	340.98	
		For Testing Of Unit Without Balancing, Deduct	*-170.49*	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,193.44	
		For Testing Of Unit Without Balancing, Deduct	*-596.72*	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	74.95	
		For Testing Of Unit Without Balancing, Deduct	*-37.48*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	124.92	
		For Testing Of Unit Without Balancing, Deduct	*-62.46*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	64.96	
		For Testing Of Unit Without Balancing, Deduct	*-32.48*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	70.38	
		For Testing Of Unit Without Balancing, Deduct	*-35.19*	
23 05 93 00-0019	EA	Balance Constant Volume Box	70.38	
		For Testing Of Unit Without Balancing, Deduct	*-35.19*	
23 05 93 00-0020	EA	Balance Fan Powered Box	79.95	
		For Testing Of Unit Without Balancing, Deduct	*-39.98*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	324.78	
		For Testing Of Unit Without Balancing, Deduct	*-162.39*	
23 05 93 00-0022	EA	Balance General Hood	249.82	
		For Testing Of Unit Without Balancing, Deduct	*-124.91*	
23 05 93 00-0023	EA	Balance Induction Unit	149.90	
		For Testing Of Unit Without Balancing, Deduct	*-74.95*	
23 05 93 00-0024	EA	Balance Moduline - Master	59.94	
		For Testing Of Unit Without Balancing, Deduct	*-29.97*	
23 05 93 00-0025	EA	Balance Moduline - Slave	29.97	
		For Testing Of Unit Without Balancing, Deduct	*-14.99*	
23 05 93 00-0026	EA	Balance Dampers	27.83	
		For Testing Of Unit Without Balancing, Deduct	*-13.92*	
23 05 93 00-0027	EA	Balance Regenerators	399.08	
		For Testing Of Unit Without Balancing, Deduct	*-199.54*	

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	468.90	
		For Testing Of Unit Without Balancing, Deduct	*-234.45*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	59.68	
		For Testing Of Unit Without Balancing, Deduct	*-29.84*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	511.43	
		For Testing Of Unit Without Balancing, Deduct	*-255.72*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	681.97	
		For Testing Of Unit Without Balancing, Deduct	*-340.99*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	340.98	
		For Testing Of Unit Without Balancing, Deduct	*-170.49*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	85.30	
		For Testing Of Unit Without Balancing, Deduct	*-42.65*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	85.25	
		For Testing Of Unit Without Balancing, Deduct	*-42.63*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	93.77	
		For Testing Of Unit Without Balancing, Deduct	*-46.89*	
23 05 93 00-0037	EA	Water Balance, Pumps	255.75	
		For Testing Of Unit Without Balancing, Deduct	*-127.88*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	59.67	
		For Testing Of Unit Without Balancing, Deduct	*-29.84*	
23 05 93 00-0039	EA	Water Balancing, Converter	255.84	
		For Testing Of Unit Without Balancing, Deduct	*-127.92*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	42.61	
		For Testing Of Unit Without Balancing, Deduct	*-21.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0041	EA	Water Balance, Convector	51.15	
		For Testing Of Unit Without Balancing, Deduct	*-25.58*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	63.94	
		For Testing Of Unit Without Balancing, Deduct	*-31.97*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	554.09	
		For Testing Of Unit Without Balancing, Deduct	*-277.05*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,022.95	
		For Testing Of Unit Without Balancing, Deduct	*-511.48*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	1,875.42	
		For Testing Of Unit Without Balancing, Deduct	*-937.71*	
23 05 93 00-0046		Non Destructive Testing *(23 05 93)*		
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*		
23 05 93 00-0048		X-Ray Welds Minimum Set-Up Charge *(23 05 93 00-0047)*		
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	746.69	
23 05 93 00-0050		Piping, X-Ray Welds, Non Destructive Testing *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	69.61	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	79.26	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	88.92	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	93.95	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	98.98	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	104.41	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	114.47	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	124.52	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	129.94	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	135.38	
23 05 93 00-0061		Liquid Penetration Of Welds, Non Destructive Testing *(23 05 93 00-0046)*		
23 05 93 00-0062		Piping, Liquid Penetration Of Welds, Non Destructive Testing *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	79.41	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	84.04	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	88.67	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	90.98	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	94.45	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	97.93	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	104.87	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	111.82	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	118.77	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	125.71	
23 05 93 00-0073		Hydrostatic Testing *(23 05 93 00-0046)* Note: Includes flushing and restoring of system.		
23 05 93 00-0074		Piping, Hydrostatic Testing *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	609.21	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	870.30	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,042.79	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,389.00	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,104.54	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	810.00	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,157.50	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,377.97	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	1,805.67	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,731.68	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,055.64	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,504.75	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,555.66	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,038.04	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	3,083.18	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,370.48	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	1,953.84	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,022.76	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	2,653.06	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	4,019.80	
23 05 93 00-0095		Pneumatic Testing *(23 05 93 00-0046)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	692.78	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	988.53	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,067.40	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,367.14	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,138.42	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	903.97	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,283.63	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,387.51	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,777.65	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,779.55	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,088.24	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,535.78	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,703.09	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,176.11	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,407.60	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,416.99	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,996.65	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,214.69	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,829.49	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,437.01	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	611.86	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	67.04	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	937.71	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	712.46	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.63	1.87
		For Plain Blanket, With No Facing, Deduct	*-0.06*	
		For Work In Restricted Working Space, Add	*0.74*	
23 07 13 00-0004	SF	1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.09	1.87
		For Plain Blanket, With No Facing, Deduct	*-0.07*	
		For Work In Restricted Working Space, Add	*0.88*	
23 07 13 00-0005	SF	2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.52	2.80
		For Plain Blanket, With No Facing, Deduct	*-0.08*	
		For Work In Restricted Working Space, Add	*1.00*	
23 07 13 00-0006	SF	3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.12	3.27
		For Plain Blanket, With No Facing, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*1.17*	
23 07 13 00-0007	SF	4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.57	3.55
		For Plain Blanket, With No Facing, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*1.26*	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.28	2.80
		For Plain Blanket, With No Facing, Deduct	*-0.07*	
		For Work In Restricted Working Space, Add	*0.93*	
23 07 13 00-0010	SF	1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.80	3.27
		For Plain Blanket, With No Facing, Deduct	*-0.08*	
		For Work In Restricted Working Space, Add	*1.08*	
23 07 13 00-0011	SF	2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	4.49	3.73
		For Plain Blanket, With No Facing, Deduct	*-0.10*	
		For Work In Restricted Working Space, Add	*1.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0012		Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*		
23 07 13 00-0013	SF	1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.04	3.73
		For Plain Blanket, With No Facing, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*1.13*	
23 07 13 00-0014	SF	1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.79	4.20
		For Plain Blanket, With No Facing, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*1.28*	
23 07 13 00-0015	SF	2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.58	4.67
		For Plain Blanket, With No Facing, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.49*	
23 07 13 00-0016		3 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF	1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	8.41	4.90
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*19.98*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*14.63*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*12.10*	
		For Work In Restricted Working Space, Add	*2.49*	
23 07 13 00-0018	SF	1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	10.25	5.97
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*24.31*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*17.81*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*14.74*	
		For Work In Restricted Working Space, Add	*3.02*	
23 07 13 00-0019	SF	2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	12.40	7.19
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*29.37*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*21.53*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*17.81*	
		For Work In Restricted Working Space, Add	*3.65*	
23 07 13 00-0020		4.253 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	9.50	5.39
		For Work In Restricted Working Space, Add	*2.73*	
23 07 13 00-0022	SF	1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	11.97	6.56
		For Work In Restricted Working Space, Add	*3.33*	
23 07 13 00-0023	SF	2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	14.93	7.92
		For Work In Restricted Working Space, Add	*4.02*	
23 07 13 00-0024		Sheet Flexible Elastomeric Insulation *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick Sheet Flexible Elastomeric Insulation	9.92	2.52
23 07 13 00-0026	SF	1/2" Thick Sheet Flexible Elastomeric Insulation	10.63	2.66
23 07 13 00-0027	SF	3/4" Thick Sheet Flexible Elastomeric Insulation	14.47	2.80
23 07 13 00-0028	SF	1" Thick Sheet Flexible Elastomeric Insulation	16.90	2.94
23 07 13 00-0029	SF	1-1/2" Thick Sheet Flexible Elastomeric Insulation	24.05	3.22
23 07 13 00-0030	SF	2" Thick Sheet Flexible Elastomeric Insulation	28.68	3.50
23 07 13 00-0031		Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.50	2.66
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.15	2.80
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.24	2.94
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	31.07	3.22
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	37.06	3.50
23 07 13 00-0037		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.98	2.66
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.62	2.80
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	23.33	2.94
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	35.11	3.22
23 07 16		HVAC Equipment Insulation *(23 07)*		
23 07 16 00-0001		Calcium Silicate Block Insulation *(23 07 16)*		
23 07 16 00-0002	SF	1" Calcium Silicate Block Insulation	13.17	5.89
		For Work In Restricted Working Space, Add	*3.53*	
23 07 16 00-0003	SF	1-1/2" Calcium Silicate Block Insulation	15.35	6.62
		For Work In Restricted Working Space, Add	*3.98*	
23 07 16 00-0004	SF	2" Calcium Silicate Block Insulation	18.13	7.64
		For Work In Restricted Working Space, Add	*4.60*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 16 00-0005	SF	2-1/2" Calcium Silicate Block Insulation	21.45	8.97
		For Work In Restricted Working Space, Add	*5.38*	
23 07 16 00-0006	SF	3" Calcium Silicate Block Insulation	26.29	11.04
		For Work In Restricted Working Space, Add	*6.62*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0506 for protective jacketing.

23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.77	3.07
		For Work In Restricted Working Space, Add	*2.30*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.77	3.07
		For Work In Restricted Working Space, Add	*2.30*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.75	3.11
		For Work In Restricted Working Space, Add	*2.33*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.91	3.16
		For Work In Restricted Working Space, Add	*2.37*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.05	3.20
		For Work In Restricted Working Space, Add	*2.40*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.74	3.29
		For Work In Restricted Working Space, Add	*2.47*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.27	3.42
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.78	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.45	3.78
		For Work In Restricted Working Space, Add	*2.84*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.11	4.26
		For Work In Restricted Working Space, Add	*3.20*	

23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.27	3.20
		For Work In Restricted Working Space, Add	*2.40*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.32	3.20
		For Work In Restricted Working Space, Add	*2.40*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.11	3.39
		For Work In Restricted Working Space, Add	*2.54*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.54	3.45
		For Work In Restricted Working Space, Add	*2.59*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.99	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.90	3.71
		For Work In Restricted Working Space, Add	*2.78*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.49	3.77
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.04	3.89
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.67	4.21
		For Work In Restricted Working Space, Add	*3.16*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.35	4.92
		For Work In Restricted Working Space, Add	*3.69*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.33	5.19
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	27.91	6.22
		For Work In Restricted Working Space, Add	*4.66*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	32.77	7.24
		For Work In Restricted Working Space, Add	*5.43*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	36.42	7.94
		For Work In Restricted Working Space, Add	*5.95*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.81	10.10
		For Work In Restricted Working Space, Add	*7.58*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	47.03	10.60
		For Work In Restricted Working Space, Add	*7.95*	

23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	13.96	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.24	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.65	3.55
		For Work In Restricted Working Space, Add	*2.67*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.17	3.60
		For Work In Restricted Working Space, Add	*2.70*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.55	3.64
		For Work In Restricted Working Space, Add	*2.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.21	3.78
		For Work In Restricted Working Space, Add	*2.84*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.91	3.91
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.26	4.04
		For Work In Restricted Working Space, Add	*3.03*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.09	4.27
		For Work In Restricted Working Space, Add	*3.20*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.57	5.12
		For Work In Restricted Working Space, Add	*3.84*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	27.53	5.40
		For Work In Restricted Working Space, Add	*4.05*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	33.77	6.47
		For Work In Restricted Working Space, Add	*4.85*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	38.91	7.75
		For Work In Restricted Working Space, Add	*5.81*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	48.52	10.80
		For Work In Restricted Working Space, Add	*8.10*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	50.72	10.80
		For Work In Restricted Working Space, Add	*8.10*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	54.22	11.34
		For Work In Restricted Working Space, Add	*8.51*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	64.26	12.97
		For Work In Restricted Working Space, Add	*9.72*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	75.20	15.66
		For Work In Restricted Working Space, Add	*11.75*	

23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.65	4.05
		For Work In Restricted Working Space, Add	*3.04*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.94	4.05
		For Work In Restricted Working Space, Add	*3.04*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	17.22	4.11
		For Work In Restricted Working Space, Add	*3.08*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	17.38	4.14
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	17.78	4.17
		For Work In Restricted Working Space, Add	*3.13*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.53	4.35
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.59	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.98	4.66
		For Work In Restricted Working Space, Add	*3.49*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.93	4.91
		For Work In Restricted Working Space, Add	*3.68*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.46	5.58
		For Work In Restricted Working Space, Add	*4.19*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	33.53	6.23
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	39.89	7.17
		For Work In Restricted Working Space, Add	*5.38*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	46.77	8.92
		For Work In Restricted Working Space, Add	*6.69*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	51.66	9.74
		For Work In Restricted Working Space, Add	*7.30*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	63.11	12.44
		For Work In Restricted Working Space, Add	*9.33*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	66.60	13.07
		For Work In Restricted Working Space, Add	*9.80*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	77.13	14.94
		For Work In Restricted Working Space, Add	*11.20*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	90.93	18.05
		For Work In Restricted Working Space, Add	*13.53*	

23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	20.59	4.48
		For Work In Restricted Working Space, Add	*3.36*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	20.66	4.48
		For Work In Restricted Working Space, Add	*3.36*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	20.85	4.53
		For Work In Restricted Working Space, Add	*3.40*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.06	4.56
		For Work In Restricted Working Space, Add	*3.42*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.26	4.61
		For Work In Restricted Working Space, Add	*3.46*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.00	4.78
		For Work In Restricted Working Space, Add	*3.59*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.17	4.94
		For Work In Restricted Working Space, Add	*3.71*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.71	5.12
		For Work In Restricted Working Space, Add	*3.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.73	5.40
		For Work In Restricted Working Space, Add	*4.05*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.90	6.14
		For Work In Restricted Working Space, Add	*4.60*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	39.21	6.84
		For Work In Restricted Working Space, Add	*5.13*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	46.42	7.90
		For Work In Restricted Working Space, Add	*5.92*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	54.05	9.81
		For Work In Restricted Working Space, Add	*7.36*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	59.89	10.71
		For Work In Restricted Working Space, Add	*8.03*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	70.80	13.69
		For Work In Restricted Working Space, Add	*10.26*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	76.10	14.37
		For Work In Restricted Working Space, Add	*10.78*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	88.86	16.44
		For Work In Restricted Working Space, Add	*12.32*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	105.37	19.85
		For Work In Restricted Working Space, Add	*14.89*	

23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	25.75	4.91
		For Work In Restricted Working Space, Add	*3.68*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.60	4.91
		For Work In Restricted Working Space, Add	*3.68*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.67	4.94
		For Work In Restricted Working Space, Add	*3.71*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.75	4.97
		For Work In Restricted Working Space, Add	*3.73*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	27.54	5.04
		For Work In Restricted Working Space, Add	*3.78*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.14	5.21
		For Work In Restricted Working Space, Add	*3.91*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	31.48	5.39
		For Work In Restricted Working Space, Add	*4.04*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.59	5.58
		For Work In Restricted Working Space, Add	*4.19*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.84	5.89
		For Work In Restricted Working Space, Add	*4.43*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.18	6.70
		For Work In Restricted Working Space, Add	*5.02*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	49.71	7.46
		For Work In Restricted Working Space, Add	*5.60*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	60.13	8.61
		For Work In Restricted Working Space, Add	*6.46*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	72.97	10.70
		For Work In Restricted Working Space, Add	*8.03*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	77.13	11.68
		For Work In Restricted Working Space, Add	*8.76*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	90.75	14.93
		For Work In Restricted Working Space, Add	*11.20*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	103.33	15.68
		For Work In Restricted Working Space, Add	*11.76*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	112.13	17.94
		For Work In Restricted Working Space, Add	*13.45*	

23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.73	5.45
		For Work In Restricted Working Space, Add	*4.09*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.75	5.45
		For Work In Restricted Working Space, Add	*4.09*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.99	5.55
		For Work In Restricted Working Space, Add	*4.16*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	32.82	5.61
		For Work In Restricted Working Space, Add	*4.21*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	34.67	5.79
		For Work In Restricted Working Space, Add	*4.34*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.41	5.97
		For Work In Restricted Working Space, Add	*4.48*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	38.39	6.07
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.54	6.29
		For Work In Restricted Working Space, Add	*4.71*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.56	6.63
		For Work In Restricted Working Space, Add	*4.97*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	51.46	7.52
		For Work In Restricted Working Space, Add	*5.64*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	60.96	8.39
		For Work In Restricted Working Space, Add	*6.29*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	70.20	9.70
		For Work In Restricted Working Space, Add	*7.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	80.58	12.04
		For Work In Restricted Working Space, Add	*9.03*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	85.91	13.15
		For Work In Restricted Working Space, Add	*9.86*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	102.51	16.82
		For Work In Restricted Working Space, Add	*12.61*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	108.86	17.62
		For Work In Restricted Working Space, Add	*13.22*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	120.88	20.17
		For Work In Restricted Working Space, Add	*15.13*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	4.20	
		For Work In Restricted Working Space, Add	*0.87*	

23 08 Commissioning Of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC *(23)*

23 09 13 Instrumentation And Control Devices For HVAC *(23 09)*

23 09 13 56 Pneumatic Tubing For HVAC *(23 09 13)*

23 09 13 56-0001 Polyurethane Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0002	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	1.83	0.76
23 09 13 56-0003	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.22	0.78
23 09 13 56-0004	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.78	0.81
23 09 13 56-0005	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.42	0.83

23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0007	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.69	0.76
23 09 13 56-0008	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.79	0.78
23 09 13 56-0009	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.00	0.81
23 09 13 56-0010	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.39	0.83

23 09 13 56-0011 Nylon Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0012	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	1.90	0.74
23 09 13 56-0013	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.40	0.76
23 09 13 56-0014	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.42	0.81
23 09 13 56-0015	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.27	0.83

23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0017	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.89	0.76
23 09 13 56-0018	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.80	0.81
23 09 13 56-0019	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.29	0.83
23 09 13 56-0020	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.91	0.86
23 09 13 56-0021	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.38	0.88
23 09 13 56-0022	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.82	0.91

23 09 13 56-0023 Braided Vinyl Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0024	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.45	0.86
23 09 13 56-0025	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	2.77	0.88
23 09 13 56-0026	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.35	0.91

23 09 13 56-0027 Copper Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0028	LF	1/4" Outside Diameter Copper Pneumatic Tubing	3.89	1.65
23 09 13 56-0029	LF	3/8" Outside Diameter Copper Pneumatic Tubing	4.65	1.90
23 09 13 56-0030	LF	1/2" Outside Diameter Copper Pneumatic Tubing	5.39	2.18
23 09 13 56-0031	LF	5/8" Outside Diameter Copper Pneumatic Tubing	6.52	2.51
23 09 13 56-0032	LF	3/4" Outside Diameter Copper Pneumatic Tubing	7.44	2.89

23 09 13 56-0033 Brass Couplings *(23 09 13 56)*

See CSI section 22 11 16 00-0345 for copper tubing.

23 09 13 56-0034 Straight Brass Couplings *(23 09 13 56-0033)*

Note: Barb x Barb

23 09 13 56-0035	EA	1/4" x 1/4" Straight Brass Coupling	8.71	4.16
23 09 13 56-0036	EA	3/8" x 1/4" Straight Brass Coupling	8.77	4.16
23 09 13 56-0037	EA	3/8" x 3/8" Straight Brass Coupling	8.83	4.16

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 13 56-0038		Elbow Brass Couplings *(23 09 13 56-0033)*		
		Note: Barb x Barb		
23 09 13 56-0039	EA	1/4" x 1/4" Elbow Brass Coupling	9.05	4.16
23 09 13 56-0040	EA	3/8" x 3/8" Elbow Brass Coupling	9.26	4.16
23 09 13 56-0041		Tee Brass Couplings *(23 09 13 56-0033)*		
		Note: Barb x Barb		
23 09 13 56-0042	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	13.92	6.48
23 09 13 56-0043	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	15.58	6.94
23 09 13 56-0044	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	15.36	6.94
23 09 23		Direct-Digital Control System For HVAC *(23 09)*		
23 09 23 00-0001		EMCS General Costs *(23 09 23)*		
23 09 23 00-0002		EMCS System Design Engineering *(23 09 23 00-0001)*		
		Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003	HR	EMCS Site Inspection Of Existing Facilities	226.79	
23 09 23 00-0004	HR	EMCS Engineering Project Management	226.79	
23 09 23 00-0005	HR	EMCS System Engineering, Schematic Design And Layout	240.54	
23 09 23 00-0006	HR	EMCS System Software Programming And Graphics Programming	240.54	
23 09 23 00-0007	HR	EMCS Graphics Picture Creation	154.67	
23 09 23 00-0008	HR	EMCS System Controls Training	226.79	
23 09 23 00-0009	HR	EMCS On Site System Diagnostics Field Technician	226.79	
23 09 23 00-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	189.04	
23 09 23 00-0011	HR	EMCS Travel Time (All Personnel)	195.91	
23 09 23 00-0012		Post Warranty Field Tests, Checkout And Commissioning *(23 09 23 00-0001)*		
		Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013	PNT	EMCS Field Test	120.31	
		Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0014	PNT	EMCS Field Checkout And Startup	120.31	
		Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0015	PNT	EMCS Field Commissioning	120.31	
		Note: Priced per point. Used when the owner requires an independent commissioning firm.		
23 09 23 00-0016	EA	EMCS Field Balance Support	103.08	
		Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0017		EMCS System Engineering/Submittal Design And Layout *(23 09 23 00-0001)*		
		Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018	PNT	EMCS System Engineering/Submittal Design And Layout	40.13	
		Note: Priced per point.		
23 09 23 00-0019		Install EMCS Field Devices And Controllers (Labor Only) *(23 09 23 00-0001)*		
		Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0020	EA	Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	207.92	34.36
23 09 23 00-0021	EA	Install AHU Power Supply In A Control Enclosure	151.19	68.72
23 09 23 00-0022	EA	Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	207.92	34.36
23 09 23 00-0023	EA	Install And Wire Room Sensor	56.72	34.36
23 09 23 00-0024	EA	Install And Wire Duct Sensor	75.60	34.36
23 09 23 00-0025	EA	Install And Wire AHU Averaging Sensor	245.67	171.81
23 09 23 00-0026	EA	Install And Wire AHU Humidity Sensor	132.32	51.59
23 09 23 00-0027	EA	Install And Wire AHU CO2 Sensor	189.04	51.59
23 09 23 00-0028	EA	Install And Wire Fan Or Filter DP Switch	189.04	51.59
23 09 23 00-0029	EA	Install And Wire Float Switch	151.19	34.36
23 09 23 00-0030	EA	Install And Wire Freezestat	245.67	171.81
23 09 23 00-0031	EA	Install And Wire Duct Static Pressure Sensor	132.32	68.72
23 09 23 00-0032	EA	Install And Wire Duct High Static Sensor	75.60	34.36
23 09 23 00-0033	EA	Install And Wire Emergency Stop Switch For AHU Or Other Equipment	75.60	34.36
23 09 23 00-0034	EA	Install And Wire Emergency Stop Switch For AHU	226.79	68.72
23 09 23 00-0035	EA	Install And Wire AHU Connection To Starter	226.79	171.81
23 09 23 00-0036	EA	Install And Wire Connection To VFD	415.83	171.81
23 09 23 00-0037	EA	Install And Wire AHU Valve Actuator	113.44	34.36
23 09 23 00-0038	EA	Install And Wire AHU Damper Actuator	226.79	68.72
23 09 23 00-0039	EA	Install And Wire AHU Smoke Detector Or Fire Alarm Relay	132.32	51.59
23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer	94.47	34.36
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer	226.79	68.72
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor	529.18	51.59
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic	189.04	34.36
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure	226.79	68.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure Note: Includes installing all panel devices for a medium size panel.	415.83	
23 09 23 00-0046	EA	Field Install And Wire VAV Controller Note: Use when VAV box is previously installed.	151.19	68.72
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller	132.32	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply	56.72	34.36
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box	75.60	34.36
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller	377.99	103.08
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	113.44	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller Note: For programmable DDC controller.	529.18	309.27
23 09 23 00-0053	EA	Mount Central Plant Enclosure For DDC Control Enclosure Note: For programmable DDC controller.	207.92	34.36
23 09 23 00-0054	EA	Install Central Plant Power Supply For DDC Programmable Controller	151.19	68.72
23 09 23 00-0055	EA	Install Central Plant Wireway For Programmable Controller	226.79	68.72
23 09 23 00-0056	EA	Install And Wire Chiller Controls For Enable And Setpoint Controls	453.59	103.08
23 09 23 00-0057	EA	Install And Wire Chiller Flow Switch	453.59	206.18
23 09 23 00-0058	EA	Install And Wire Chiller DP Transmitter Note: Includes installing copper tubing connection to water piping.	1,701.00	103.08
23 09 23 00-0059	EA	Install And Wire Boiler Controls For Enable And Alarm	340.24	103.08
23 09 23 00-0060	EA	Install And Wire Boiler Safeties Note: For high water, low water and flame safeguard.	340.24	103.08
23 09 23 00-0061	EA	Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	755.98	429.58
23 09 23 00-0062	EA	Wire And Terminate Combustion Air Damper	945.02	68.72
23 09 23 00-0063	EA	Wire Oil Tank Interlock For Oil Boiler	472.46	68.72
23 09 23 00-0064	EA	Install And Wire Boiler Emergency Stop Switch	945.02	206.18
23 09 23 00-0065	EA	Wire And Terminate Temperature Well Sensor Note: Excludes well.	94.47	51.59
23 09 23 00-0066	EA	Install And Wire Strap On Sensor	226.79	51.59
23 09 23 00-0067	EA	Install And Wire CO2 Sensor For Room Or Space Note: Excludes stub-up.	189.04	51.59
23 09 23 00-0068	EA	Install And Wire Valve Actuator	189.04	137.45
23 09 23 00-0069	EA	Install And Wire Outside Air Temperature Sensor	340.24	103.08
23 09 23 00-0070	EA	Install And Wire Outside Air Humidity Sensor	170.07	103.08
23 09 23 00-0071	EA	Install And Wire Flow Sensor	415.83	206.18
23 09 23 00-0072	EA	Install And Wire Pressure Sensor For Pump Or Building	415.83	206.18
23 09 23 00-0073	EA	Install And Wire Pump Starter	226.79	51.59
23 09 23 00-0074	EA	Install And Wire Pump VFD	415.83	103.08
23 09 23 00-0075	EA	Install And Wire Pump DP Switch Note: Includes installing copper tubing connection to water piping.	567.03	206.18
23 09 23 00-0076	EA	Install And Wire System DP Transmitter Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.	1,890.04	206.18
23 09 23 00-0077	EA	Mount Starter Sized Up To 100 HP	151.19	103.08
23 09 23 00-0078	EA	Mount VFD Sized Up To 100 HP	377.99	343.63
23 09 23 00-0079	EA	Install And Wire Cooling Tower Control Enclosure	680.39	206.18
23 09 23 00-0080	EA	Install And Wire Vibration Switch For Cooling Tower	415.83	206.18
23 09 23 00-0081	EA	Install And Wire Cooling Tower Basin Heater	226.79	206.18
23 09 23 00-0082	EA	Install And Wire Basin Water Temperature Switch	226.79	103.08
23 09 23 00-0083	EA	Install And Wire Cooling Tower Make-Up Water Valve	226.79	206.18
23 09 23 00-0084	EA	Install And Wire Cooling Tower Make-Up Water Valve	226.79	206.18
23 09 23 00-0085	EA	Install And Wire Refrigerant Monitor Panel	1,134.06	429.58
23 09 23 00-0086	EA	Install And Wire Break Glass Switch	226.79	103.08
23 09 23 00-0087	EA	Install And Wire Horn/Strobe For Refrigerant Monitor	170.07	68.72
23 09 23 00-0088	EA	Install And Wire Damper Actuator	226.79	68.72
23 09 23 00-0089	EA	Install And Wire Chemical Feed System	1,890.04	429.58
23 09 23 00-0090	EA	Wire And Assemble Control Enclosure Note: Includes installing all panel devices in large size panel.	453.59	
23 09 23 00-0091	EA	Install And Wire Exhaust Fan DDC Control Note: Start or stop and status.	472.46	85.95
23 09 23 00-0092	EA	Install And Wire Exhaust Fan Thermostat Control	151.19	51.59
23 09 23 00-0093	EA	Wire Lighting Contactor (Contactor Installed By Others)	472.46	68.72
23 09 23 00-0094	EA	Wire And Terminate Unit Heater	151.19	51.59
23 09 23 00-0095	EA	Wire Domestic Water Heater For Enable Or Disable	472.46	68.72
23 09 23 00-0096	EA	Wire And Install Current Transformer KWH Meter (With Power Off)	1,512.04	412.35
23 09 23 00-0097	EA	Wire Water Meter (Meter Installed By Others)	1,512.04	103.08
23 09 23 00-0098	EA	Wire Gas Meter (Meter Installed By Others)	1,512.04	103.08
23 09 23 00-0099	EA	Install Wireless Receiver And Wire To DDC Controls	189.04	68.72
23 09 23 00-0100	EA	Install Wireless Sensor	37.84	17.23
23 09 23 00-0101	EA	Wire Split System AC Thermostat	755.98	51.59
23 09 23 00-0102	EA	Wire Sump Pump Monitor Status Switch	567.03	103.08
23 09 23 00-0103	EA	Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	27.49	13.75
23 09 23 00-0104	EA	Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor	510.31	206.18

23 09 23 00-0105 Honeywell Controls *(23 09 23)*

23 09 23 00-0106 EMCS Central Equipment And Controllers *(23 09 23 00-0105)*

23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 00-0106)*
Note: Includes loading software, software license, loading data base and mounting on wall.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0108	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	7,634.70	446.71
23 09 23 00-0109	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	5,428.29	446.71
23 09 23 00-0110	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	4,309.77	446.71
23 09 23 00-0111	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	5,199.85	446.71
23 09 23 00-0112	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	4,279.13	446.71
23 09 23 00-0113	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	4,279.13	446.71
23 09 23 00-0114	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,586.96	446.71
23 09 23 00-0115	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,910.12	446.71
23 09 23 00-0116	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,586.96	446.71
23 09 23 00-0117	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,910.12	446.71
23 09 23 00-0118	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,912.91	446.71
23 09 23 00-0119	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,236.07	446.71
23 09 23 00-0120	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,912.91	446.71
23 09 23 00-0121	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,236.07	446.71
23 09 23 00-0122	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,184.53	446.71
23 09 23 00-0123	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,264.05	446.71
23 09 23 00-0124	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,596.96	446.71
23 09 23 00-0125	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,676.48	446.71
23 09 23 00-0126	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	6,612.28	446.71
23 09 23 00-0127	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	8,669.64	446.71

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0128		**EMCS Network Interfaces** *(23 09 23 00-0106)* Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,055.69	123.71
23 09 23 00-0130	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	905.95	82.47
23 09 23 00-0131	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,165.73	154.67
23 09 23 00-0132	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,744.49	223.41
23 09 23 00-0133	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	937.99	223.41
23 09 23 00-0134	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	74.57	27.49
23 09 23 00-0135		**DDC Application Specific Controller Assemblies** *(23 09 23 00-0106)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,797.99	639.15
23 09 23 00-0137	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,454.36	378.44
23 09 23 00-0138	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,942.31	639.15
23 09 23 00-0139	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,598.69	416.01
23 09 23 00-0140	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,132.65	711.35
23 09 23 00-0141	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,874.89	533.31
23 09 23 00-0142	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,637.74	711.35
23 09 23 00-0143	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,276.98	544.31
23 09 23 00-0144	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,614.37	711.35
23 09 23 00-0145	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,270.74	420.60
23 09 23 00-0146	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,803.41	711.35
23 09 23 00-0147	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,459.69	473.75
23 09 23 00-0148	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,091.58	711.35
23 09 23 00-0149	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,741.09	419.68
23 09 23 00-0150	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,280.62	711.35
23 09 23 00-0151	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,930.03	472.83
23 09 23 00-0152	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,591.91	711.35
23 09 23 00-0153	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,279.26	454.50
23 09 23 00-0154	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,969.99	711.35
23 09 23 00-0155	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,657.25	532.39
23 09 23 00-0156		**DDC Programmable Controller Assemblies** *(23 09 23 00-0106)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.		
23 09 23 00-0157	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	1,860.16	546.41
23 09 23 00-0158	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,124.28	546.41
23 09 23 00-0159	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,794.14	642.62
23 09 23 00-0160	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,058.25	642.62
23 09 23 00-0161	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	4,951.51	752.59
23 09 23 00-0162	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,256.81	752.59
23 09 23 00-0163		**EMCS Optional DDC Controller Hardware** *(23 09 23 00-0106)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0164	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	317.59	
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	367.04	
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	384.45	
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	362.86	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	368.43	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	360.07	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	309.93	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	269.53	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	394.90	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	353.11	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	390.02	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	828.10	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,030.07	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	514.69	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	507.03	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	248.64	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	282.76	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	522.35	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	558.56	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B)	349.63	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B)	349.63	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B)	349.63	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B)	349.63	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	61.99	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	117.01	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	114.92	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	351.71	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB)	52.23	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	351.71	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	323.86	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	323.86	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	341.27	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	341.27	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	491.01	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	579.46	
23 09 23 00-0199	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,231.35	

23 09 23 00-0200 EMCS Software *(23 09 23 00-0105)*

23 09 23 00-0201 Software Packages And License *(23 09 23 00-0200)*

Note: Includes installation on equipment.

23 09 23 00-0202	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	392.81	
23 09 23 00-0203	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	1,546.69	
23 09 23 00-0204	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	4,387.73	
23 09 23 00-0205	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,611.74	
23 09 23 00-0206	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,009.27	
23 09 23 00-0207	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,137.76	
23 09 23 00-0208	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,770.97	
23 09 23 00-0209	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	535.89	
23 09 23 00-0210	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	372.22	
23 09 23 00-0211	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	20,210.33	
23 09 23 00-0212	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	18,451.72	
23 09 23 00-0213	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	6,996.69	
23 09 23 00-0214	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	5,220.70	
23 09 23 00-0215	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,509.24	
23 09 23 00-0216	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,509.24	
23 09 23 00-0217	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	10,446.98	
23 09 23 00-0218	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,392.93	
23 09 23 00-0219	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,509.24	
23 09 23 00-0220	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,946.87	
23 09 23 00-0221	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,509.24	
23 09 23 00-0222	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	25,305.36	
23 09 23 00-0223	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	46,431.23	
23 09 23 00-0224	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	81,254.48	
23 09 23 00-0225	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	4,178.79	
23 09 23 00-0226	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	2,089.40	
23 09 23 00-0227	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	1,708.74	
23 09 23 00-0228	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	1,860.10	

23 09 23 00-0229 Initial Database Generation *(23 09 23 00-0200)*

23 09 23 00-0230	PNT	Database Generation For Central Plant	61.49	
23 09 23 00-0231	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	61.49	
23 09 23 00-0232	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	61.49	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0233	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	42.79	
23 09 23 00-0234	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	42.79	
23 09 23 00-0235		**Application Software Programs** *(23 09 23 00-0200)*		
23 09 23 00-0236	EA	Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,565.73	
23 09 23 00-0237	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	85.77	
23 09 23 00-0238	EA	Duty Cycling Program	40.50	
23 09 23 00-0239	EA	Hot Deck/Cold Deck Reset Application Program	4,407.84	
23 09 23 00-0240	EA	Boiler Optimization Program	5,776.21	
23 09 23 00-0241	EA	Chiller Optimization Program	7,824.46	
23 09 23 00-0242	EA	Lighting Control Program	3,775.78	
23 09 23 00-0243	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	75.23	
23 09 23 00-0244	EA	Email Alarm Server Configuration	2,912.86	
23 09 23 00-0245		**Color Graphics Generation** *(23 09 23 00-0200)* Note: Priced per page.		
23 09 23 00-0246	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,537.43	
23 09 23 00-0247	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	2,729.66	
23 09 23 00-0248	EA	Color Graphics Page For Central Plant	698.53	
23 09 23 00-0249	EA	Color Graphics Page For Building Floor Plan	645.01	
23 09 23 00-0250	EA	Replication Of Color Graphics Page For Central Plant	350.40	
23 09 23 00-0251	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	785.85	
23 09 23 00-0252	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	168.05	
23 09 23 00-0253	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	726.84	
23 09 23 00-0254	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	72.67	
23 09 23 00-0255		**Sensors, Actuators And Control Devices** *(23 09 23 00-0105)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256		**Special Sensors** *(23 09 23 00-0255)*		
23 09 23 00-0257	EA	Dewpoint Sensor (Honeywell C7232B1014)	1,284.64	56.72
23 09 23 00-0258	EA	Enthalpy Sensor -25 To 125 F	1,338.45	56.72
23 09 23 00-0259	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	664.53	113.44
23 09 23 00-0260	EA	Freezestat (Honeywell L482A1004)	471.19	189.04
23 09 23 00-0261	EA	Wall Mounted Occupancy Sensor	322.83	56.72
23 09 23 00-0262	EA	Ceiling Mounted Occupancy Sensor	263.50	56.72
23 09 23 00-0263	EA	I/P Positioner With Gauge	309.26	56.72
23 09 23 00-0264	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube	371.05	56.72
23 09 23 00-0265	EA	EP Transducer	309.26	37.84
23 09 23 00-0266	EA	Electric Heat Sequencer	497.56	75.60
23 09 23 00-0267		**Meters** *(23 09 23 00-0255)*		
23 09 23 00-0268	EA	KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps	3,147.83	453.59
23 09 23 00-0269	EA	KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface	4,608.52	529.18
23 09 23 00-0270	EA	Current Transformer For KW Meter 1 - 300 Amps	1,136.06	189.04
23 09 23 00-0271	EA	Current Transformer For KW Meter 300 - 800 Amps	1,274.72	189.04
23 09 23 00-0272	EA	Current Transformer For KW Meter 800 - 2,400 Amp	1,540.64	189.04
23 09 23 00-0273		**Direct Coupled Actuators** *(23 09 23 00-0255)*		
23 09 23 00-0274	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	455.05	82.44
23 09 23 00-0275	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	494.12	82.44
23 09 23 00-0276	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	561.28	82.44
23 09 23 00-0277	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	432.19	82.44
23 09 23 00-0278	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	474.20	82.44
23 09 23 00-0279	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	515.81	82.44
23 09 23 00-0280	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	476.50	82.44
23 09 23 00-0281	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	536.41	82.44
23 09 23 00-0282	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	601.07	82.44
23 09 23 00-0283	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	401.03	82.44

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0284	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	432.92	82.44
23 09 23 00-0285	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	497.01	82.44
23 09 23 00-0286	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	527.17	82.44
23 09 23 00-0287	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	526.79	82.44
23 09 23 00-0288	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	609.51	82.44
23 09 23 00-0289	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	414.10	82.44
23 09 23 00-0290	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	699.67	82.44
23 09 23 00-0291	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	320.04	82.44
23 09 23 00-0292	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	474.13	82.44

23 09 23 00-0293 Thermostats *(23 09 23 00-0105)*

23 09 23 00-0294 Electric And Electronic Thermostats *(23 09 23 00-0293)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 00-0295	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	147.67	13.75
23 09 23 00-0296	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	157.57	13.75
23 09 23 00-0297	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	146.57	13.75
23 09 23 00-0298	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	161.64	13.75
23 09 23 00-0299	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	172.97	13.75
23 09 23 00-0300	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	245.56	13.75
23 09 23 00-0301	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	348.95	13.75
23 09 23 00-0302	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	553.39	13.75
23 09 23 00-0303	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	588.91	13.75

23 09 23 00-0304 Pneumatic Thermostats *(23 09 23 00-0293)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.

23 09 23 00-0305	EA	Pneumatic Thermostat (Honeywell TP970B2182)	193.17	13.75

23 09 23 00-0306 Thermostats Guards *(23 09 23 00-0293)*

23 09 23 00-0307	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	48.88	13.75
23 09 23 00-0308	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	57.13	13.75
23 09 23 00-0309	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	54.16	13.75

23 09 23 00-0310 Delta Controls *(23 09 23)*

23 09 23 00-0311 Software *(23 09 23 00-0310)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0312	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,443.30	
23 09 23 00-0313	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,315.16	
23 09 23 00-0314	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	5,016.18	
23 09 23 00-0315	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	8,002.92	
23 09 23 00-0316	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	4,144.32	
23 09 23 00-0317	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,443.30	
23 09 23 00-0318	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,372.60	
23 09 23 00-0319	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	4,144.32	
23 09 23 00-0320	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,531.83	91.63
23 09 23 00-0321	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,580.09	

23 09 23 00-0322 EMCS Central Equipment And Controllers *(23 09 23 00-0310)*

23 09 23 00-0323	EA	Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616)	5,696.97	366.53
23 09 23 00-0324	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,462.21	366.53

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0325	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,433.90	366.53
23 09 23 00-0326	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,433.90	366.53
23 09 23 00-0327	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,433.90	366.53
23 09 23 00-0328	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	3,245.85	366.53
23 09 23 00-0329	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,074.56	183.27
23 09 23 00-0330	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	991.60	183.27
23 09 23 00-0331	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,046.64	183.27
23 09 23 00-0332	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	991.60	183.27
23 09 23 00-0333	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,151.09	229.09
23 09 23 00-0334	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	568.82	91.63
23 09 23 00-0335	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	603.80	91.63
23 09 23 00-0336	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	694.51	91.63

23 09 23 00-0337 Network, VAV And Special Sensors *(23 09 23 00-0310)*

23 09 23 00-0338	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	177.44	29.32
23 09 23 00-0339	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	236.81	32.99
23 09 23 00-0340	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	445.28	13.75

23 09 23 00-0341 Trane Controls *(23 09 23)*

23 09 23 00-0342 Software *(23 09 23 00-0341)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0343	EA	Summit + Building Management Package (Trane 40201152)	4,217.44	
23 09 23 00-0344	EA	Summit Current Version Software (Trane 40201111)	2,412.19	
23 09 23 00-0345	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	565.32	
23 09 23 00-0346	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,398.97	
23 09 23 00-0347	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	6,500.27	

23 09 23 00-0348 EMCS Central Equipment And Controllers *(23 09 23 00-0341)*

23 09 23 00-0349	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	4,322.55	366.53
23 09 23 00-0350	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	8,910.63	366.53
23 09 23 00-0351	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	8,910.63	366.53
23 09 23 00-0352	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	7,914.40	366.53
23 09 23 00-0353	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	9,072.71	366.53
23 09 23 00-0354	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	149.30	22.91
23 09 23 00-0355	EA	Summit Comm5 Repeater (Trane 49500457)	1,158.21	183.27
23 09 23 00-0356	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	1,887.55	229.09
23 09 23 00-0357	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,403.32	274.90
23 09 23 00-0358	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	1,942.97	274.90
23 09 23 00-0359	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	1,683.25	274.90
23 09 23 00-0360	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,681.22	274.90
23 09 23 00-0361	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	727.16	91.63
23 09 23 00-0362	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	669.94	91.63
23 09 23 00-0363	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,225.49	183.27
23 09 23 00-0364	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,178.03	183.27
23 09 23 00-0365	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	648.98	91.63
23 09 23 00-0366	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	580.07	91.63
23 09 23 00-0367	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	818.53	91.63
23 09 23 00-0368	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	750.00	91.63
23 09 23 00-0369	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	655.11	91.63
23 09 23 00-0370	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	628.53	91.63
23 09 23 00-0371	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	709.60	91.63
23 09 23 00-0372	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	655.11	91.63
23 09 23 00-0373	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	966.20	183.27
23 09 23 00-0374	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,033.97	183.27

23 09 23 00-0375 Network, VAV And Special Sensors *(23 09 23 00-0341)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0376	EA	Digital Display Zone Sensor (Trane X13790464010)	151.42	29.32
23 09 23 00-0377	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	107.01	29.32
23 09 23 00-0378	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	99.53	29.32
23 09 23 00-0379	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	184.65	32.99
23 09 23 00-0380	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	117.23	29.32
23 09 23 00-0381	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	117.23	29.32
23 09 23 00-0382	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	378.59	52.79
23 09 23 00-0383	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	334.93	29.32
23 09 23 00-0384	EA	Transformer 120/24 40 VA (Trane X13550284010)	95.78	29.32
23 09 23 00-0385	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	93.11	29.32
23 09 23 00-0386	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	88.83	29.32
23 09 23 00-0387	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,060.82	365.03
23 09 23 00-0388	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,024.26	365.03
23 09 23 00-0389	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	948.06	365.03
23 09 23 00-0390	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,639.66	547.51
23 09 23 00-0391	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	948.06	365.03
23 09 23 00-0392	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	986.67	365.03
23 09 23 00-0393	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	989.80	365.03
23 09 23 00-0394	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	383.50	182.49
23 09 23 00-0395	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	512.36	182.49
23 09 23 00-0396	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,801.77	547.51
23 09 23 00-0397	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,742.91	547.51
23 09 23 00-0398	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	109.15	36.52
23 09 23 00-0399	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	360.01	65.70
23 09 23 00-0400	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,838.15	547.51
23 09 23 00-0401	EA	BACnet Term (2 Pack) (Trane X1365152401)	177.04	65.70
23 09 23 00-0402	EA	Tracer ES Add License (Trane X40250125010)	3,698.26	1,460.00
23 09 23 00-0403	EA	Kit - Tracer TU For Controls (Trane X4509151201)	4,687.09	1,459.91
23 09 23 00-0404	EA	Kit - Tracer TU Complete (Trane X4509151301)	5,583.75	1,459.91
23 09 23 00-0405	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	403.88	65.70
23 09 23 00-0406	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	246.05	65.70
23 09 23 00-0407	EA	Sensor Wireless Display Sensor (Trane X13790822010)	273.87	65.70
23 09 23 00-0408	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	248.73	65.70
23 09 23 00-0409	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	325.61	65.70
23 09 23 00-0410	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	351.81	65.70

23 09 23 00-0411 Johnson Controls *(23 09 23)*

23 09 23 00-0412 Software *(23 09 23 00-0411)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0413	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	11,255.02	
23 09 23 00-0414	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	13,298.92	
23 09 23 00-0415	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	717.86	
23 09 23 00-0416	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,054.70	
23 09 23 00-0417	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,818.82	
23 09 23 00-0418	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	723.57	
23 09 23 00-0419	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	720.21	
23 09 23 00-0420	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	303.15	

23 09 23 00-0421 Supervisory Controllers *(23 09 23 00-0411)*

23 09 23 00-0422	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	5,568.96	366.53
23 09 23 00-0423	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	8,264.50	366.53
23 09 23 00-0424	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	10,966.02	366.53
23 09 23 00-0425	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	4,530.65	366.53

23 09 23 00-0426 Controllers *(23 09 23 00-0411)*

23 09 23 00-0427	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	652.97	91.63
23 09 23 00-0428	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	832.71	183.27
23 09 23 00-0429	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,145.56	183.27
23 09 23 00-0430	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,325.29	183.27
23 09 23 00-0431	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	549.86	91.63
23 09 23 00-0432	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	595.69	91.63
23 09 23 00-0433	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	664.44	91.63
23 09 23 00-0434	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	673.60	91.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0435	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0)	647.12	91.63
23 09 23 00-0436	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0)	673.84	91.63
23 09 23 00-0437	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,372.06	183.27
23 09 23 00-0438		**Master FX Controllers** *(23 09 23 00-0411)*		
23 09 23 00-0439	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,688.30	183.27
23 09 23 00-0440	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,797.01	183.27
23 09 23 00-0441	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	1,851.03	183.27
23 09 23 00-0442	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	1,818.20	183.27
23 09 23 00-0443	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	1,766.89	183.27
23 09 23 00-0444	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	1,775.12	183.27
23 09 23 00-0445	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	1,766.89	183.27
23 09 23 00-0446	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	1,797.13	183.27
23 09 23 00-0447	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	1,891.02	183.27
23 09 23 00-0448	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	1,953.61	183.27
23 09 23 00-0449	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	1,922.31	183.27
23 09 23 00-0450	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	1,858.25	183.27
23 09 23 00-0451	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	1,797.13	183.27
23 09 23 00-0452	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	1,891.02	183.27
23 09 23 00-0453	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	1,953.61	183.27
23 09 23 00-0454	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	1,922.31	183.27
23 09 23 00-0455	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	1,858.25	183.27
23 09 23 00-0456	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	202.52	45.82
23 09 23 00-0457	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	279.55	45.82
23 09 23 00-0458	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	224.14	45.82
23 09 23 00-0459	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	202.52	45.82
23 09 23 00-0460	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	554.85	45.82
23 09 23 00-0461	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	515.22	45.82
23 09 23 00-0462	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	524.50	45.82
23 09 23 00-0463	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	524.50	45.82
23 09 23 00-0464	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	570.84	45.82
23 09 23 00-0465	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	570.84	45.82
23 09 23 00-0466	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	704.07	45.82
23 09 23 00-0467	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	704.07	45.82
23 09 23 00-0468	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	779.37	45.82
23 09 23 00-0469	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	779.37	45.82
23 09 23 00-0470		**VAV, Network And Special Sensors** *(23 09 23 00-0411)*		
23 09 23 00-0471	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	358.93	29.32
23 09 23 00-0472	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	131.66	29.32
23 09 23 00-0473	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	281.72	29.32
23 09 23 00-0474	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	412.77	29.32
23 09 23 00-0475	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	148.68	29.32
23 09 23 00-0476	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	375.82	29.32
23 09 23 00-0477		**Sensors - Hard Wired Type** *(23 09 23 00-0411)*		
23 09 23 00-0478	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	142.21	52.79
23 09 23 00-0479	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	112.20	29.32
23 09 23 00-0480	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	283.23	13.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0481	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)	377.29	13.75
		Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 00-0482	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)	283.75	13.75
		Note: For VVT systems.		
23 09 23 00-0483	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	367.43	29.32
23 09 23 00-0484	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	448.83	29.32
23 09 23 00-0485		**Automated Logic Controls** *(23 09 23)*		
23 09 23 00-0486	EA	Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25)	2,993.12	293.23
23 09 23 00-0487	EA	Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250)	3,511.36	293.23
23 09 23 00-0488	EA	Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000)	5,237.31	293.23
23 09 23 00-0489	EA	Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25)	3,409.56	293.23
23 09 23 00-0490	EA	Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200)	5,653.76	293.23
23 09 23 00-0491	EA	ME812u Controller And Router (Automated Logic ME812u-LGR)	7,837.11	586.45
23 09 23 00-0492	EA	4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx48u)	2,333.74	293.23
23 09 23 00-0493	EA	8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx88u)	2,710.86	293.23
23 09 23 00-0494	EA	0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx016u)	2,495.69	293.23
23 09 23 00-0495	EA	8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx816u)	5,608.77	733.07
23 09 23 00-0496	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	2,302.67	219.92
23 09 23 00-0497	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	5,381.06	659.76
23 09 23 00-0498	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	1,682.63	219.92
23 09 23 00-0499	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	3,317.02	293.23
23 09 23 00-0500	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	3,270.75	293.23
23 09 23 00-0501	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	5,430.97	586.45
23 09 23 00-0502	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	2,969.98	293.23
23 09 23 00-0503	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	2,876.44	219.92
23 09 23 00-0504	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	5,153.34	586.45
23 09 23 00-0505	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,050.03	146.62
23 09 23 00-0506	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	1,096.31	146.62
23 09 23 00-0507	EA	6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a)	3,537.45	513.15
23 09 23 00-0508	EA	6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166)	4,297.30	586.45
23 09 23 00-0509	EA	2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220)	1,277.75	219.92
23 09 23 00-0510	EA	2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253)	1,455.89	219.92
23 09 23 00-0511	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	1,124.07	146.62
23 09 23 00-0512	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	1,103.25	146.62
23 09 23 00-0513	EA	5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551)	1,398.52	219.92
23 09 23 00-0514	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	1,284.69	219.92
23 09 23 00-0515	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	8,260.84	
23 09 23 00-0516	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	3,494.83	
23 09 23 00-0517	EA	Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP)	1,658.51	
23 09 23 00-0518	EA	Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC)	2,121.23	
23 09 23 00-0519	EA	Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM)	2,391.58	
23 09 23 00-0520	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	3,046.67	
23 09 23 00-0521		**Alerton Controls** *(23 09 23)*		
23 09 23 00-0522	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	5,912.98	
23 09 23 00-0523	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	7,426.66	
23 09 23 00-0524	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	17,881.58	
23 09 23 00-0525	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	13,563.24	
23 09 23 00-0526	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	34,018.50	
23 09 23 00-0527	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	26,954.16	
23 09 23 00-0528	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	40,836.91	
23 09 23 00-0529	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,194.84	
23 09 23 00-0530	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	15,863.32	
23 09 23 00-0531	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	11,765.45	
23 09 23 00-0532	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	7,394.85	
23 09 23 00-0533	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	4,797.02	
23 09 23 00-0534	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	1,920.08	
23 09 23 00-0535	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	3,190.59	219.92
23 09 23 00-0536	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	4,667.16	293.23
23 09 23 00-0537	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	4,611.70	293.23
23 09 23 00-0538	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	1,849.62	219.92
23 09 23 00-0539	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	2,174.64	219.92
23 09 23 00-0540	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	1,749.62	219.92
23 09 23 00-0541	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	2,100.09	219.92
23 09 23 00-0542	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	4,540.63	219.92
23 09 23 00-0543	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	2,354.81	293.23

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0544	EA	EXP BACnet Controller (Alerton VLX)	5,093.71	586.45
23 09 23 00-0545	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	5,805.11	586.45
23 09 23 00-0546	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	748.78	65.30
23 09 23 00-0547	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	1,565.52	219.92
23 09 23 00-0548	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	1,640.53	219.92
23 09 23 00-0549	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,381.43	219.92
23 09 23 00-0550	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,485.98	219.92
23 09 23 00-0551	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,481.44	219.92
23 09 23 00-0552	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	2,081.46	219.92
23 09 23 00-0553	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	1,668.26	219.92
23 09 23 00-0554	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	2,452.54	293.23
23 09 23 00-0555	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,109.00	146.62
23 09 23 00-0556	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,078.99	146.62
23 09 23 00-0557	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	1,492.80	219.92
23 09 23 00-0558	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	1,492.80	219.92
23 09 23 00-0559	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	1,735.08	219.92
23 09 23 00-0560	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	3,248.48	293.23
23 09 23 00-0561	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,535.98	219.92
23 09 23 00-0562	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	95.15	8.25
23 09 23 00-0563	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	148.06	8.25
23 09 23 00-0564	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	362.61	8.25
23 09 23 00-0565	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	362.61	8.25
23 09 23 00-0566	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	284.43	8.25
23 09 23 00-0567	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	102.61	8.25
23 09 23 00-0568	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	382.16	8.25
23 09 23 00-0569	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	427.62	8.25
23 09 23 00-0570	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	2,076.91	219.92
23 09 23 00-0571	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	2,188.73	219.92
23 09 23 00-0572	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	2,092.37	219.92

23 09 23 00-0573 Siemens Controls *(23 09 23)*

23 09 23 00-0574	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	202.89	13.75
23 09 23 00-0575	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	201.67	13.75
23 09 23 00-0576	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	225.51	61.91
23 09 23 00-0577	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	320.09	61.91
23 09 23 00-0578	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	46.50	
23 09 23 00-0579	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	156.92	91.63
23 09 23 00-0580	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	255.93	16.10
23 09 23 00-0581	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	327.80	29.24
23 09 23 00-0582	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	893.97	29.24
23 09 23 00-0583	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	762.63	37.04
23 09 23 00-0584	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	215.17	52.79
23 09 23 00-0585	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	182.35	29.32
23 09 23 00-0586	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	993.06	146.62
23 09 23 00-0587	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	36.47	
23 09 23 00-0588	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,034.49	146.62
23 09 23 00-0589	EA	MMI Extension Cable (Siemens 545-712)	104.00	
23 09 23 00-0590	EA	Remote Pressure Transmitter (Siemens 547-003)	657.83	29.32
23 09 23 00-0591	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	1,110.85	146.62
23 09 23 00-0592	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	1,026.37	146.62
23 09 23 00-0593	EA	Replacement Door Lock And Key Assembly (Siemens 567-225)	26.85	
23 09 23 00-0594	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	8,410.27	
23 09 23 00-0595	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	342.18	
23 09 23 00-0596	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,414.22	
23 09 23 00-0597	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	300.92	9.72
23 09 23 00-0598	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	629.38	16.86
23 09 23 00-0599	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	8,339.17	366.53
23 09 23 00-0600	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	9,314.92	366.53
23 09 23 00-0601	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	110.83	13.75
23 09 23 00-0602	EA	Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	464.79	82.44
23 09 23 00-0603	EA	Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	482.50	82.44
23 09 23 00-0604	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	2,930.11	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0605	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	824.80	
23 09 23 00-0606	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,006.51	
23 09 23 00-0607	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	1,483.63	
23 09 23 00-0608	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,347.13	
23 09 23 00-0609	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,504.77	
23 09 23 00-0610	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	476.64	
23 09 23 00-0611	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	531.44	
23 09 23 00-0612	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	271.36	
23 09 23 00-0613	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	391.49	45.82
23 09 23 00-0614	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	605.87	45.82
23 09 23 00-0615	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	788.94	45.82
23 09 23 00-0616	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	20.93	
23 09 23 00-0617	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	351.73	45.82
23 09 23 00-0618	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	428.51	45.82
23 09 23 00-0619	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	378.65	45.82
23 09 23 00-0620	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	461.75	45.82
23 09 23 00-0621	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	5,205.36	513.15
23 09 23 00-0622	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	3,616.06	146.62
23 09 23 00-0623	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	5,815.27	586.45
23 09 23 00-0624	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,398.83	274.90
23 09 23 00-0625	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,566.24	274.90
23 09 23 00-0626	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,398.83	274.90
23 09 23 00-0627	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,995.00	293.23
23 09 23 00-0628	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,078.68	293.23
23 09 23 00-0629	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	3,043.19	293.23
23 09 23 00-0630	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,205.08	293.23
23 09 23 00-0631	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,995.00	293.23
23 09 23 00-0632	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,121.79	293.23
23 09 23 00-0633	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,873.56	513.15
23 09 23 00-0634	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	7,613.85	586.45
23 09 23 00-0635	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,092.96	
23 09 23 00-0636	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	440.08	36.65
23 09 23 00-0637	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	546.07	73.31
23 09 23 00-0638	EA	Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3)	211.87	18.32
23 09 23 00-0639	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	270.49	52.79
23 09 23 00-0640	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	175.26	29.32
23 09 23 00-0641	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	118.51	29.32
23 09 23 00-0642	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	169.10	52.79
23 09 23 00-0643	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	245.76	52.79
23 09 23 00-0644	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	192.00	52.79
23 09 23 00-0645	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	2,077.59	295.24
23 09 23 00-0646	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	66.47	9.16
23 09 23 00-0647	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.18	
23 09 23 00-0648	EA	16 Digital Input Module (Siemens TXM1.16D)	1,053.91	146.62
23 09 23 00-0649	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,548.39	219.92
23 09 23 00-0650	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,875.22	219.92
23 09 23 00-0651	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	324.76	29.32

23 09 23 00-0652 Cypress Envirosystems Controls *(23 09 23)*

23 09 23 00-0653 Wireless Pneumatic Thermostat *(23 09 23 00-0652)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 00-0654	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP) Note: One for every thermostat to be retrofitted.	326.07	9.16
		For >50 To 200, Deduct	*-16.43*	
		For >200, Deduct	*-32.84*	
23 09 23 00-0655	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP) Note: One for every thermostat to be retrofitted.	326.07	9.16
		For >50 To 200, Deduct	*-16.43*	
		For >200, Deduct	*-32.84*	
23 09 23 00-0656	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP) Note: One for every thermostat to be retrofitted.	326.07	9.16
		For >50 To 200, Deduct	*-16.43*	
		For >200, Deduct	*-32.84*	
23 09 23 00-0657	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP) Note: One for every thermostat to be retrofitted.	326.07	9.16
		For >50 To 200, Deduct	*-16.43*	
		For >200, Deduct	*-32.84*	
23 09 23 00-0658	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB) Note: One for every thermostat to be retrofitted.	370.09	9.16
		For >50 To 200, Deduct	*-18.88*	
		For >200, Deduct	*-37.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0659	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	370.09	9.16
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-18.88*	
		For >200, Deduct	*-37.73*	
23 09 23 00-0660	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	370.09	9.16
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-18.88*	
		For >200, Deduct	*-37.73*	
23 09 23 00-0661	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	379.58	9.16
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-19.41*	
		For >200, Deduct	*-38.78*	
23 09 23 00-0662	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	28.55	9.16
		Note: Optional cover.		
		For >50 To 200, Deduct	*-1.08*	
		For >200, Deduct	*-2.15*	
23 09 23 00-0663	EA	Green Box Controller (Cypress Envirosystems GBC-800-001)	3,591.66	9.16
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-179.32*	
		For >2, Deduct	*-358.31*	
23 09 23 00-0664	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	265.09	9.16
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-14.23*	
		For >2, Deduct	*-28.43*	
23 09 23 00-0665	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	468.07	9.16
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-23.48*	
		For >10, Deduct	*-46.91*	
23 09 23 00-0666	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	582.65	9.16
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-27.30*	
		For >10, Deduct	*-54.55*	

23 09 23 00-0667 Melink Intelli-Hood IH3 Controls *(23 09 23)*

23 09 23 00-0668 Kitchen Ventilation Controllers *(23 09 23 00-0667)*

23 09 23 00-0669	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001)	6,356.73	366.53
		Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0670	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001)	1,126.43	75.60
		Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 00-0671	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001)	1,967.98	305.14
		Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		

23 09 23 00-0672 Kitchen Ventilation Sensors *(23 09 23 00-0667)*

23 09 23 00-0673	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	347.77	52.79
		Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 00-0674	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	2,891.00	293.23
		Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		

23 09 23 00-0675 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23)*

23 09 23 00-0676 Temperature Sensors *(23 09 23 00-0675)*

23 09 23 00-0677	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	152.69	52.79
23 09 23 00-0678	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	200.40	52.79
23 09 23 00-0679	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	158.18	52.79
23 09 23 00-0680	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	163.80	52.79
23 09 23 00-0681	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	165.68	52.79
23 09 23 00-0682	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	163.83	52.79
23 09 23 00-0683	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	164.82	52.79
23 09 23 00-0684	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	174.30	52.79
23 09 23 00-0685	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	182.58	52.79
23 09 23 00-0686	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	227.11	73.31
23 09 23 00-0687	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	233.49	73.31
23 09 23 00-0688	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	100.26	29.32
23 09 23 00-0689	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	102.61	29.32
23 09 23 00-0690	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	96.44	29.32

23 09 23 00-0691 Water Temperature Sensors *(23 09 23 00-0675)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0692	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	120.15	56.72
23 09 23 00-0693	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	283.63	56.72
23 09 23 00-0694		**Relative Humidity Sensors** *(23 09 23 00-0675)*		
23 09 23 00-0695	EA	3% Duct Mounted RH Sensor (Kele HD30K)	357.29	52.79
23 09 23 00-0696	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	366.17	52.79
23 09 23 00-0697	EA	3% RH Outdoor Air Sensor (Kele HO30K)	422.76	73.31
23 09 23 00-0698	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	312.22	29.32
23 09 23 00-0699		**Pressure Sensors** *(23 09 23 00-0675)*		
23 09 23 00-0700	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005)	471.38	61.91
23 09 23 00-0701	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050)	423.67	61.91
23 09 23 00-0702	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	192.81	61.91
23 09 23 00-0703	EA	Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	198.35	61.91
23 09 23 00-0704	EA	Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	209.20	61.91
23 09 23 00-0705	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	196.75	61.91
23 09 23 00-0706	EA	Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	1,632.77	61.91
23 09 23 00-0707	EA	Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	1,632.77	61.91
23 09 23 00-0708	EA	Magnahelic Gauge	480.20	37.84
23 09 23 00-0709		**Water Flow Meters** *(23 09 23 00-0675)*		
23 09 23 00-0710	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	2,971.53	81.80
23 09 23 00-0711	EA	Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210) Note: Excludes pipe fittings.	1,650.11	27.26
23 09 23 00-0712		**Air Flow Monitoring Stations** *(23 09 23 00-0675)*		
23 09 23 00-0713	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,363.79	95.94
23 09 23 00-0714	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,362.26	95.94
23 09 23 00-0715	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	4,166.74	95.94
23 09 23 00-0716		**Gas Sensors** *(23 09 23 00-0675)*		
23 09 23 00-0717	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,237.21	43.98
23 09 23 00-0718	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	552.67	29.32
23 09 23 00-0719	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	988.70	43.98
23 09 23 00-0720	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	554.23	52.79
23 09 23 00-0721		**Room Pressure Monitoring** *(23 09 23 00-0675)*		
23 09 23 00-0722	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,952.28	49.96
23 09 23 00-0723	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	3,112.34	49.96
23 09 23 00-0724	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	257.42	29.97
23 09 23 00-0725	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	294.44	29.97
23 09 23 00-0726		**Current Switches And Current Sensors** *(23 09 23 00-0675)*		
23 09 23 00-0727	EA	Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	101.13	29.32
23 09 23 00-0728	EA	Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	104.34	29.32
23 09 23 00-0729	EA	VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	151.42	29.32
23 09 23 00-0730	EA	Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24)	96.85	29.32
23 09 23 00-0731	EA	DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA)	260.56	29.32
23 09 23 00-0732	EA	DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC)	172.64	29.32
23 09 23 00-0733	EA	Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	136.00	29.32
23 09 23 00-0734	EA	Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721)	136.00	29.32
23 09 23 00-0735	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,255.80	146.62
23 09 23 00-0736	EA	Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2) Note: 3 phase networked transducer.	823.06	29.32
23 09 23 00-0737	EA	Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3)	1,241.75	29.32
23 09 23 00-0738	EA	Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	144.61	29.32
23 09 23 00-0739	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	237.11	77.88
23 09 23 00-0740	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	237.37	77.88
23 09 23 00-0741	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	250.21	77.88
23 09 23 00-0742	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	253.42	77.88
23 09 23 00-0743	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	271.61	77.88
23 09 23 00-0744	EA	Toggle Switch	99.76	36.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0745	EA	Maintained Pushbutton Switch	105.00	36.65
23 09 23 00-0746	EA	Manual Time Switch	154.40	36.65
23 09 23 00-0747	EA	Emergency Stop Switch	242.73	36.65
23 09 23 00-0748	EA	Float Switch	257.66	36.65
23 09 23 00-0749	EA	Break Glass Switch	763.13	36.65
23 09 23 00-0750	EA	Boiler E-Stop Switch	517.63	36.65
23 09 23 00-0751		**Relays** *(23 09 23 00-0675)*		
23 09 23 00-0752	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	86.69	29.32
23 09 23 00-0753	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	93.27	29.32
23 09 23 00-0754	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	128.93	36.65
23 09 23 00-0755	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	152.30	29.32
23 09 23 00-0756	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	81.91	29.32
23 09 23 00-0757	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	80.95	29.32
23 09 23 00-0758	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	86.69	29.32
23 09 23 00-0759	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	89.69	29.32
23 09 23 00-0760	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	90.52	29.32
23 09 23 00-0761	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	101.21	36.65
23 09 23 00-0762	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	128.06	36.65
23 09 23 00-0763	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	210.89	36.65
23 09 23 00-0764	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	209.70	36.65
23 09 23 00-0765		**Surge Protectors** *(23 09 23 00-0675)*		
23 09 23 00-0766	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	199.46	7.33
23 09 23 00-0767	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	151.66	7.33
23 09 23 00-0768	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	233.91	7.33
23 09 23 00-0769	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	128.33	7.33
23 09 23 00-0770	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	128.33	7.33
23 09 23 00-0771	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	128.33	7.33
23 09 23 00-0772	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	183.91	7.33
23 09 23 00-0773	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	114.99	7.33
23 09 23 00-0774		**Transformers** *(23 09 23 00-0675)*		
23 09 23 00-0775	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	100.42	29.32
23 09 23 00-0776	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	107.89	29.32
23 09 23 00-0777	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	107.89	29.32
23 09 23 00-0778	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	114.65	29.32
23 09 23 00-0779	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	118.82	29.32
23 09 23 00-0780		**Power Supplies** *(23 09 23 00-0675)*		
23 09 23 00-0781	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	142.44	29.32
23 09 23 00-0782	EA	AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	163.17	29.32
23 09 23 00-0783	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	153.83	29.32
23 09 23 00-0784	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	158.25	29.32
23 09 23 00-0785	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	154.31	29.32
23 09 23 00-0786	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	160.90	29.32
23 09 23 00-0787	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C)	124.63	29.32
23 09 23 00-0788		**Control Damper Actuators** *(23 09 23 00-0675)*		
23 09 23 00-0789	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	423.70	82.56
23 09 23 00-0790	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	458.19	82.56
23 09 23 00-0791	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	514.69	82.56
23 09 23 00-0792	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	541.68	82.56
23 09 23 00-0793	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	557.70	82.56
23 09 23 00-0794	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	620.69	82.56
23 09 23 00-0795		**Valves With Actuator** *(23 09 23 00-0675)*		
23 09 23 00-0796	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	458.09	11.94
23 09 23 00-0797	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	475.50	16.10
23 09 23 00-0798	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	521.30	19.49
23 09 23 00-0799	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	570.46	24.69
23 09 23 00-0800	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	649.97	28.49
23 09 23 00-0801	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	735.28	33.67
23 09 23 00-0802	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,377.19	67.34
23 09 23 00-0803	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,495.70	78.80
23 09 23 00-0804	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,023.26	115.75

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0805	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,974.69	167.28
23 09 23 00-0806	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,294.87	185.20
23 09 23 00-0807	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	495.21	17.92
23 09 23 00-0808	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	513.11	24.16
23 09 23 00-0809	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	557.34	29.24
23 09 23 00-0810	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	620.01	37.04
23 09 23 00-0811	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	794.10	42.74
23 09 23 00-0812	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	882.37	50.51
23 09 23 00-0813	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,564.04	101.02
23 09 23 00-0814	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,722.55	118.21
23 09 23 00-0815	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	2,507.44	173.63
23 09 23 00-0816	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	3,636.52	250.91
23 09 23 00-0817	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	4,042.12	277.80
23 09 23 00-0818	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	104.98	11.94
23 09 23 00-0819	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	123.81	16.10
23 09 23 00-0820	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	155.99	19.49
23 09 23 00-0821	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	128.36	17.92
23 09 23 00-0822	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	149.96	24.16
23 09 23 00-0823	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	187.58	29.24
23 09 23 00-0824	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	174.85	11.94
23 09 23 00-0825	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	207.25	16.10
23 09 23 00-0826	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	235.73	19.49
23 09 23 00-0827	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	306.72	24.69
23 09 23 00-0828	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	317.20	28.49
23 09 23 00-0829	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	404.15	33.67
23 09 23 00-0830	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	868.31	67.34
23 09 23 00-0831	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,019.46	78.80
23 09 23 00-0832	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	211.80	17.92
23 09 23 00-0833	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	244.87	24.16
23 09 23 00-0834	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	316.09	29.24
23 09 23 00-0835	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	448.57	37.04
23 09 23 00-0836	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	472.80	42.74
23 09 23 00-0837	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	626.73	50.51
23 09 23 00-0838	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	511.30	61.74
23 09 23 00-0839	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	536.85	67.34
23 09 23 00-0840	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	705.99	78.80
23 09 23 00-0841	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,077.66	132.29
23 09 23 00-0842	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,172.05	167.28
23 09 23 00-0843	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,291.34	185.20
23 09 23 00-0844	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,117.93	211.66
23 09 23 00-0845	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,825.44	259.28
23 09 23 00-0846	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,727.88	314.28
23 09 23 00-0847	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,253.14	370.40
23 09 23 00-0848	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	6,949.60	407.44
23 09 23 00-0849	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,423.95	452.63
23 09 23 00-0850	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	945.45	92.60
23 09 23 00-0851	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,113.96	101.02
23 09 23 00-0852	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,375.44	118.21
23 09 23 00-0853	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,762.96	198.42
23 09 23 00-0854	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,616.04	250.91
23 09 23 00-0855	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,743.25	277.80
23 09 23 00-0856	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,719.95	317.51
23 09 23 00-0857	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,248.86	388.92
23 09 23 00-0858	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	7,595.50	471.42
23 09 23 00-0859	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	11,859.61	555.60
23 09 23 00-0860	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	13,224.39	611.15
23 09 23 00-0861	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	20,363.28	678.95

23 09 23 00-0862 Valve Actuators *(23 09 23 00-0675)*

23 09 23 00-0863	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	359.02	76.51
23 09 23 00-0864	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	364.50	76.51
23 09 23 00-0865	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	396.88	76.51
23 09 23 00-0866	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	410.01	76.51
23 09 23 00-0867	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	418.00	76.51
23 09 23 00-0868	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	470.51	76.51
23 09 23 00-0869	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	484.32	76.51
23 09 23 00-0870	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	493.24	76.51
23 09 23 00-0871	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	514.74	76.51
23 09 23 00-0872	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	387.77	76.51
23 09 23 00-0873	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	432.90	76.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0874	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	444.50	76.51
23 09 23 00-0875	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	452.51	76.51
23 09 23 00-0876	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	455.51	76.51
23 09 23 00-0877	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	510.00	76.51
23 09 23 00-0878	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	533.50	76.51
23 09 23 00-0879	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	545.99	76.51
23 09 23 00-0880	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	543.50	76.51
23 09 23 00-0881	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	551.50	76.51
23 09 23 00-0882	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	550.99	76.51
23 09 23 00-0883	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	602.84	76.51
23 09 23 00-0884	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	733.98	76.51
23 09 23 00-0885	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	482.99	76.51
23 09 23 00-0886	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	579.01	76.51
23 09 23 00-0887	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,331.93	76.51
23 09 23 00-0888	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,495.91	76.51
23 09 23 00-0889	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	1,799.38	76.51
23 09 23 00-0890	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,040.86	76.51
23 09 23 00-0891	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	2,419.33	76.51
23 09 23 00-0892	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	2,853.30	76.51
23 09 23 00-0893	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	3,851.22	76.51
23 09 23 00-0894	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	4,705.63	76.51

23 09 23 00-0895 Rectangular Galvanized Volume Control Dampers *(23 09 23 00-0675)*

Note: Excludes actuators.

23 09 23 00-0896	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	136.03	30.98
23 09 23 00-0897	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	152.84	33.98
23 09 23 00-0898	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	170.63	37.48
23 09 23 00-0899	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	197.62	43.97
23 09 23 00-0900	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	223.61	49.96
23 09 23 00-0901	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	229.10	56.21
23 09 23 00-0902	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	277.78	62.45
23 09 23 00-0903	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	331.92	74.95
23 09 23 00-0904	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	421.66	87.44
23 09 23 00-0905	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	610.57	99.93
23 09 23 00-0906	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,083.03	112.42
23 09 23 00-0907	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	1,366.46	124.92

23 09 23 00-0908 Round Galvanized Control Dampers *(23 09 23 00-0675)*

Note: Excludes actuators.

23 09 23 00-0909	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	134.71	34.97
23 09 23 00-0910	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	139.76	37.48
23 09 23 00-0911	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	144.96	37.48
23 09 23 00-0912	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	161.37	42.47
23 09 23 00-0913	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	180.61	42.47
23 09 23 00-0914	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	197.94	49.96
23 09 23 00-0915	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	265.20	52.59
23 09 23 00-0916	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	276.98	54.52
23 09 23 00-0917	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	294.52	58.77
23 09 23 00-0918	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	312.35	63.03

23 09 23 00-0919 Remote Cable Control For Damper *(23 09 23 00-0675)*

23 09 23 00-0920	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Bowen 270-275B)	104.36	
		For Each 10' Flexible Casing And Wire, Add	*26.40*	
23 09 23 00-0921	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Bowen 270-301B)	109.76	
		For Each 10' Flexible Casing And Wire, Add	*26.40*	

23 09 23 00-0922 Peco Thermostats and Sensors *(23 09 23 00-0675)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0923	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	247.66	13.75
23 09 23 00-0924	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	223.35	13.75
23 09 23 00-0925	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	117.57	20.61
23 09 23 00-0926	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	115.46	20.61
23 09 23 00-0927	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	151.00	20.61
23 09 23 00-0928	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	135.31	20.61
23 09 23 00-0929	EA	Door Switch Occupancy Sensor (Peco SE200-001)	49.12	20.61
23 09 23 00-0930	EA	Window Switch Occupancy Sensor (Peco SE200-002)	46.19	20.61
23 09 23 00-0931	EA	Power Pack And Controller (Peco SF200-001)	76.25	20.61

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.51	1.63
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.06	1.75
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.32	1.90
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.36	2.01
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.11	2.11
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	17.22	2.19
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.52	2.34

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.02
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.02
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.92
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.92
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.94
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.66
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.66
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.96
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.38
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	251.95

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.11
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.92
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.92
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.94
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.94
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.43
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.43

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.49
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.25

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.87
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.92
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.64
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.71
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.55

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	277.30	
	23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	462.58	
23 11 23 00-0041			Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.38	
	23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.67	
	23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	131.58	
	23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	229.29	
	23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	246.69	
	23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	283.76	
23 11 23 00-0048			Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.93	
	23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.94	
	23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.89	
	23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.14	
	23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.90	
23 11 23 00-0054			Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.47	
	23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.33	
	23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.07	
	23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.15	
	23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.15	
23 11 23 00-0060			Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.57	
	23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.90	
	23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.72	
	23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.55	
	23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.28	
	23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.17	
	23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	182.39	
23 11 23 00-0068			Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.00	
	23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.26	
	23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.78	
	23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	121.51	
	23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	125.47	
	23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	175.47	
	23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	223.45	
23 11 23 00-0076			Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
	23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.44	
	23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.18	
	23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.60	
	23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.89	
	23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	176.09	
	23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	282.50	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.77	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.43	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.80	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.91	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.06	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.16	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.00	
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.23	17.04
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.51	17.89
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.78	14.91
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.04	17.72
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.47	21.31
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.38	28.46
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.21	17.72
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.29	21.31
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	76.85	17.72
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.94	21.31
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.34	53.26
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	75.77	17.72
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	75.77	17.72
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.51	17.72
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.60	21.31
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.60	21.31
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	130.80	28.46
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.42	31.95
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.54	17.72
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	269.40	21.31
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	664.16	31.95
23 11 23 00-0116		Gas Stops *(23 11 23)*		
23 11 23 00-0117		Brass Gas Stops *(23 11 23 00-0116)*		
		Note: Flat or square head		
23 11 23 00-0118	EA	3/8" Brass Gas Stop	38.56	9.25
23 11 23 00-0119	EA	1/2" Brass Gas Stop	37.64	9.25
23 11 23 00-0120	EA	3/4" Brass Gas Stop	49.80	10.18
23 11 23 00-0121	EA	1" Brass Gas Stop	67.12	11.57
23 11 23 00-0122	EA	1-1/4" Brass Gas Stop	88.16	12.31
23 11 23 00-0123	EA	1-1/2" Brass Gas Stop	108.65	14.25
23 11 23 00-0124	EA	2" Brass Gas Stop	145.32	16.85
23 11 23 00-0125		Iron Body Gas Stops *(23 11 23 00-0116)*		
23 11 23 00-0126	EA	1/2" Iron Body Gas Stop	46.91	9.25
23 11 23 00-0127	EA	3/4" Iron Body Gas Stop	58.93	10.18
23 11 23 00-0128	EA	1" Iron Body Gas Stop	72.62	11.57
23 11 23 00-0129	EA	1-1/4" Iron Body Gas Stop	93.50	12.31
23 11 23 00-0130	EA	1-1/2" Iron Body Gas Stop	115.36	14.25
23 11 23 00-0131	EA	2" Iron Body Gas Stop	146.84	16.85
23 11 23 00-0132	EA	2-1/2" Iron Body Gas Stop	266.58	22.75
23 11 23 00-0133	EA	3" Iron Body Gas Stop	349.91	26.42

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0134		Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*		
23 11 23 00-0135	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	101.91	9.25
23 11 23 00-0136	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	118.23	9.25
23 11 23 00-0137	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	151.38	10.18
23 11 23 00-0138	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	222.79	11.57
23 11 23 00-0139	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	392.56	14.25
23 11 23 00-0140	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	654.50	16.85
23 11 23 00-0141	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	814.27	22.75
23 11 23 00-0142	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,212.18	26.42
23 11 33		**Facility Fiberglass Reinforced Piping** *(23 11)*		
23 11 33 00-0001		Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 33)*		
23 11 33 00-0002		Fiberglass Reinforced Plastic Pipe *(23 11 33 00-0001)*		
		Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 33 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	15.96	6.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.87*	
23 11 33 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	19.12	7.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-8.24*	
23 11 33 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	25.54	10.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.14*	
23 11 33 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	29.89	12.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.68*	
23 11 33 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	34.82	13.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.65*	
23 11 33 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	46.54	16.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.15*	
23 11 33 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	61.45	19.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.64*	
23 11 33 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	70.08	24.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.22*	
23 11 33 00-0011		Fiberglass Reinforced Plastic Fittings *(23 11 33 00-0001)*		
23 11 33 00-0012		Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 33 00-0011)*		
23 11 33 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	125.43	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	148.27	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	177.00	85.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.79*	
23 11 33 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	212.21	95.55
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.41*	
23 11 33 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	254.76	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	361.79	133.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.68*	
23 11 33 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	463.14	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	541.05	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	
23 11 33 00-0021		Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 33 00-0011)*		
23 11 33 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	125.69	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	148.35	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	177.26	85.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.86*	
23 11 33 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	220.80	101.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-111.83*	
23 11 33 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	254.67	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	361.79	133.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.68*	
23 11 33 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	420.40	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	541.05	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	
23 11 33 00-0030		Fiberglass Reinforced Plastic Flanged Tees *(23 11 33 00-0011)*		
23 11 33 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	174.52	91.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-103.07*	
23 11 33 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	212.71	110.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-124.13*	
23 11 33 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	244.48	127.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-143.81*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	296.39	151.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.82*	
23 11 33 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	334.47	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	417.70	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	
23 11 33 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	586.07	242.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-272.21*	
23 11 33 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	752.52	294.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-330.92*	

23 11 33 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 33 00-0011)*

23 11 33 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	199.63	91.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-103.07*	
23 11 33 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	248.44	110.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-123.98*	
23 11 33 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	290.10	127.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-143.79*	
23 11 33 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	335.26	151.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.82*	
23 11 33 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	366.57	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	468.45	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	
23 11 33 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	650.08	242.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-272.21*	
23 11 33 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	822.30	294.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-330.92*	

23 11 33 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 33 00-0011)*

23 11 33 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	123.05	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	153.28	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	173.19	85.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.86*	
23 11 33 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	201.55	101.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-111.83*	
23 11 33 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	220.22	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	283.84	133.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.68*	
23 11 33 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	352.35	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	459.96	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	

23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 33 00-0011)*

23 11 33 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	111.83	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	131.85	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	151.78	85.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.86*	
23 11 33 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	180.58	101.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-111.83*	
23 11 33 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	199.70	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	227.30	133.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.68*	
23 11 33 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	279.88	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	382.49	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	

23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 33 00-0011)*

23 11 33 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	16.57	7.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-8.24*	
23 11 33 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	33.09	14.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.45*	
23 11 33 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	41.26	11.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.66*	
23 11 33 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	49.80	15.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.89*	
23 11 33 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	42.94	10.69
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.06*	
23 11 33 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	55.10	16.08
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	66.00	18.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.89*	
23 11 33 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	76.90	19.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.72*	
23 11 33 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	53.84	22.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.31*	
23 11 33 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	74.97	32.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.14*	
23 11 33 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	74.41	22.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.73*	
23 11 33 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	111.61	34.24
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-38.53*	
23 11 33 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	83.56	23.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.54*	
23 11 33 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	114.17	35.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-39.80*	

23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 33 00-0011)*

23 11 33 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	96.74	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	116.19	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	134.84	85.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.86*	
23 11 33 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	158.82	101.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-111.83*	
23 11 33 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	173.13	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	219.09	133.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.68*	
23 11 33 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	269.65	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	332.69	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	

23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 33 00-0011)*

23 11 33 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	97.39	61.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.72*	
23 11 33 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	117.04	73.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.46*	
23 11 33 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	129.92	80.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.25*	
23 11 33 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	153.50	95.55
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.48*	
23 11 33 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	176.85	107.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.55*	
23 11 33 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	214.23	128.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-144.25*	
23 11 33 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	275.44	161.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.47*	
23 11 33 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	355.83	200.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-225.03*	

23 11 33 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 33)*

23 11 33 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 33 00-0099)*

23 11 33 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	55.49	26.33
23 11 33 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	65.95	31.19
23 11 33 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	91.09	46.01
23 11 33 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	122.44	59.65
23 11 33 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	156.43	69.12
23 11 33 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	199.92	81.97
23 11 33 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	253.97	103.43

23 11 33 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 33 00-0099)*

23 11 33 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 33 00-0108)*

23 11 33 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	828.96	325.83
23 11 33 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	972.25	391.09
23 11 33 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,177.75	454.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,804.05	571.65
23 11 33 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,691.85	714.70
23 11 33 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,516.65	859.85
23 11 33 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	4,605.05	1,064.79
23 11 33 00-0117		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows** *(23 11 33 00-0108)*		
23 11 33 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	829.70	325.83
23 11 33 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	970.95	391.09
23 11 33 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,176.74	454.48
23 11 33 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,798.05	571.65
23 11 33 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,683.16	714.70
23 11 33 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,505.29	860.25
23 11 33 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	4,592.54	1,067.20
23 11 33 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 33 00-0108)*		
23 11 33 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,193.33	488.74
23 11 33 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,469.17	589.03
23 11 33 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,677.44	682.08
23 11 33 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,439.02	860.65
23 11 33 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,061.01	1,067.20
23 11 33 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,703.61	1,289.50
23 11 33 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	6,209.25	1,563.47
23 11 33 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 33 00-0108)*		
23 11 33 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,505.08	488.74
23 11 33 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,914.27	588.34
23 11 33 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,244.23	682.08
23 11 33 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,837.49	860.65
23 11 33 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,691.17	1,067.20
23 11 33 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,498.45	1,289.50
23 11 33 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,075.67	1,563.47
23 11 33 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 33 00-0108)*		
23 11 33 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	878.71	325.83
23 11 33 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,124.38	391.09
23 11 33 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,244.88	454.48
23 11 33 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,595.76	571.65
23 11 33 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,101.23	714.70
23 11 33 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,659.78	859.85
23 11 33 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,582.08	1,064.79
23 11 33 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 33 00-0108)*		
23 11 33 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	739.39	325.83
23 11 33 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	858.31	391.09
23 11 33 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	979.06	454.48
23 11 33 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,340.97	571.65
23 11 33 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,399.23	714.70

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,759.95	859.85
23 11 33 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,620.16	1,064.79

23 11 33 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 33 00-0108)*

23 11 33 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	127.91	39.11
23 11 33 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	255.52	78.05
23 11 33 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	392.76	59.98
23 11 33 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	458.82	80.13
23 11 33 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	419.29	57.14
23 11 33 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	513.43	85.75
23 11 33 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	749.73	103.03
23 11 33 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	429.43	120.07
23 11 33 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	589.53	171.42
23 11 33 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	680.98	121.99
23 11 33 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,021.88	182.75
23 11 33 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	786.75	125.85
23 11 33 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,041.79	188.79

23 11 33 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 33 00-0108)*

23 11 33 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	760.82	428.04
23 11 33 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,057.19	571.65
23 11 33 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,297.82	684.24
23 11 33 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,704.79	859.85
23 11 33 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,289.17	1,064.79

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	875.01	247.21
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	935.44	299.22
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,036.81	355.47

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	990.09	247.21
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,049.85	299.22
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,109.45	355.47

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	677.50	138.52
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	790.23	155.15
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	867.50	173.90
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	951.61	196.07
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,291.41	218.23
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,560.91	244.23
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,732.26	273.64
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,089.51	306.03
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,448.60	343.12
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	2,742.13	384.88
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	3,074.26	431.43

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	742.26	127.87
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	875.79	142.78
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	976.27	149.18
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,100.69	155.57
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,236.84	159.84

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks *(23 13 13 13)*			
		Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.			
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		8,755.82	571.34
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		9,441.14	571.34
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		13,597.64	714.12
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		18,791.33	1,394.85
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		29,747.12	1,793.28
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		33,164.33	2,059.64
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		36,003.58	2,723.26
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		37,274.49	2,923.90
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		45,446.12	3,454.22
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		52,626.34	3,984.19
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		67,030.45	4,381.38
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		79,514.13	5,319.69
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		82,193.85	5,645.57
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		101,675.00	8,955.05
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		125,200.68	11,612.51
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		147,354.66	13,286.83
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		188,380.50	14,283.34
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars		253,298.98	14,649.62
23 13 13 23		**Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*			
23 13 13 23-0001		Underground Fiberglass Storage Tanks *(23 13 13 23)*			
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*			
		Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.			
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		2,956.87	571.34
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		3,713.65	714.12
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		4,827.72	883.57
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		5,492.50	1,076.23
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		6,153.18	1,262.25
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		7,501.55	1,660.86
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		9,014.28	2,524.50
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		10,238.23	3,188.84
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		12,247.84	3,587.44
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		13,820.05	4,251.79
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		17,739.63	5,049.00
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		21,837.00	6,311.25
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		27,616.48	8,437.13
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		40,991.23	10,496.59
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		50,175.77	12,622.49
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		71,716.40	18,269.39
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps		101,729.79	23,251.96
23 13 13 23-0020		Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*			
		Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.			
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		5,640.73	571.34
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		7,429.31	714.12
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		8,908.46	863.64
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		11,602.14	1,262.34
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		13,064.03	1,660.86
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		15,129.22	2,524.50
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		16,898.07	3,188.84
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		20,724.00	3,587.44
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		22,296.21	4,251.79
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		26,972.59	5,049.00
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		37,010.84	6,311.25
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		45,931.04	8,437.13
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps		70,912.09	12,622.49
23 13 13 23-0034		Underground Storage Tank Pump Enclosures *(23 13 13 23)*			
23 13 13 23-0035	EA	Secondary Containment Collar		681.29	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter		681.29	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure		136.26	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical		272.52	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit		340.64	
23 13 23		**Facility Aboveground Fuel-Oil, Storage Tanks** *(23 13)*			
23 13 23 13		**Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*			

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0001		**Rectangle Double Wall Steel Fuel Day Tank** *(23 13 23 13)* Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,011.73	111.12
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,086.75	116.67
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,179.86	125.01
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,356.66	133.35
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,513.89	138.90
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,784.39	166.68
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,404.62	194.46
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,045.79	222.24
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,911.13	250.02
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,359.49	277.80
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,987.17	333.36
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,584.95	388.92
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,200.68	444.48
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,883.70	472.26
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,571.19	500.04
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,352.85	527.82
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,035.86	555.59
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,058.06	666.72
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,848.64	722.28
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,902.22	833.40
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,960.28	944.51
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,229.95	111.12
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,306.46	116.67
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,399.57	125.01
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,574.88	133.35
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,732.11	138.90
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,004.10	166.68
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,645.26	194.46
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,286.42	222.24
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,151.77	250.02
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,600.13	277.80
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,227.80	333.36
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,825.59	388.92
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,441.32	444.48
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,124.33	472.26
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,811.83	500.04
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,594.98	527.82
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,277.99	555.59
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,298.69	666.72
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,089.27	722.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,142.85	833.40
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,200.92	944.51
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,056.48	111.12
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,124.03	116.67
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,184.25	125.01
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,419.35	133.35
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,507.82	138.90
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,769.35	166.68
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,334.28	194.46
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,211.60	222.24
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,736.17	250.02
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,197.89	277.80
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,001.93	333.36
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,483.13	388.92
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,140.71	444.48
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,792.34	472.26
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,653.21	500.04
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,008.90	527.82
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,327.22	555.59
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,808.27	666.72
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,252.00	722.28
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,822.72	833.40
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,418.86	944.51
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,042.93	111.12
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,110.48	116.67
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,170.71	125.01
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,405.80	133.35
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,494.28	138.90
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,755.80	166.68
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,320.74	194.46
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,198.05	222.24
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,788.39	250.02
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,840.58	277.80
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,644.62	333.36
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,127.32	388.92
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,783.40	444.48
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,436.52	472.26
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,295.90	500.04
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,651.59	527.82
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,969.91	555.59
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,450.96	666.72
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,896.19	722.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,465.42	833.40
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,061.55	944.51
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,594.45	111.12
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,669.47	116.67
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,731.19	125.01
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,973.76	133.35
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,104.09	138.90
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,341.70	166.68
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,929.06	194.46
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,848.22	222.24
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,392.22	250.02
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,910.73	277.80
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,756.62	333.36
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,191.50	388.92
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,938.75	444.48
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,727.88	472.26
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,521.50	500.04
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,920.53	527.82
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,216.44	555.59
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,764.74	666.72
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,278.72	722.28
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,919.69	833.40
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,583.08	944.51
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,580.91	111.12
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,655.93	116.67
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,717.65	125.01
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,960.22	133.35
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,090.54	138.90
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,325.17	166.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,915.51	194.46
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,834.67	222.24
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,378.68	250.02
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,553.42	277.80
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,399.32	333.36
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,983.65	388.92
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,581.44	444.48
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,370.58	472.26
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,164.19	500.04
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,563.22	527.82
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,860.62	555.59
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,407.43	666.72
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,921.41	722.28
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,562.38	833.40
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,225.77	944.51
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,001.99	111.12
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,086.22	116.67
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,179.02	125.01
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,348.77	133.35
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,797.99	138.90
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	1,844.29	166.68
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,320.69	194.46
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	2,874.02	222.24
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	3,780.50	250.02
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	4,754.07	277.80
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	5,706.86	333.36
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,128.94	388.92
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	6,553.00	444.48
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	7,197.09	472.26
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	7,843.15	500.04
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	8,404.40	527.82
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	8,971.53	555.59
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	10,147.14	666.72
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	11,265.64	722.28
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	12,508.32	833.40
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	13,707.60	944.51
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,056.62	116.67
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,149.65	125.01
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,246.84	133.35
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,420.62	138.90
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,931.32	166.68
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	1,977.62	194.46
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,477.91	222.24
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,059.41	250.02
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,013.68	277.80
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,038.77	305.58
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,039.34	361.13
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,479.73	416.69
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	6,922.20	472.26
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	7,599.50	500.04
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,278.89	527.82
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	8,868.74	555.59
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	9,511.11	611.15
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	10,741.72	722.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,009.83	833.40
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	13,311.26	944.51
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	14,566.87	1,055.63
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,157.85	111.12
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,261.81	116.67
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,366.45	125.01
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,575.66	133.35
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,109.71	138.90
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,156.01	166.68
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,703.43	194.46
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,349.50	222.24
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	4,417.22	250.02
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	5,614.26	277.80
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	6,742.64	333.36
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	7,225.88	388.92
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	7,713.07	444.48
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	8,481.46	472.26
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	9,251.81	500.04
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	9,905.77	527.82
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	10,575.51	555.59
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	11,958.27	666.72
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	13,285.90	722.28
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	14,735.74	833.40
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	16,142.17	944.51
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,221.14	116.67
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,334.99	125.01
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,444.68	133.35
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,660.11	138.90
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,260.36	166.68
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,306.66	194.46
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,881.92	222.24
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,561.29	250.02
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	4,685.77	277.80
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	5,946.74	305.58
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,132.67	361.13
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	7,637.61	416.69
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,146.72	472.26
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	8,955.22	500.04
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	9,765.80	527.82
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	10,453.52	555.59
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	11,204.19	611.15
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	12,653.47	722.28
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	14,142.33	833.40
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	15,662.42	944.51
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	17,136.70	1,055.63

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,869.55	603.94
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,451.94	731.07
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,635.66	984.06
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,975.21	1,230.07
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	7,252.81	1,632.42
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,605.78	1,680.43
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,264.35	2,077.62
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	20,761.68	2,380.56
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	24,643.44	2,596.95
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	28,539.69	2,856.67
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	31,598.57	3,174.05
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	39,518.72	4,080.92
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	53,639.53	4,761.11

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,461.69	753.58
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,364.15	911.92
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	7,205.72	1,230.07
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,309.64	1,537.59
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,178.34	2,040.51
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	16,764.73	2,100.47
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	24,317.47	2,587.57

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	33,356.84	2,975.72
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	39,728.96	3,246.24
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,099.71	3,570.79
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	51,034.04	3,967.63
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,759.71	5,101.16
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	87,003.27	5,951.35

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	3,135.51	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	3,790.45	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	8,227.32	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	9,021.49	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	12,795.28	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	14,334.31	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	18,910.38	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	22,201.41	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	25,213.87	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	30,706.93	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	39,294.37	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	17,605.97	1,235.58
		For Low Profile Tanks, Add	*6,352.76*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	22,121.86	1,394.85
		For Low Profile Tanks, Add	*8,070.22*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	38,986.97	1,660.86
		For Low Profile Tanks, Add	*14,667.80*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	62,103.47	3,653.08
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	70,878.16	3,989.77
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	79,724.50	4,308.65
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	88,551.65	4,675.46
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	97,372.93	4,976.80

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	587.58	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	600.98	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	1,628.66	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	1,923.91	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	99.15	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	252.93	
23 13 33 00-0008	EA	Manhole Spill Containment	955.41	215.52
23 13 33 00-0009	EA	Fill Adapter, 4"	234.72	143.71
23 13 33 00-0010	EA	Fill Cap, 4"	156.11	53.88
23 13 33 00-0011	EA	Vent Cap, 2"	96.39	35.95
23 13 33 00-0012	EA	4" X 2" Extractor Fitting	276.78	53.88
23 13 33 00-0013	EA	Float Vent Valve	274.87	107.76
23 13 33 00-0014	EA	Vapor Hose Adapter	279.85	71.82
23 13 33 00-0015	EA	Dust Cap	126.72	39.22
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	255.77	61.55
23 13 33 00-0017	EA	10' Wood Gage Stick	19.30	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	94.69	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	124.51	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	56.31	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	73.55	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	110.94	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	523.75	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,119.01	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,319.98	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,440.73	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,580.91	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,235.68	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	2,750.84	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	3,046.95	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	3,732.01	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	4,409.79	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	4,936.50	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	5,696.01	
23 13 33 00-0035		Tank Bulkhead Fittings *(23 13 33)*		
23 13 33 00-0036		Tank Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	36.86	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	41.19	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	45.28	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	54.54	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	56.40	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	73.73	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	115.97	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	201.73	
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	42.71	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	47.02	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	51.34	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	63.97	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	68.29	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	84.50	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	130.33	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	222.12	
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	44.04	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	50.84	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	57.40	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	74.11	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	96.60	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	149.85	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	234.25	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	51.46	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	60.71	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	74.66	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	90.88	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	92.73	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	132.25	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	235.95	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	420.38	
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	45.45	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	58.45	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	60.31	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	62.16	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	86.28	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	108.86	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	191.98	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	219.46	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	269.69	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	310.90	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	358.19	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	451.04	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	585.78	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	647.16	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	196.87	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	197.23	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	287.54	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	293.60	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	395.69	

23 20 HVAC Piping And Pumps *(23)*

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

23 21 Hydronic Piping And Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

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

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

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

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.66	3.41
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.40*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.81	3.66
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.73*	
		For Work In Restricted Working Space, Add	*3.68*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	17.19	4.01
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.12*	
		For Work In Restricted Working Space, Add	*3.88*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	20.15	4.18
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.02*	
		For Work In Restricted Working Space, Add	*4.19*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.12	4.94
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.34*	
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.94	5.97
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.43*	
		For Work In Restricted Working Space, Add	*4.79*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.77	7.07
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.71*	
		For Work In Restricted Working Space, Add	*5.94*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	45.15	9.46
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*12.38*	
		For Work In Restricted Working Space, Add	*7.27*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	62.14	10.69
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*18.25*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	101.85	13.66
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*31.76*	
		For Work In Restricted Working Space, Add	*9.20*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	120.00	16.16
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*37.64*	
		For Work In Restricted Working Space, Add	*10.42*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

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

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	5.19	2.13
		For Schedule 80 Pipe, Add	*0.83*	
		For Work In Restricted Working Space, Add	*1.29*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.63	3.41
		For Schedule 80 Pipe, Add	*1.18*	
		For Work In Restricted Working Space, Add	*1.55*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	7.40	3.66
		For Schedule 80 Pipe, Add	*1.41*	
		For Work In Restricted Working Space, Add	*1.65*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.50	4.01
		For Schedule 80 Pipe, Add	*1.74*	
		For Work In Restricted Working Space, Add	*1.79*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.71	4.18
		For Schedule 80 Pipe, Add	*2.16*	
		For Work In Restricted Working Space, Add	*1.89*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.48	4.94
		For Schedule 80 Pipe, Add	*2.57*	
		For Work In Restricted Working Space, Add	*2.22*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.30	5.97
		For Schedule 80 Pipe, Add	*3.30*	
		For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	19.07	7.07
		For Schedule 80 Pipe, Add	*4.85*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	25.22	9.46
		For Schedule 80 Pipe, Add	*6.38*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	32.55	10.69
		For Schedule 80 Pipe, Add	*9.02*	
		For Work In Restricted Working Space, Add	*4.82*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	42.35	13.66
		For Schedule 80 Pipe, Add	*11.90*	
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	53.07	16.16
		For Schedule 80 Pipe, Add	*15.41*	
		For Work In Restricted Working Space, Add	*7.26*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	72.04	19.53
		For Schedule 80 Pipe, Add	*22.19*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	96.33	23.79
		For Schedule 80 Pipe, Add	*30.85*	
		For Work In Restricted Working Space, Add	*10.72*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	128.38	31.27
		For Schedule 80 Pipe, Add	*41.36*	
		For Work In Restricted Working Space, Add	*14.06*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow	23.77	9.46
		For 300 LB Rating, Add	*12.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	26.08	15.17
		For 300 LB Rating, Add	*9.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow	29.48	16.96
		For 300 LB Rating, Add	*11.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.63*	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow	35.42	18.92
		For 300 LB Rating, Add	*18.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	43.74	21.48
		For 300 LB Rating, Add	*29.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.19*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	51.50	24.19
		For 300 LB Rating, Add	*38.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow	72.34	30.76
		For 300 LB Rating, Add	*65.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	126.72	45.50
		For 300 LB Rating, Add	*144.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.94*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow	175.38	59.82
		For 300 LB Rating, Add	*211.04*	
		For Standard Weight Cast Iron Fittings, Add	*1.37*	
		For Work In Restricted Working Space, Add	*26.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow	277.81	62.52
		For 300 LB Rating, Add	*447.35*	
		For Standard Weight Cast Iron Fittings, Add	*2.94*	
		For Work In Restricted Working Space, Add	*28.13*	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow	635.66	65.26
		For 300 LB Rating, Add	*1,296.64*	
		For Standard Weight Cast Iron Fittings, Add	*8.61*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow	723.54	68.23
		For 300 LB Rating, Add	*1,497.14*	
		For Standard Weight Cast Iron Fittings, Add	*9.94*	
		For Work In Restricted Working Space, Add	*30.69*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	27.20	13.89
		For 300 LB Rating, Add	*16.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.25*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	30.65	16.02
		For 300 LB Rating, Add	*17.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.22*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	31.38	14.82
		For 300 LB Rating, Add	*23.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*6.66*	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	35.36	17.97
		For 300 LB Rating, Add	*21.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.08*	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.67	17.04
		For 300 LB Rating, Add	*23.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*7.67*	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	41.60	15.76
		For 300 LB Rating, Add	*44.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*7.10*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.46	20.20
		For 300 LB Rating, Add	*35.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*9.08*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.62	19.17
		For 300 LB Rating, Add	*39.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	45.93	18.32
		For 300 LB Rating, Add	*46.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*8.23*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	54.22	22.83
		For 300 LB Rating, Add	*50.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*10.26*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.34	21.56
		For 300 LB Rating, Add	*49.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	53.76	20.53
		For 300 LB Rating, Add	*56.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.37*	
		For Work In Restricted Working Space, Add	*9.26*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	70.15	27.43
		For 300 LB Rating, Add	*72.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.46*	
		For Work In Restricted Working Space, Add	*12.35*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	72.06	26.08
		For 300 LB Rating, Add	*81.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.53*	
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	70.19	24.80
		For 300 LB Rating, Add	*81.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.53*	
		For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	70.70	23.86
		For 300 LB Rating, Add	*86.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*10.73*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	136.70	38.09
		For 300 LB Rating, Add	*194.44*	
		For Standard Weight Cast Iron Fittings, Add	*1.27*	
		For Work In Restricted Working Space, Add	*17.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	136.49	34.85
		For 300 LB Rating, Add	*205.40*	
		For Standard Weight Cast Iron Fittings, Add	*1.35*	
		For Work In Restricted Working Space, Add	*15.66*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	227.89	52.65
		For 300 LB Rating, Add	*362.24*	
		For Standard Weight Cast Iron Fittings, Add	*2.38*	
		For Work In Restricted Working Space, Add	*23.68*	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	196.54	45.25
		For 300 LB Rating, Add	*312.88*	
		For Standard Weight Cast Iron Fittings, Add	*2.06*	
		For Work In Restricted Working Space, Add	*20.36*	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	343.76	59.47
		For 300 LB Rating, Add	*616.32*	
		For Standard Weight Cast Iron Fittings, Add	*4.07*	
		For Work In Restricted Working Space, Add	*26.76*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	26.22	9.46
		For 300 LB Rating, Add	*18.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	28.26	15.17
		For 300 LB Rating, Add	*14.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	32.28	16.96
		For 300 LB Rating, Add	*17.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.63*	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow	37.02	18.92
		For 300 LB Rating, Add	*22.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	47.40	21.48
		For 300 LB Rating, Add	*38.53*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	55.13	24.19
		For 300 LB Rating, Add	*47.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow	74.59	30.76
		For 300 LB Rating, Add	*71.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.46*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	150.73	45.50
		For 300 LB Rating, Add	*202.26*	
		For Standard Weight Cast Iron Fittings, Add	*1.32*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow	196.94	59.82
		For 300 LB Rating, Add	*262.78*	
		For Standard Weight Cast Iron Fittings, Add	*1.72*	
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow	304.07	62.52
		For 300 LB Rating, Add	*510.37*	
		For Standard Weight Cast Iron Fittings, Add	*3.36*	
		For Work In Restricted Working Space, Add	*28.13*	
23 21 13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow	928.59	65.26
		For 300 LB Rating, Add	*1,999.67*	
		For Standard Weight Cast Iron Fittings, Add	*13.29*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow	952.24	68.23
		For 300 LB Rating, Add	*2,046.02*	
		For Standard Weight Cast Iron Fittings, Add	*13.60*	
		For Work In Restricted Working Space, Add	*30.69*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee	30.69	11.85
		For 300 LB Rating, Add	*18.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.10*	
23 21 13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee	32.89	18.92
		For 300 LB Rating, Add	*12.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee	39.20	21.90
		For 300 LB Rating, Add	*17.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee	49.75	25.81
		For 300 LB Rating, Add	*28.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*11.62*	
23 21 13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee	63.89	30.76
		For 300 LB Rating, Add	*45.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee	77.16	36.64
		For 300 LB Rating, Add	*56.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee	105.98	45.50
		For 300 LB Rating, Add	*94.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.61*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee	171.23	59.82
		For 300 LB Rating, Add	*201.08*	
		For Standard Weight Cast Iron Fittings, Add	*1.30*	
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee	226.61	71.06
		For 300 LB Rating, Add	*294.63*	
		For Standard Weight Cast Iron Fittings, Add	*1.92*	
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee	408.74	79.00
		For 300 LB Rating, Add	*703.83*	
		For Standard Weight Cast Iron Fittings, Add	*4.64*	
		For Work In Restricted Working Space, Add	*35.53*	
23 21 13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee	1,020.33	93.79
		For 300 LB Rating, Add	*2,119.69*	
		For Standard Weight Cast Iron Fittings, Add	*14.08*	
		For Work In Restricted Working Space, Add	*42.19*	
23 21 13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee	1,104.80	107.21
		For 300 LB Rating, Add	*2,275.41*	
		For Standard Weight Cast Iron Fittings, Add	*15.11*	
		For Work In Restricted Working Space, Add	*48.22*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee	36.03	18.92
		For 300 LB Rating, Add	*20.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee	42.72	21.90
		For 300 LB Rating, Add	*25.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*9.83*	
23 21 13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee	51.28	25.81
		For 300 LB Rating, Add	*32.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*11.62*	
23 21 13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee	70.73	30.76
		For 300 LB Rating, Add	*62.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee	82.31	36.64
		For 300 LB Rating, Add	*68.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.44*	
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee	107.86	45.50
		For 300 LB Rating, Add	*99.37*	
		For Standard Weight Cast Iron Fittings, Add	*0.64*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee	213.38	59.82
		For 300 LB Rating, Add	*302.24*	
		For Standard Weight Cast Iron Fittings, Add	*1.98*	
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee	248.18	71.06
		For 300 LB Rating, Add	*346.40*	
		For Standard Weight Cast Iron Fittings, Add	*2.27*	
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee	462.01	79.00
		For 300 LB Rating, Add	*831.67*	
		For Standard Weight Cast Iron Fittings, Add	*5.50*	
		For Work In Restricted Working Space, Add	*35.53*	
23 21 13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee	937.55	93.79
		For 300 LB Rating, Add	*1,921.02*	
		For Standard Weight Cast Iron Fittings, Add	*12.75*	
		For Work In Restricted Working Space, Add	*42.19*	
23 21 13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee	1,064.61	107.21
		For 300 LB Rating, Add	*2,178.96*	
		For Standard Weight Cast Iron Fittings, Add	*14.46*	
		For Work In Restricted Working Space, Add	*48.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0104		**Black Malleable Iron Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling	24.95	9.46
		For 300 LB Rating, Add	*15.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling	27.36	15.17
		For 300 LB Rating, Add	*12.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling	30.86	16.96
		For 300 LB Rating, Add	*14.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.63*	
23 21 13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling	36.53	18.92
		For 300 LB Rating, Add	*21.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling	42.68	21.48
		For 300 LB Rating, Add	*27.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling	50.48	24.19
		For 300 LB Rating, Add	*36.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling	67.14	30.76
		For 300 LB Rating, Add	*53.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.34*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling	126.34	45.50
		For 300 LB Rating, Add	*143.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.93*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling	168.35	59.82
		For 300 LB Rating, Add	*194.17*	
		For Standard Weight Cast Iron Fittings, Add	*1.26*	
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling	252.18	62.52
		For 300 LB Rating, Add	*385.83*	
		For Standard Weight Cast Iron Fittings, Add	*2.53*	
		For Work In Restricted Working Space, Add	*28.13*	
23 21 13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling	543.91	65.26
		For 300 LB Rating, Add	*1,076.44*	
		For Standard Weight Cast Iron Fittings, Add	*7.14*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling	610.48	68.23
		For 300 LB Rating, Add	*1,225.79*	
		For Standard Weight Cast Iron Fittings, Add	*8.13*	
		For Work In Restricted Working Space, Add	*30.69*	
23 21 13 23-0117		**Black Malleable Iron Reducing Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling	28.48	15.17
		For 300 LB Rating, Add	*15.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling	31.52	16.96
		For 300 LB Rating, Add	*16.14*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.63*	
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling	37.89	18.92
		For 300 LB Rating, Add	*24.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling	44.35	21.48
		For 300 LB Rating, Add	*31.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling	51.68	24.19
		For 300 LB Rating, Add	*39.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling	68.39	30.76
		For 300 LB Rating, Add	*56.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling	134.19	45.50
		For 300 LB Rating, Add	*162.56*	
		For Standard Weight Cast Iron Fittings, Add	*1.06*	
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling	169.96	59.82
		For 300 LB Rating, Add	*198.03*	
		For Standard Weight Cast Iron Fittings, Add	*1.28*	
		For Work In Restricted Working Space, Add	*26.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling	254.65	62.52
		For 300 LB Rating, Add	*391.76*	
		For Standard Weight Cast Iron Fittings, Add	*2.57*	
		For Work In Restricted Working Space, Add	*28.13*	
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling	459.47	65.26
		For 300 LB Rating, Add	*873.78*	
		For Standard Weight Cast Iron Fittings, Add	*5.79*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling	566.77	68.23
		For 300 LB Rating, Add	*1,120.89*	
		For Standard Weight Cast Iron Fittings, Add	*7.43*	
		For Work In Restricted Working Space, Add	*30.69*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap	14.04	7.07
		For 300 LB Rating, Add	*8.78*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap	15.95	7.59
		For 300 LB Rating, Add	*11.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap	18.66	8.78
		For 300 LB Rating, Add	*14.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap	21.51	9.46
		For 300 LB Rating, Add	*18.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap	24.25	9.46
		For 300 LB Rating, Add	*24.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap	33.01	12.19
		For 300 LB Rating, Add	*36.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap	56.40	15.17
		For 300 LB Rating, Add	*82.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap	77.14	18.32
		For 300 LB Rating, Add	*120.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.79*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap	117.30	21.46
		For 300 LB Rating, Add	*206.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.36*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap	243.14	26.84
		For 300 LB Rating, Add	*489.51*	
		For Standard Weight Cast Iron Fittings, Add	*3.25*	
		For Work In Restricted Working Space, Add	*12.05*	
23 21 13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap	419.93	31.90
		For 300 LB Rating, Add	*895.79*	
		For Standard Weight Cast Iron Fittings, Add	*5.95*	
		For Work In Restricted Working Space, Add	*14.36*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union	35.19	9.46
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union	43.11	18.92
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union	49.68	21.90
		For Work In Restricted Working Space, Add	*9.83*	
23 21 13 23-0145	EA	1", 150 LB, Black Malleable Iron Union	60.78	25.81
		For Work In Restricted Working Space, Add	*11.62*	
23 21 13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union	77.68	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union	94.40	36.64
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0148	EA	2", 150 LB, Black Malleable Iron Union	114.01	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union	237.23	67.06
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-0150	EA	3", 150 LB, Black Malleable Iron Union	296.85	88.19
		For Work In Restricted Working Space, Add	*39.72*	
23 21 13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union	40.42	9.46
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union	53.05	18.92
		For Work In Restricted Working Space, Add	*8.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union	57.02	21.90
		For Work In Restricted Working Space, Add	*9.83*	
23 21 13 23-0154	EA	1", 250 LB, Black Malleable Iron Union	68.49	25.81
		For Work In Restricted Working Space, Add	*11.62*	
23 21 13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union	95.97	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union	112.46	36.64
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0157	EA	2", 250 LB, Black Malleable Iron Union	141.90	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union	331.75	67.06
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-0159	EA	3", 250 LB, Black Malleable Iron Union	402.89	88.19
		For Work In Restricted Working Space, Add	*39.72*	
23 21 13 23-0160	EA	4", 250 LB, Black Malleable Iron Union	617.86	92.26
		For Work In Restricted Working Space, Add	*41.52*	
23 21 13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union	53.80	9.46
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union	56.61	18.92
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union	64.01	21.90
		For Work In Restricted Working Space, Add	*9.83*	
23 21 13 23-0164	EA	1", 300 LB, Black Malleable Iron Union	79.52	25.81
		For Work In Restricted Working Space, Add	*11.62*	
23 21 13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union	112.57	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union	124.64	36.64
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0167	EA	2", 300 LB, Black Malleable Iron Union	154.45	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union	378.84	67.06
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-0169	EA	3", 300 LB, Black Malleable Iron Union	492.31	88.19
		For Work In Restricted Working Space, Add	*39.72*	
23 21 13 23-0170	EA	4", 300 LB, Black Malleable Iron Union	1,280.73	92.26
		For Work In Restricted Working Space, Add	*41.52*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	13.10	8.09
		For Schedule 80 Nipples, Add	*0.46*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	12.95	8.09
		For Schedule 80 Nipples, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	13.07	8.09
		For Schedule 80 Nipples, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	14.40	8.78
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	15.84	9.46
		For Schedule 80 Nipples, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	16.24	9.46
		For Schedule 80 Nipples, Add	*1.02*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	21.10	12.19
		For Schedule 80 Nipples, Add	*1.39*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	31.40	15.17
		For Schedule 80 Nipples, Add	*4.34*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	37.80	18.32
		For Schedule 80 Nipples, Add	*5.16*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	47.68	21.46
		For Schedule 80 Nipples, Add	*7.77*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	13.22	8.09
		For Schedule 80 Nipples, Add	*0.52*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	12.95	8.09
		For Schedule 80 Nipples, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	13.14	8.09
		For Schedule 80 Nipples, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	13.22	8.09
		For Schedule 80 Nipples, Add	*0.52*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	12.95	8.09
		For Schedule 80 Nipples, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	13.14	8.09
		For Schedule 80 Nipples, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	14.53	8.78
		For Schedule 80 Nipples, Add	*0.71*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	16.06	9.46
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	16.40	9.46
		For Schedule 80 Nipples, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.10	8.09
		For Schedule 80 Nipples, Add	*0.46*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.26	8.09
		For Schedule 80 Nipples, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.61	8.78
		For Schedule 80 Nipples, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	16.17	9.46
		For Schedule 80 Nipples, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	16.66	9.46
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.51	12.19
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	13.10	8.09
		For Schedule 80 Nipples, Add	*0.46*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	13.26	8.09
		For Schedule 80 Nipples, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	14.61	8.78
		For Schedule 80 Nipples, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	16.17	9.46
		For Schedule 80 Nipples, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	16.66	9.46
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	21.51	12.19
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	31.63	15.17
		For Schedule 80 Nipples, Add	*4.46*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	38.70	18.32
		For Schedule 80 Nipples, Add	*5.61*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.76	8.09
		For Schedule 80 Nipples, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.28	8.09
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.97	8.78
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	16.53	9.46
		For Schedule 80 Nipples, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	16.95	9.46
		For Schedule 80 Nipples, Add	*1.38*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.18	12.19
		For Schedule 80 Nipples, Add	*1.93*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	33.20	15.17
		For Schedule 80 Nipples, Add	*5.24*	
		For Work In Restricted Working Space, Add	*6.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	40.76	18.32
		For Schedule 80 Nipples, Add	*6.64*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	13.76	8.09
		For Schedule 80 Nipples, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	13.28	8.09
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	13.52	8.09
		For Schedule 80 Nipples, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	14.97	8.78
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	16.53	9.46
		For Schedule 80 Nipples, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	16.95	9.46
		For Schedule 80 Nipples, Add	*1.38*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	22.18	12.19
		For Schedule 80 Nipples, Add	*1.93*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	33.20	15.17
		For Schedule 80 Nipples, Add	*5.24*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	40.76	18.32
		For Schedule 80 Nipples, Add	*6.64*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	50.12	21.46
		For Schedule 80 Nipples, Add	*8.99*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.46	8.09
		For Schedule 80 Nipples, Add	*1.14*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	13.47	8.09
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	13.86	8.09
		For Schedule 80 Nipples, Add	*0.84*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.31	8.78
		For Schedule 80 Nipples, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	16.99	9.46
		For Schedule 80 Nipples, Add	*1.40*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	17.57	9.46
		For Schedule 80 Nipples, Add	*1.69*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.77	12.19
		For Schedule 80 Nipples, Add	*2.22*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	34.23	15.17
		For Schedule 80 Nipples, Add	*5.76*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	42.13	18.32
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	52.68	21.46
		For Schedule 80 Nipples, Add	*10.27*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	14.46	8.09
		For Schedule 80 Nipples, Add	*1.14*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	13.47	8.09
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	13.86	8.09
		For Schedule 80 Nipples, Add	*0.84*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	15.31	8.78
		For Schedule 80 Nipples, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	16.99	9.46
		For Schedule 80 Nipples, Add	*1.40*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	17.57	9.46
		For Schedule 80 Nipples, Add	*1.69*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	22.77	12.19
		For Schedule 80 Nipples, Add	*2.22*	
		For Work In Restricted Working Space, Add	*5.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	34.23	15.17
		For Schedule 80 Nipples, Add	*5.76*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	42.13	18.32
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	52.68	21.46
		For Schedule 80 Nipples, Add	*10.27*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	14.71	8.09
		For Schedule 80 Nipples, Add	*1.27*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	13.62	8.09
		For Schedule 80 Nipples, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	14.09	8.09
		For Schedule 80 Nipples, Add	*0.96*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	15.71	8.78
		For Schedule 80 Nipples, Add	*1.30*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	17.51	9.46
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	18.06	9.46
		For Schedule 80 Nipples, Add	*1.93*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	23.53	12.19
		For Schedule 80 Nipples, Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	34.72	15.17
		For Schedule 80 Nipples, Add	*6.00*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	43.40	18.32
		For Schedule 80 Nipples, Add	*7.96*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	54.09	21.46
		For Schedule 80 Nipples, Add	*10.98*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	16.63	8.09
		For Schedule 80 Nipples, Add	*2.23*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	14.78	8.09
		For Schedule 80 Nipples, Add	*1.30*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	15.36	8.09
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	17.36	8.78
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	19.54	9.46
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	20.33	9.46
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	27.05	12.19
		For Schedule 80 Nipples, Add	*4.36*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	37.99	15.17
		For Schedule 80 Nipples, Add	*7.64*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	48.96	18.32
		For Schedule 80 Nipples, Add	*10.74*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	57.48	21.46
		For Schedule 80 Nipples, Add	*12.67*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	17.17	8.09
		For Schedule 80 Nipples, Add	*2.50*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	15.31	8.09
		For Schedule 80 Nipples, Add	*1.57*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	15.88	8.09
		For Schedule 80 Nipples, Add	*1.85*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	18.08	8.78
		For Schedule 80 Nipples, Add	*2.49*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	20.61	9.46
		For Schedule 80 Nipples, Add	*3.21*	
		For Work In Restricted Working Space, Add	*4.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	21.37	9.46
		For Schedule 80 Nipples, Add	*3.59*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	28.58	12.19
		For Schedule 80 Nipples, Add	*5.13*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	39.87	15.17
		For Schedule 80 Nipples, Add	*8.58*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	51.60	18.32
		For Schedule 80 Nipples, Add	*12.06*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	61.00	21.46
		For Schedule 80 Nipples, Add	*14.43*	
		For Work In Restricted Working Space, Add	*9.64*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	17.86	8.09
		For Schedule 80 Nipples, Add	*2.84*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	15.89	8.09
		For Schedule 80 Nipples, Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	16.29	8.09
		For Schedule 80 Nipples, Add	*2.06*	
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	18.82	8.78
		For Schedule 80 Nipples, Add	*2.86*	
		For Work In Restricted Working Space, Add	*3.93*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	21.47	9.46
		For Schedule 80 Nipples, Add	*3.64*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	22.46	9.46
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	30.13	12.19
		For Schedule 80 Nipples, Add	*5.90*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	41.80	15.17
		For Schedule 80 Nipples, Add	*9.54*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	54.25	18.32
		For Schedule 80 Nipples, Add	*13.39*	
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	65.97	21.46
		For Schedule 80 Nipples, Add	*16.92*	
		For Work In Restricted Working Space, Add	*9.64*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	25.97	13.89
		For Work In Restricted Working Space, Add	*6.25*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	29.80	14.91
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	31.51	16.02
		For Work In Restricted Working Space, Add	*7.22*	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	34.10	15.93
		For Work In Restricted Working Space, Add	*7.16*	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	33.21	17.04
		For Work In Restricted Working Space, Add	*7.67*	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	34.57	17.97
		For Work In Restricted Working Space, Add	*8.08*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	37.22	17.13
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	38.40	18.32
		For Work In Restricted Working Space, Add	*8.23*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing	38.67	19.17
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing	40.15	20.20
		For Work In Restricted Working Space, Add	*9.08*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	42.94	18.58
		For Work In Restricted Working Space, Add	*8.34*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing	41.98	19.68
		For Work In Restricted Working Space, Add	*8.85*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	43.34	20.53
		For Work In Restricted Working Space, Add	*9.26*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing	43.29	21.56
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	46.73	22.83
		For Work In Restricted Working Space, Add	*10.26*	
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing	54.09	21.81
		For Work In Restricted Working Space, Add	*9.81*	
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing	53.25	22.93
		For Work In Restricted Working Space, Add	*10.32*	
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing	51.71	23.86
		For Work In Restricted Working Space, Add	*10.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing	52.18	24.80
		For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	54.05	26.08
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	57.79	27.43
		For Work In Restricted Working Space, Add	*12.35*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	73.98	31.19
		For Work In Restricted Working Space, Add	*14.04*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing	75.46	32.20
		For Work In Restricted Working Space, Add	*14.49*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	77.33	33.40
		For Work In Restricted Working Space, Add	*15.05*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	77.52	34.85
		For Work In Restricted Working Space, Add	*15.66*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing	82.22	38.09
		For Work In Restricted Working Space, Add	*17.13*	
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing	95.14	38.34
		For Work In Restricted Working Space, Add	*17.27*	
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing	96.61	39.37
		For Work In Restricted Working Space, Add	*17.71*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing	98.50	40.65
		For Work In Restricted Working Space, Add	*18.28*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing	99.82	42.01
		For Work In Restricted Working Space, Add	*18.89*	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing	102.30	45.25
		For Work In Restricted Working Space, Add	*20.36*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing	113.88	52.65
		For Work In Restricted Working Space, Add	*23.68*	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing	130.94	39.22
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing	132.34	40.18
		For Work In Restricted Working Space, Add	*18.08*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing	134.10	41.39
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing	136.04	42.68
		For Work In Restricted Working Space, Add	*19.19*	
23 21 13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing	136.79	45.73
		For Work In Restricted Working Space, Add	*20.58*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing	147.21	52.72
		For Work In Restricted Working Space, Add	*23.71*	
23 21 13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing	157.38	59.47
		For Work In Restricted Working Space, Add	*26.76*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug	11.51	5.03
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	13.29	6.05
		For Work In Restricted Working Space, Add	*2.73*	
23 21 13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	14.37	6.81
		For Work In Restricted Working Space, Add	*3.05*	
23 21 13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug	16.64	7.59
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	19.51	8.60
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	23.77	9.63
		For Work In Restricted Working Space, Add	*4.35*	
23 21 13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug	31.60	12.27
		For Work In Restricted Working Space, Add	*5.53*	
23 21 13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	51.25	18.15
		For Work In Restricted Working Space, Add	*8.18*	
23 21 13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug	68.82	23.94
		For Work In Restricted Working Space, Add	*10.76*	
23 21 13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug	106.60	24.99
		For Work In Restricted Working Space, Add	*11.25*	
23 21 13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug	187.53	26.12
		For Work In Restricted Working Space, Add	*11.74*	
23 21 13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug	224.72	27.25
		For Work In Restricted Working Space, Add	*12.28*	

23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

23 21 13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange	126.34	34.09
		For Work In Restricted Working Space, Add	*15.34*	
23 21 13 23-0341	EA	1", 125 LB, Black Cast Iron Flange	105.61	38.51
		For Work In Restricted Working Space, Add	*17.33*	
23 21 13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange	117.03	39.87
		For Work In Restricted Working Space, Add	*17.94*	
23 21 13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange	117.93	43.37
		For Work In Restricted Working Space, Add	*19.51*	
23 21 13 23-0344	EA	2", 125 LB, Black Cast Iron Flange	120.67	45.25
		For Work In Restricted Working Space, Add	*20.37*	
23 21 13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange	140.27	52.40
		For Work In Restricted Working Space, Add	*23.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0346	EA	3", 125 LB, Black Cast Iron Flange	179.19	66.46
		For Work In Restricted Working Space, Add	*29.90*	
23 21 13 23-0347	EA	4", 125 LB, Black Cast Iron Flange	235.79	85.75
		For Work In Restricted Working Space, Add	*38.58*	
23 21 13 23-0348	EA	5", 125 LB, Black Cast Iron Flange	304.51	102.15
		For Work In Restricted Working Space, Add	*45.92*	
23 21 13 23-0349	EA	6", 125 LB, Black Cast Iron Flange	347.13	117.26
		For Work In Restricted Working Space, Add	*52.74*	

23 21 13 23-0350 150 LB, Black Malleable Iron Flanges *(23 21 13 23-0014)*

23 21 13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange	63.33	31.10
		For Work In Restricted Working Space, Add	*14.01*	
23 21 13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange	69.05	34.09
		For Work In Restricted Working Space, Add	*15.34*	
23 21 13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange	81.06	38.51
		For Work In Restricted Working Space, Add	*17.33*	
23 21 13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange	84.70	39.87
		For Work In Restricted Working Space, Add	*17.94*	
23 21 13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange	92.21	43.37
		For Work In Restricted Working Space, Add	*19.51*	
23 21 13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange	103.32	45.25
		For Work In Restricted Working Space, Add	*20.36*	
23 21 13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange	134.09	52.40
		For Work In Restricted Working Space, Add	*23.56*	
23 21 13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange	169.86	66.46
		For Work In Restricted Working Space, Add	*29.89*	
23 21 13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange	247.85	85.75
		For Work In Restricted Working Space, Add	*38.57*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	27.77	
		For Work In Restricted Working Space, Add	*8.33*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	30.55	
		For Work In Restricted Working Space, Add	*9.17*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	33.33	
		For Work In Restricted Working Space, Add	*10.00*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	36.10	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	37.95	
		For Work In Restricted Working Space, Add	*11.39*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	39.81	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	41.66	
		For Work In Restricted Working Space, Add	*12.50*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	43.51	
		For Work In Restricted Working Space, Add	*13.05*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	45.36	
		For Work In Restricted Working Space, Add	*13.61*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	49.06	
		For Work In Restricted Working Space, Add	*14.72*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	52.76	
		For Work In Restricted Working Space, Add	*15.83*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	57.39	
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	61.09	
		For Work In Restricted Working Space, Add	*18.33*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

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

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.93	6.47
		For Work In Restricted Working Space, Add	*4.73*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.16	6.90
		For Work In Restricted Working Space, Add	*5.30*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.38	7.33
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	28.12	7.33
		For Work In Restricted Working Space, Add	*6.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.18	7.33
		For Work In Restricted Working Space, Add	*7.36*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	37.31	7.33
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	42.78	7.16
		For Work In Restricted Working Space, Add	*9.00*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	55.56	8.81
		For Work In Restricted Working Space, Add	*10.94*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	74.28	13.14
		For Work In Restricted Working Space, Add	*12.59*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	112.98	16.32
		For Work In Restricted Working Space, Add	*18.68*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	150.31	20.39
		For Work In Restricted Working Space, Add	*22.28*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	188.32	24.64
		For Work In Restricted Working Space, Add	*25.74*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	211.71	32.15
		For Work In Restricted Working Space, Add	*28.72*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	246.90	40.80
		For Work In Restricted Working Space, Add	*32.09*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	311.82	50.51
		For Work In Restricted Working Space, Add	*35.21*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	401.66	62.42
		For Work In Restricted Working Space, Add	*40.31*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	494.83	70.74
		For Work In Restricted Working Space, Add	*44.32*	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End Black Steel Piping *(23 21 13 23-0393)*

Note: ASTM A-53

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	8.37	3.45
		For Schedule 80 Pipe, Add	*1.33*	
		For Schedule A-106 Pipe, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.07*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	10.59	4.31
		For Schedule 80 Pipe, Add	*1.69*	
		For Schedule A-106 Pipe, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.59*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	13.22	5.18
		For Schedule 80 Pipe, Add	*2.13*	
		For Schedule A-106 Pipe, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.11*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	15.89	6.04
		For Schedule 80 Pipe, Add	*2.57*	
		For Schedule A-106 Pipe, Add	*0.46*	
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	18.88	7.16
		For Schedule 80 Pipe, Add	*3.06*	
		For Schedule A-106 Pipe, Add	*0.55*	
		For Work In Restricted Working Space, Add	*4.29*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	21.55	8.11
		For Schedule 80 Pipe, Add	*4.70*	
		For Schedule A-106 Pipe, Add	*0.64*	
		For Work In Restricted Working Space, Add	*4.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	25.88	8.71
		For Schedule 80 Pipe, Add	*6.01*	
		For Schedule A-106 Pipe, Add	*1.02*	
		For Work In Restricted Working Space, Add	*5.23*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	35.13	10.78
		For Schedule 80 Pipe, Add	*8.52*	
		For Schedule A-106 Pipe, Add	*1.63*	
		For Work In Restricted Working Space, Add	*6.47*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	49.46	17.46
		For Schedule 80 Pipe, Add	*12.63*	
		For Schedule A-106 Pipe, Add	*2.73*	
		For Work In Restricted Working Space, Add	*8.02*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	69.35	17.54
		For Schedule 80 Pipe, Add	*18.13*	
		For Schedule A-106 Pipe, Add	*4.11*	
		For Schedule 30 Pipe, Deduct	*-10.36*	
		For Work In Restricted Working Space, Add	*10.53*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	90.76	21.13
		For Schedule 80 Pipe, Add	*24.37*	
		For Schedule A-106 Pipe, Add	*5.82*	
		For Schedule 30 Pipe, Deduct	*-13.93*	
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	115.20	25.54
		For Schedule 80 Pipe, Add	*31.38*	
		For Schedule A-106 Pipe, Add	*7.69*	
		For Schedule 30 Pipe, Deduct	*-17.93*	
		For Work In Restricted Working Space, Add	*15.32*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	112.32	26.93
		For Schedule 80 Pipe, Add	*29.89*	
		For Schedule A-106 Pipe, Add	*7.02*	
		For Schedule 30 Pipe, Deduct	*-17.08*	
		For Schedule 20 Pipe, Deduct	*-31.23*	
		For Work In Restricted Working Space, Add	*16.16*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	123.29	28.97
		For Schedule 80 Pipe, Add	*33.01*	
		For Schedule A-106 Pipe, Add	*7.84*	
		For Schedule 30 Pipe, Deduct	*-18.87*	
		For Schedule 20 Pipe, Deduct	*-34.46*	
		For Work In Restricted Working Space, Add	*17.38*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	153.24	31.33
		For Schedule 80 Pipe, Add	*42.67*	
		For Schedule A-106 Pipe, Add	*10.87*	
		For Schedule 30 Pipe, Deduct	*-24.38*	
		For Schedule 20 Pipe, Deduct	*-44.24*	
		For Work In Restricted Working Space, Add	*18.80*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	181.42	37.53
		For Schedule 80 Pipe, Add	*50.36*	
		For Schedule A-106 Pipe, Add	*12.76*	
		For Work In Restricted Working Space, Add	*22.52*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	223.71	43.16
		For Schedule 80 Pipe, Add	*63.19*	
		For Schedule A-106 Pipe, Add	*16.49*	
		For Work In Restricted Working Space, Add	*25.90*	

23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	95.32	51.73
		For Schedule 80 Fittings, Add	*20.46*	
		For Work In Restricted Working Space, Add	*23.26*	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	99.38	54.42
		For Schedule 80 Fittings, Add	*21.25*	
		For Work In Restricted Working Space, Add	*24.47*	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	110.80	62.01
		For Schedule 80 Fittings, Add	*23.48*	
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	118.15	66.91
		For Schedule 80 Fittings, Add	*24.91*	
		For Work In Restricted Working Space, Add	*30.11*	
23 21 13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	148.33	87.06
		For Schedule 80 Fittings, Add	*30.79*	
		For Work In Restricted Working Space, Add	*39.16*	
23 21 13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	186.90	108.85
		For Schedule 80 Fittings, Add	*38.94*	
		For Work In Restricted Working Space, Add	*48.95*	
23 21 13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	203.13	116.61
		For Schedule 80 Fittings, Add	*42.59*	
		For Work In Restricted Working Space, Add	*52.43*	
23 21 13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	348.99	201.48
		For Schedule 80 Fittings, Add	*72.98*	
		For Work In Restricted Working Space, Add	*90.62*	
23 21 13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	613.91	332.48
		For Schedule 80 Fittings, Add	*131.83*	
		For Work In Restricted Working Space, Add	*149.56*	
23 21 13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	877.05	442.15
		For Schedule 80 Fittings, Add	*193.51*	
		For Work In Restricted Working Space, Add	*198.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,150.77	505.38
		For Schedule 80 Fittings, Add	*265.68*	
		For Work In Restricted Working Space, Add	*227.30*	
23 21 13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,561.36	661.23
		For Schedule 80 Fittings, Add	*364.32*	
		For Work In Restricted Working Space, Add	*297.40*	
23 21 13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,943.34	781.58
		For Schedule 80 Fittings, Add	*459.96*	
		For Work In Restricted Working Space, Add	*351.54*	
23 21 13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,424.39	912.70
		For Schedule 80 Fittings, Add	*583.65*	
		For Work In Restricted Working Space, Add	*410.49*	
23 21 13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,884.98	1,017.70
		For Schedule 80 Fittings, Add	*705.29*	
		For Work In Restricted Working Space, Add	*457.73*	
23 21 13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,708.58	1,141.08
		For Schedule 80 Fittings, Add	*932.94*	
		For Work In Restricted Working Space, Add	*513.24*	
23 21 13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,378.73	1,179.18
		For Schedule 80 Fittings, Add	*1,127.99*	
		For Work In Restricted Working Space, Add	*530.36*	

23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	495.64	201.83
		For Schedule 80 Fittings, Add	*116.92*	
		For Work In Restricted Working Space, Add	*90.79*	
23 21 13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	870.39	328.69
		For Schedule 80 Fittings, Add	*209.37*	
		For Work In Restricted Working Space, Add	*147.86*	
23 21 13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	935.13	328.69
		For Schedule 80 Fittings, Add	*228.79*	
		For Work In Restricted Working Space, Add	*147.86*	
23 21 13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,459.35	442.15
		For Schedule 80 Fittings, Add	*368.20*	
		For Work In Restricted Working Space, Add	*198.88*	
23 21 13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,613.69	442.15
		For Schedule 80 Fittings, Add	*414.50*	
		For Work In Restricted Working Space, Add	*198.88*	
23 21 13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,030.65	505.38
		For Schedule 80 Fittings, Add	*529.64*	
		For Work In Restricted Working Space, Add	*227.30*	
23 21 13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,030.65	505.38
		For Schedule 80 Fittings, Add	*529.64*	
		For Work In Restricted Working Space, Add	*227.30*	
23 21 13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,373.71	673.79
		For Schedule 80 Fittings, Add	*906.04*	
		For Work In Restricted Working Space, Add	*303.06*	
23 21 13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,373.71	673.79
		For Schedule 80 Fittings, Add	*906.04*	
		For Work In Restricted Working Space, Add	*303.06*	
23 21 13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,793.54	673.79
		For Schedule 80 Fittings, Add	*1,031.99*	
		For Work In Restricted Working Space, Add	*303.06*	

23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	87.44	48.91
		For Schedule 80 Fittings, Add	*18.53*	
		For Work In Restricted Working Space, Add	*21.99*	
23 21 13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	90.03	50.63
		For Schedule 80 Fittings, Add	*19.04*	
		For Work In Restricted Working Space, Add	*22.77*	
23 21 13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	101.24	58.13
		For Schedule 80 Fittings, Add	*21.23*	
		For Work In Restricted Working Space, Add	*26.13*	
23 21 13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	108.14	62.70
		For Schedule 80 Fittings, Add	*22.57*	
		For Work In Restricted Working Space, Add	*28.20*	
23 21 13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	135.74	81.08
		For Schedule 80 Fittings, Add	*27.95*	
		For Work In Restricted Working Space, Add	*36.48*	
23 21 13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	169.11	101.86
		For Schedule 80 Fittings, Add	*34.70*	
		For Work In Restricted Working Space, Add	*45.80*	
23 21 13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	195.46	116.52
		For Schedule 80 Fittings, Add	*40.29*	
		For Work In Restricted Working Space, Add	*52.42*	
23 21 13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	336.24	201.39
		For Schedule 80 Fittings, Add	*69.16*	
		For Work In Restricted Working Space, Add	*90.60*	
23 21 13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	582.20	332.15
		For Schedule 80 Fittings, Add	*122.37*	
		For Work In Restricted Working Space, Add	*149.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	819.27	442.15
		For Schedule 80 Fittings, Add	*176.17*	
		For Work In Restricted Working Space, Add	*198.88*	
23 21 13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,044.69	505.38
		For Schedule 80 Fittings, Add	*233.85*	
		For Work In Restricted Working Space, Add	*227.30*	
23 21 13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,405.68	660.00
		For Schedule 80 Fittings, Add	*317.81*	
		For Work In Restricted Working Space, Add	*296.84*	
23 21 13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,736.70	782.64
		For Schedule 80 Fittings, Add	*397.81*	
		For Work In Restricted Working Space, Add	*352.01*	
23 21 13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,137.99	911.71
		For Schedule 80 Fittings, Add	*497.87*	
		For Work In Restricted Working Space, Add	*410.07*	
23 21 13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,516.44	1,016.48
		For Schedule 80 Fittings, Add	*594.91*	
		For Work In Restricted Working Space, Add	*457.20*	
23 21 13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,169.48	1,141.08
		For Schedule 80 Fittings, Add	*771.21*	
		For Work In Restricted Working Space, Add	*513.24*	
23 21 13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,674.18	1,179.18
		For Schedule 80 Fittings, Add	*916.63*	
		For Work In Restricted Working Space, Add	*530.36*	

23 21 13 23-0459 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	180.67	92.03
		For Schedule 80 Fittings, Add	*39.71*	
		For Work In Restricted Working Space, Add	*41.40*	
23 21 13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee	180.63	92.03
		For Schedule 80 Fittings, Add	*39.70*	
		For Work In Restricted Working Space, Add	*41.39*	
23 21 13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	204.91	102.38
		For Schedule 80 Fittings, Add	*45.36*	
		For Work In Restricted Working Space, Add	*46.04*	
23 21 13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	223.94	115.05
		For Schedule 80 Fittings, Add	*49.07*	
		For Work In Restricted Working Space, Add	*51.75*	
23 21 13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee	275.80	153.61
		For Schedule 80 Fittings, Add	*58.56*	
		For Work In Restricted Working Space, Add	*69.09*	
23 21 13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	315.29	172.59
		For Schedule 80 Fittings, Add	*67.42*	
		For Work In Restricted Working Space, Add	*77.63*	
23 21 13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee	376.52	209.59
		For Schedule 80 Fittings, Add	*79.99*	
		For Work In Restricted Working Space, Add	*94.18*	
23 21 13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee	541.00	302.82
		For Schedule 80 Fittings, Add	*114.64*	
		For Work In Restricted Working Space, Add	*136.18*	
23 21 13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee	908.45	500.24
		For Schedule 80 Fittings, Add	*193.79*	
		For Work In Restricted Working Space, Add	*225.00*	
23 21 13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,303.59	673.79
		For Schedule 80 Fittings, Add	*285.01*	
		For Work In Restricted Working Space, Add	*303.06*	
23 21 13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee	1,670.49	786.06
		For Schedule 80 Fittings, Add	*377.40*	
		For Work In Restricted Working Space, Add	*353.57*	
23 21 13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,263.47	1,010.69
		For Schedule 80 Fittings, Add	*519.94*	
		For Work In Restricted Working Space, Add	*454.59*	
23 21 13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee	2,970.77	1,179.18
		For Schedule 80 Fittings, Add	*705.61*	
		For Work In Restricted Working Space, Add	*530.36*	
23 21 13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee	3,575.67	1,414.99
		For Schedule 80 Fittings, Add	*849.95*	
		For Work In Restricted Working Space, Add	*636.43*	
23 21 13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee	4,732.60	1,572.21
		For Schedule 80 Fittings, Add	*1,172.28*	
		For Work In Restricted Working Space, Add	*707.14*	
23 21 13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee	6,319.18	1,768.77
		For Schedule 80 Fittings, Add	*1,617.32*	
		For Work In Restricted Working Space, Add	*795.53*	
23 21 13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee	7,329.02	1,904.82
		For Schedule 80 Fittings, Add	*1,898.85*	
		For Work In Restricted Working Space, Add	*856.73*	

23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	176.36	89.18
		For Schedule 80 Fittings, Add	*38.87*	
		For Work In Restricted Working Space, Add	*40.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	180.63	92.03
		For Schedule 80 Fittings, Add	*39.70*	
		For Work In Restricted Working Space, Add	*41.39*	
23 21 13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	202.19	102.38
		For Schedule 80 Fittings, Add	*44.54*	
		For Work In Restricted Working Space, Add	*46.04*	
23 21 13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	221.22	115.05
		For Schedule 80 Fittings, Add	*48.25*	
		For Work In Restricted Working Space, Add	*51.75*	
23 21 13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	281.93	153.61
		For Schedule 80 Fittings, Add	*60.39*	
		For Work In Restricted Working Space, Add	*69.11*	
23 21 13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	315.39	172.67
		For Schedule 80 Fittings, Add	*67.44*	
		For Work In Restricted Working Space, Add	*77.66*	
23 21 13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	376.81	209.59
		For Schedule 80 Fittings, Add	*80.08*	
		For Work In Restricted Working Space, Add	*94.18*	
23 21 13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	541.40	302.82
		For Schedule 80 Fittings, Add	*114.76*	
		For Work In Restricted Working Space, Add	*136.18*	
23 21 13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	909.14	500.24
		For Schedule 80 Fittings, Add	*193.99*	
		For Work In Restricted Working Space, Add	*225.00*	
23 21 13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,304.92	673.79
		For Schedule 80 Fittings, Add	*285.41*	
		For Work In Restricted Working Space, Add	*303.06*	
23 21 13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,672.73	786.06
		For Schedule 80 Fittings, Add	*378.07*	
		For Work In Restricted Working Space, Add	*353.57*	
23 21 13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,266.87	1,010.69
		For Schedule 80 Fittings, Add	*520.96*	
		For Work In Restricted Working Space, Add	*454.59*	
23 21 13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,976.23	1,179.18
		For Schedule 80 Fittings, Add	*707.24*	
		For Work In Restricted Working Space, Add	*530.36*	
23 21 13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,582.29	1,414.99
		For Schedule 80 Fittings, Add	*851.94*	
		For Work In Restricted Working Space, Add	*636.43*	
23 21 13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,743.42	1,572.21
		For Schedule 80 Fittings, Add	*1,175.53*	
		For Work In Restricted Working Space, Add	*707.14*	

23 21 13 23-0493 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0494	EA	3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	211.38	116.17
		For Schedule 80 Fittings, Add	*45.12*	
		For Concentric Reducers, Deduct	*-11.88*	
		For Work In Restricted Working Space, Add	*52.27*	
23 21 13 23-0495	EA	4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	347.63	201.83
		For Schedule 80 Fittings, Add	*72.51*	
		For Concentric Reducers, Deduct	*-14.40*	
		For Work In Restricted Working Space, Add	*90.79*	
23 21 13 23-0496	EA	4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	360.57	201.83
		For Schedule 80 Fittings, Add	*76.39*	
		For Concentric Reducers, Deduct	*-18.54*	
		For Work In Restricted Working Space, Add	*90.79*	
23 21 13 23-0497	EA	6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	583.81	328.69
		For Schedule 80 Fittings, Add	*123.39*	
		For Concentric Reducers, Deduct	*-29.11*	
		For Work In Restricted Working Space, Add	*147.86*	
23 21 13 23-0498	EA	6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	650.06	328.69
		For Schedule 80 Fittings, Add	*143.27*	
		For Concentric Reducers, Deduct	*-50.31*	
		For Work In Restricted Working Space, Add	*147.86*	
23 21 13 23-0499	EA	8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	885.95	500.24
		For Schedule 80 Fittings, Add	*187.04*	
		For Concentric Reducers, Deduct	*-43.51*	
		For Work In Restricted Working Space, Add	*225.00*	
23 21 13 23-0500	EA	8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	984.71	500.24
		For Schedule 80 Fittings, Add	*216.66*	
		For Concentric Reducers, Deduct	*-75.11*	
		For Work In Restricted Working Space, Add	*225.00*	
23 21 13 23-0501	EA	10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,022.86	575.28
		For Schedule 80 Fittings, Add	*216.30*	
		For Concentric Reducers, Deduct	*-51.32*	
		For Work In Restricted Working Space, Add	*258.74*	
23 21 13 23-0502	EA	10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,147.06	575.28
		For Schedule 80 Fittings, Add	*253.56*	
		For Concentric Reducers, Deduct	*-91.07*	
		For Work In Restricted Working Space, Add	*258.74*	
23 21 13 23-0503	EA	12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,260.59	672.49
		For Schedule 80 Fittings, Add	*272.31*	
		For Concentric Reducers, Deduct	*-80.74*	
		For Work In Restricted Working Space, Add	*302.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0504	EA	12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,404.41	672.49
		For Schedule 80 Fittings, Add	*315.45*	
		For Concentric Reducers, Deduct	*-126.76*	
		For Work In Restricted Working Space, Add	*302.48*	
23 21 13 23-0505	EA	14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,621.63	786.06
		For Schedule 80 Fittings, Add	*362.74*	
		For Concentric Reducers, Deduct	*-141.78*	
		For Work In Restricted Working Space, Add	*353.57*	
23 21 13 23-0506	EA	14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,701.85	786.06
		For Schedule 80 Fittings, Add	*386.81*	
		For Concentric Reducers, Deduct	*-167.45*	
		For Work In Restricted Working Space, Add	*353.57*	
23 21 13 23-0507	EA	16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,927.41	884.38
		For Schedule 80 Fittings, Add	*439.01*	
		For Concentric Reducers, Deduct	*-192.49*	
		For Work In Restricted Working Space, Add	*397.76*	
23 21 13 23-0508	EA	16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,133.77	884.38
		For Schedule 80 Fittings, Add	*500.91*	
		For Concentric Reducers, Deduct	*-258.52*	
		For Work In Restricted Working Space, Add	*397.76*	
23 21 13 23-0509	EA	18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,493.35	1,010.69
		For Schedule 80 Fittings, Add	*588.90*	
		For Concentric Reducers, Deduct	*-312.98*	
		For Work In Restricted Working Space, Add	*454.59*	

23 21 13 23-0510 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0511	EA	1" Standard Weight, Welded Plain End Black Steel Cap	52.16	28.81
		For Schedule 80 Fittings, Add	*10.26*	
		For Work In Restricted Working Space, Add	*12.94*	
23 21 13 23-0512	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	57.05	31.65
		For Schedule 80 Fittings, Add	*11.19*	
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-0513	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	59.34	32.77
		For Schedule 80 Fittings, Add	*11.66*	
		For Work In Restricted Working Space, Add	*14.75*	
23 21 13 23-0514	EA	2" Standard Weight, Welded Plain End Black Steel Cap	73.16	42.00
		For Schedule 80 Fittings, Add	*14.08*	
		For Work In Restricted Working Space, Add	*18.89*	
23 21 13 23-0515	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	86.08	50.63
		For Schedule 80 Fittings, Add	*16.34*	
		For Work In Restricted Working Space, Add	*22.77*	
23 21 13 23-0516	EA	3" Standard Weight, Welded Plain End Black Steel Cap	102.26	58.39
		For Schedule 80 Fittings, Add	*19.73*	
		For Work In Restricted Working Space, Add	*26.27*	
23 21 13 23-0517	EA	4" Standard Weight, Welded Plain End Black Steel Cap	170.88	100.91
		For Schedule 80 Fittings, Add	*32.35*	
		For Work In Restricted Working Space, Add	*45.40*	
23 21 13 23-0518	EA	6" Standard Weight, Welded Plain End Black Steel Cap	287.14	166.72
		For Schedule 80 Fittings, Add	*54.89*	
		For Work In Restricted Working Space, Add	*75.00*	
23 21 13 23-0519	EA	8" Standard Weight, Welded Plain End Black Steel Cap	476.46	280.65
		For Schedule 80 Fittings, Add	*90.35*	
		For Work In Restricted Working Space, Add	*126.22*	
23 21 13 23-0520	EA	10" Standard Weight, Welded Plain End Black Steel Cap	540.11	295.06
		For Schedule 80 Fittings, Add	*106.75*	
		For Work In Restricted Working Space, Add	*132.69*	
23 21 13 23-0521	EA	12" Standard Weight, Welded Plain End Black Steel Cap	615.64	329.07
		For Schedule 80 Fittings, Add	*123.02*	
		For Work In Restricted Working Space, Add	*148.01*	
23 21 13 23-0522	EA	14" Standard Weight, Welded Plain End Black Steel Cap	819.15	393.04
		For Schedule 80 Fittings, Add	*172.09*	
		For Work In Restricted Working Space, Add	*176.78*	
23 21 13 23-0523	EA	16" Standard Weight, Welded Plain End Black Steel Cap	951.35	456.43
		For Schedule 80 Fittings, Add	*199.86*	
		For Work In Restricted Working Space, Add	*205.30*	
23 21 13 23-0524	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,064.75	505.38
		For Schedule 80 Fittings, Add	*224.72*	
		For Work In Restricted Working Space, Add	*227.30*	

23 21 13 23-0525 150 LB, Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: 150 LB.

23 21 13 23-0526	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	147.36	65.03
		For 300 LB Rating, Add	*45.14*	
		For Work In Restricted Working Space, Add	*29.25*	
23 21 13 23-0527	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	171.52	81.16
		For 300 LB Rating, Add	*47.68*	
		For Work In Restricted Working Space, Add	*36.50*	
23 21 13 23-0528	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	189.03	92.80
		For 300 LB Rating, Add	*49.55*	
		For Work In Restricted Working Space, Add	*41.73*	
23 21 13 23-0529	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	247.11	122.39
		For 300 LB Rating, Add	*63.79*	
		For Work In Restricted Working Space, Add	*55.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0530	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	376.08	185.61
		For 300 LB Rating, Add	*97.72*	
		For Work In Restricted Working Space, Add	*83.47*	
23 21 13 23-0531	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	456.94	191.25
		For 300 LB Rating, Add	*149.29*	
		For Work In Restricted Working Space, Add	*86.00*	
23 21 13 23-0532	EA	10" , 150 LB, Welded Plain End Black Steel Neck Flange	639.44	239.80
		For 300 LB Rating, Add	*233.67*	
		For Work In Restricted Working Space, Add	*107.87*	
23 21 13 23-0533	EA	12" , 150 LB, Welded Plain End Black Steel Neck Flange	816.06	272.11
		For 300 LB Rating, Add	*328.50*	
		For Work In Restricted Working Space, Add	*122.39*	
23 21 13 23-0534	EA	14" , 150 LB, Welded Plain End Black Steel Neck Flange	1,112.87	329.07
		For 300 LB Rating, Add	*485.47*	
		For Work In Restricted Working Space, Add	*148.01*	
23 21 13 23-0535	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,541.28	382.43
		For 300 LB Rating, Add	*737.75*	
		For Work In Restricted Working Space, Add	*172.01*	
23 21 13 23-0536	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,986.59	428.77
		For 300 LB Rating, Add	*1,008.11*	
		For Work In Restricted Working Space, Add	*192.86*	
23 21 13 23-0537	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	2,517.84	544.23
		For 300 LB Rating, Add	*1,277.01*	
		For Work In Restricted Working Space, Add	*244.78*	
23 21 13 23-0538	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	2,904.89	589.59
		For 300 LB Rating, Add	*1,507.49*	
		For Work In Restricted Working Space, Add	*265.18*	

23 21 13 23-0539 150 LB, Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

23 21 13 23-0540	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	102.13	65.03
		For 300 LB Rating, Add	*30.21*	
		For Work In Restricted Working Space, Add	*23.29*	
23 21 13 23-0541	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	126.34	81.16
		For 300 LB Rating, Add	*38.28*	
		For Work In Restricted Working Space, Add	*28.46*	
23 21 13 23-0542	EA	3", 150 LB, Welded Black Steel Slip-On Flange	149.15	92.80
		For 300 LB Rating, Add	*45.10*	
		For Work In Restricted Working Space, Add	*33.64*	
23 21 13 23-0543	EA	4", 150 LB, Welded Black Steel Slip-On Flange	197.15	122.39
		For 300 LB Rating, Add	*60.87*	
		For Work In Restricted Working Space, Add	*43.99*	
23 21 13 23-0544	EA	6", 150 LB, Welded Black Steel Slip-On Flange	293.38	185.61
		For 300 LB Rating, Add	*92.62*	
		For Work In Restricted Working Space, Add	*64.69*	
23 21 13 23-0545	EA	8", 150 LB, Welded Black Steel Slip-On Flange	379.39	191.25
		For 300 LB Rating, Add	*133.88*	
		For Work In Restricted Working Space, Add	*78.33*	
23 21 13 23-0546	EA	10", 150 LB, Welded Black Steel Slip-On Flange	530.60	239.80
		For 300 LB Rating, Add	*218.08*	
		For Work In Restricted Working Space, Add	*97.91*	
23 21 13 23-0547	EA	12", 150 LB, Welded Black Steel Slip-On Flange	713.89	272.11
		For 300 LB Rating, Add	*331.14*	
		For Work In Restricted Working Space, Add	*117.50*	
23 21 13 23-0548	EA	14", 150 LB, Welded Black Steel Slip-On Flange	927.72	329.07
		For 300 LB Rating, Add	*471.70*	
		For Work In Restricted Working Space, Add	*137.08*	
23 21 13 23-0549	EA	16", 150 LB, Welded Black Steel Slip-On Flange	1,139.75	382.43
		For 300 LB Rating, Add	*623.61*	
		For Work In Restricted Working Space, Add	*151.76*	
23 21 13 23-0550	EA	18", 150 LB, Welded Black Steel Slip-On Flange	1,265.57	428.77
		For 300 LB Rating, Add	*697.92*	
		For Work In Restricted Working Space, Add	*166.45*	
23 21 13 23-0551	EA	20", 150 LB, Welded Black Steel Slip-On Flange	1,411.65	544.23
		For 300 LB Rating, Add	*790.47*	
		For Work In Restricted Working Space, Add	*181.14*	
23 21 13 23-0552	EA	24", 150 LB, Welded Black Steel Slip-On Flange	1,609.41	589.59
		For 300 LB Rating, Add	*890.62*	
		For Work In Restricted Working Space, Add	*210.51*	

23 21 13 23-0553 150 LB, Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0554	EA	2", 150 LB, Forged Steel Blind Flange	74.44	23.15
		For 300 LB Rating, Add	*27.37*	
		For 600 LB Rating, Add	*74.48*	
		For Work In Restricted Working Space, Add	*13.89*	
23 21 13 23-0555	EA	2-1/2", 150 LB, Forged Steel Blind Flange	101.19	27.78
		For 300 LB Rating, Add	*42.34*	
		For 600 LB Rating, Add	*117.85*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0556	EA	3", 150 LB, Forged Steel Blind Flange	121.28	37.04
		For 300 LB Rating, Add	*45.54*	
		For 600 LB Rating, Add	*124.39*	
		For Work In Restricted Working Space, Add	*22.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0557	EA	4", 150 LB, Forged Steel Blind Flange	157.65	46.30
		For 300 LB Rating, Add	*61.76*	
		For 600 LB Rating, Add	*170.01*	
		For Work In Restricted Working Space, Add	*27.78*	
23 21 13 23-0558	EA	6", 150 LB, Forged Steel Blind Flange	218.95	60.19
		For 300 LB Rating, Add	*91.50*	
		For 600 LB Rating, Add	*254.65*	
		For Work In Restricted Working Space, Add	*36.11*	
23 21 13 23-0559	EA	8", 150 LB, Forged Steel Blind Flange	295.27	69.45
		For 300 LB Rating, Add	*139.68*	
		For 600 LB Rating, Add	*396.12*	
		For Work In Restricted Working Space, Add	*41.67*	
23 21 13 23-0560	EA	10", 150 LB, Forged Steel Blind Flange	472.03	83.34
		For 300 LB Rating, Add	*261.78*	
		For 600 LB Rating, Add	*757.84*	
		For Work In Restricted Working Space, Add	*50.00*	
23 21 13 23-0561	EA	12", 150 LB, Forged Steel Blind Flange	626.65	97.23
		For 300 LB Rating, Add	*366.17*	
		For 600 LB Rating, Add	*1,066.43*	
		For Work In Restricted Working Space, Add	*58.34*	
23 21 13 23-0562	EA	14", 150 LB, Forged Steel Blind Flange	1,112.10	111.12
		For 300 LB Rating, Add	*735.22*	
		For Work In Restricted Working Space, Add	*66.67*	
23 21 13 23-0563	EA	16", 150 LB, Forged Steel Blind Flange	1,187.99	125.01
		For 300 LB Rating, Add	*776.63*	
		For Work In Restricted Working Space, Add	*75.01*	
23 21 13 23-0564	EA	18", 150 LB, Forged Steel Blind Flange	1,324.33	152.79
		For 300 LB Rating, Add	*847.09*	
		For Work In Restricted Working Space, Add	*91.67*	
23 21 13 23-0565	EA	20", 150 LB, Forged Steel Blind Flange	1,728.21	166.68
		For 300 LB Rating, Add	*1,150.88*	
		For Work In Restricted Working Space, Add	*100.01*	
23 21 13 23-0566	EA	24", 150 LB, Forged Steel Blind Flange	2,385.88	194.46
		For 300 LB Rating, Add	*1,638.40*	
		For Work In Restricted Working Space, Add	*116.68*	

23 21 13 23-0567 3,000 LB, Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0568	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let	69.82	
		For Weld-O-Lets, Add	*6.16*	
		For Sock-O-Lets, Add	*27.15*	
		For Work In Restricted Working Space, Add	*17.25*	
23 21 13 23-0569	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let	83.47	
		For Weld-O-Lets, Add	*7.24*	
		For Sock-O-Lets, Add	*32.44*	
		For Work In Restricted Working Space, Add	*20.70*	
23 21 13 23-0570	EA	1", 3,000 LB, Forge Steel Thread-O-Let	94.63	
		For Weld-O-Lets, Add	*8.11*	
		For Sock-O-Lets, Add	*36.77*	
		For Work In Restricted Working Space, Add	*23.52*	
23 21 13 23-0571	EA	1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let	109.26	
		For Weld-O-Lets, Add	*11.51*	
		For Sock-O-Lets, Add	*42.67*	
		For Work In Restricted Working Space, Add	*25.88*	
23 21 13 23-0572	EA	2", 3,000 LB, Forge Steel Thread-O-Let	124.60	
		For Weld-O-Lets, Add	*14.39*	
		For Sock-O-Lets, Add	*48.79*	
		For Work In Restricted Working Space, Add	*28.75*	
23 21 13 23-0573	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	227.63	
		For Weld-O-Lets, Add	*52.21*	
		For Sock-O-Lets, Add	*91.72*	
		For Work In Restricted Working Space, Add	*36.96*	
23 21 13 23-0574	EA	3", 3,000 LB, Forge Steel Thread-O-Let	277.53	
		For Weld-O-Lets, Add	*52.52*	
		For Sock-O-Lets, Add	*110.71*	
		For Work In Restricted Working Space, Add	*51.75*	
23 21 13 23-0575	EA	4", 3,000 LB, Forge Steel Thread-O-Let	421.22	
		For Weld-O-Lets, Add	*102.80*	
		For Sock-O-Lets, Add	*170.34*	
		For Work In Restricted Working Space, Add	*64.69*	

23 21 13 23-0576 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0577	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	12.11	
		For Zinc Plated, Add	*3.39*	
		For Hot Dip Galvanized, Add	*4.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*8.48*	
23 21 13 23-0578	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	15.44	
		For Zinc Plated, Add	*4.32*	
		For Hot Dip Galvanized, Add	*6.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.81*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0579	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.59	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.37*	
		For Hot Dip Galvanized, Add	*6.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.91*	
23 21 13 23-0580	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.64	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.38*	
		For Hot Dip Galvanized, Add	*6.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.95*	
23 21 13 23-0581	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	35.39	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*9.91*	
		For Hot Dip Galvanized, Add	*14.16*	
		For Advanced Fluoropolymer (Blue Coating), Add	*24.77*	
23 21 13 23-0582	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	50.58	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*14.16*	
		For Hot Dip Galvanized, Add	*20.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*35.41*	
23 21 13 23-0583	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	54.63	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*15.30*	
		For Hot Dip Galvanized, Add	*21.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*38.24*	
23 21 13 23-0584	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	59.73	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*16.72*	
		For Hot Dip Galvanized, Add	*23.89*	
		For Advanced Fluoropolymer (Blue Coating), Add	*41.81*	
23 21 13 23-0585	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	132.63	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*37.14*	
		For Hot Dip Galvanized, Add	*53.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*92.84*	
23 21 13 23-0586	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	134.80	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*37.74*	
		For Hot Dip Galvanized, Add	*53.92*	
		For Advanced Fluoropolymer (Blue Coating), Add	*94.36*	
23 21 13 23-0587	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	151.15	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*42.32*	
		For Hot Dip Galvanized, Add	*60.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*105.81*	
23 21 13 23-0588	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	251.89	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*70.53*	
		For Hot Dip Galvanized, Add	*100.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*176.32*	
23 21 13 23-0589	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	363.94	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*101.90*	
		For Hot Dip Galvanized, Add	*145.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*254.76*	
23 21 13 23-0590	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	459.73	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*128.72*	
		For Hot Dip Galvanized, Add	*183.89*	
		For Advanced Fluoropolymer (Blue Coating), Add	*321.81*	
23 21 13 23-0591	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	655.92	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*183.66*	
		For Hot Dip Galvanized, Add	*262.37*	
		For Advanced Fluoropolymer (Blue Coating), Add	*459.14*	
23 21 13 23-0592	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,035.74	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*290.01*	
		For Hot Dip Galvanized, Add	*414.30*	
		For Advanced Fluoropolymer (Blue Coating), Add	*725.02*	
23 21 13 23-0593	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,474.91	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*412.97*	
		For Hot Dip Galvanized, Add	*589.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,032.44*	

23 21 13 23-0594 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0595	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	18.94	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.30*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0596	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	35.51	
		For Zinc Plated, Add	*9.94*	
		For Hot Dip Galvanized, Add	*14.20*	
		For Advanced Fluoropolymer (Blue Coating), Add	*24.86*	
23 21 13 23-0597	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	55.76	
		For Zinc Plated, Add	*15.61*	
		For Hot Dip Galvanized, Add	*22.30*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.03*	
23 21 13 23-0598	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	60.57	
		For Zinc Plated, Add	*16.96*	
		For Hot Dip Galvanized, Add	*24.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*42.40*	
23 21 13 23-0599	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	61.79	
		For Zinc Plated, Add	*17.30*	
		For Hot Dip Galvanized, Add	*24.72*	
		For Advanced Fluoropolymer (Blue Coating), Add	*43.25*	
23 21 13 23-0600	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	65.52	
		For Zinc Plated, Add	*18.35*	
		For Hot Dip Galvanized, Add	*26.21*	
		For Advanced Fluoropolymer (Blue Coating), Add	*45.86*	
23 21 13 23-0601	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	95.29	
		For Zinc Plated, Add	*26.68*	
		For Hot Dip Galvanized, Add	*38.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*66.70*	
23 21 13 23-0602	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	148.12	
		For Zinc Plated, Add	*41.47*	
		For Hot Dip Galvanized, Add	*59.25*	
		For Advanced Fluoropolymer (Blue Coating), Add	*103.68*	
23 21 13 23-0603	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	272.69	
		For Zinc Plated, Add	*76.35*	
		For Hot Dip Galvanized, Add	*109.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*190.88*	
23 21 13 23-0604	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	394.29	
		For Zinc Plated, Add	*110.40*	
		For Hot Dip Galvanized, Add	*157.72*	
		For Advanced Fluoropolymer (Blue Coating), Add	*276.00*	
23 21 13 23-0605	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	540.16	
		For Zinc Plated, Add	*151.24*	
		For Hot Dip Galvanized, Add	*216.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*378.11*	
23 21 13 23-0606	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	746.77	
		For Zinc Plated, Add	*209.10*	
		For Hot Dip Galvanized, Add	*298.71*	
		For Advanced Fluoropolymer (Blue Coating), Add	*522.74*	
23 21 13 23-0607	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	958.43	
		For Zinc Plated, Add	*268.36*	
		For Hot Dip Galvanized, Add	*383.37*	
		For Advanced Fluoropolymer (Blue Coating), Add	*670.90*	
23 21 13 23-0608	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,016.63	
		For Zinc Plated, Add	*284.66*	
		For Hot Dip Galvanized, Add	*406.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*711.64*	
23 21 13 23-0609	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,287.62	
		For Zinc Plated, Add	*360.53*	
		For Hot Dip Galvanized, Add	*515.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*901.33*	
23 21 13 23-0610	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,019.42	
		For Zinc Plated, Add	*565.44*	
		For Hot Dip Galvanized, Add	*807.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,413.59*	
23 21 13 23-0611	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	3,072.49	
		For Zinc Plated, Add	*860.30*	
		For Hot Dip Galvanized, Add	*1,229.00*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,150.74*	

23 21 13 23-0612 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0613	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	12.11	
23 21 13 23-0614	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	26.38	
23 21 13 23-0615	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	26.44	
23 21 13 23-0616	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	26.49	
23 21 13 23-0617	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	55.84	
23 21 13 23-0618	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	70.88	
23 21 13 23-0619	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	79.98	
23 21 13 23-0620	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	80.53	
23 21 13 23-0621	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	207.32	
23 21 13 23-0622	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	208.36	
23 21 13 23-0623	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	315.06	
23 21 13 23-0624	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	419.64	
23 21 13 23-0625	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	1,088.75	
23 21 13 23-0626	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	1,261.59	
23 21 13 23-0627	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	1,456.73	

23 21 13 23-0628 150 LB, Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.

23 21 13 23-0629	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	25.64	
		For 300 LB Rating Gasket Set, Add	*0.02*	
		For 150 LB Rating Teflon Gasket Set, Add	*0.54*	
		For 300 LB Rating Teflon Gasket Set, Add	*0.62*	
		For Work In Restricted Working Space, Add	*7.67*	
23 21 13 23-0630	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	27.38	
		For 300 LB Rating Gasket Set, Add	*0.04*	
		For 150 LB Rating Teflon Gasket Set, Add	*0.77*	
		For 300 LB Rating Teflon Gasket Set, Add	*0.89*	
		For Work In Restricted Working Space, Add	*8.18*	
23 21 13 23-0631	EA	1", 150 LB, Rubber Flange Gasket Replacement	30.00	
		For 300 LB Rating Gasket Set, Add	*0.06*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.31*	
		For 300 LB Rating Teflon Gasket Set, Add	*1.51*	
		For Work In Restricted Working Space, Add	*8.95*	
23 21 13 23-0632	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	32.58	
		For 300 LB Rating Gasket Set, Add	*0.07*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.47*	
		For 300 LB Rating Teflon Gasket Set, Add	*1.69*	
		For Work In Restricted Working Space, Add	*9.72*	
23 21 13 23-0633	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	36.04	
		For 300 LB Rating Gasket Set, Add	*0.08*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.86*	
		For 300 LB Rating Teflon Gasket Set, Add	*2.14*	
		For Work In Restricted Working Space, Add	*10.74*	
23 21 13 23-0634	EA	2", 150 LB, Rubber Flange Gasket Replacement	39.56	
		For 300 LB Rating Gasket Set, Add	*0.12*	
		For 150 LB Rating Teflon Gasket Set, Add	*2.63*	
		For 300 LB Rating Teflon Gasket Set, Add	*3.03*	
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-0635	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	46.49	
		For 300 LB Rating Gasket Set, Add	*0.16*	
		For 150 LB Rating Teflon Gasket Set, Add	*3.56*	
		For 300 LB Rating Teflon Gasket Set, Add	*4.09*	
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0636	EA	3", 150 LB, Rubber Flange Gasket Replacement	49.12	
		For 300 LB Rating Gasket Set, Add	*0.19*	
		For 150 LB Rating Teflon Gasket Set, Add	*4.10*	
		For 300 LB Rating Teflon Gasket Set, Add	*4.72*	
		For Work In Restricted Working Space, Add	*14.58*	
23 21 13 23-0637	EA	4", 150 LB, Rubber Flange Gasket Replacement	64.81	
		For 300 LB Rating Gasket Set, Add	*0.30*	
		For 150 LB Rating Teflon Gasket Set, Add	*6.73*	
		For 300 LB Rating Teflon Gasket Set, Add	*7.74*	
		For Work In Restricted Working Space, Add	*19.18*	
23 21 13 23-0638	EA	5", 150 LB, Rubber Flange Gasket Replacement	75.14	
		For 300 LB Rating Gasket Set, Add	*0.34*	
		For 150 LB Rating Teflon Gasket Set, Add	*7.50*	
		For 300 LB Rating Teflon Gasket Set, Add	*8.63*	
		For Work In Restricted Working Space, Add	*22.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0639	EA	6", 150 LB, Rubber Flange Gasket Replacement	85.65	
		For 300 LB Rating Gasket Set, Add	*0.44*	
		For 150 LB Rating Teflon Gasket Set, Add	*9.74*	
		For 300 LB Rating Teflon Gasket Set, Add	*11.21*	
		For Work In Restricted Working Space, Add	*25.32*	
23 21 13 23-0640	EA	8", 150 LB, Rubber Flange Gasket Replacement	104.14	
		For 300 LB Rating Gasket Set, Add	*0.64*	
		For 150 LB Rating Teflon Gasket Set, Add	*14.22*	
		For 300 LB Rating Teflon Gasket Set, Add	*16.38*	
		For Work In Restricted Working Space, Add	*30.69*	
23 21 13 23-0641	EA	10", 150 LB, Rubber Flange Gasket Replacement	111.73	
		For 300 LB Rating Gasket Set, Add	*0.92*	
		For 150 LB Rating Teflon Gasket Set, Add	*20.25*	
		For 300 LB Rating Teflon Gasket Set, Add	*23.32*	
		For Work In Restricted Working Space, Add	*32.73*	
23 21 13 23-0642	EA	12", 150 LB, Rubber Flange Gasket Replacement	126.95	
		For 300 LB Rating Gasket Set, Add	*1.17*	
		For 150 LB Rating Teflon Gasket Set, Add	*25.82*	
		For 300 LB Rating Teflon Gasket Set, Add	*29.73*	
		For Work In Restricted Working Space, Add	*37.08*	
23 21 13 23-0643	EA	14", 150 LB, Rubber Flange Gasket Replacement	131.87	
		For 300 LB Rating Gasket Set, Add	*1.40*	
		For 150 LB Rating Teflon Gasket Set, Add	*30.92*	
		For 300 LB Rating Teflon Gasket Set, Add	*35.60*	
		For Work In Restricted Working Space, Add	*38.36*	
23 21 13 23-0644	EA	16", 150 LB, Rubber Flange Gasket Replacement	174.95	
		For 300 LB Rating Gasket Set, Add	*1.56*	
		For 150 LB Rating Teflon Gasket Set, Add	*34.48*	
		For 300 LB Rating Teflon Gasket Set, Add	*39.69*	
		For Work In Restricted Working Space, Add	*51.15*	
23 21 13 23-0645	EA	18", 150 LB, Rubber Flange Gasket Replacement	191.33	
		For 300 LB Rating Gasket Set, Add	*1.63*	
		For 150 LB Rating Teflon Gasket Set, Add	*35.94*	
		For 300 LB Rating Teflon Gasket Set, Add	*41.39*	
		For Work In Restricted Working Space, Add	*56.00*	
23 21 13 23-0646	EA	20", 150 LB, Rubber Flange Gasket Replacement	232.58	
		For 300 LB Rating Gasket Set, Add	*1.75*	
		For 150 LB Rating Teflon Gasket Set, Add	*38.57*	
		For 300 LB Rating Teflon Gasket Set, Add	*44.41*	
		For Work In Restricted Working Space, Add	*68.28*	

23 21 13 23-0647 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0648	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	18.51	
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-0649	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.00	
		For Work In Restricted Working Space, Add	*6.00*	
23 21 13 23-0650	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	22.49	
		For Work In Restricted Working Space, Add	*6.75*	
23 21 13 23-0651	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.60	
		For Work In Restricted Working Space, Add	*7.08*	
23 21 13 23-0652	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.99	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0653	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.84	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0654	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.70	
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-0655	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.48	
		For Work In Restricted Working Space, Add	*9.44*	
23 21 13 23-0656	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.25	
		For Work In Restricted Working Space, Add	*10.28*	
23 21 13 23-0657	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.03	
		For Work In Restricted Working Space, Add	*11.11*	
23 21 13 23-0658	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	39.81	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0659	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	43.51	
		For Work In Restricted Working Space, Add	*13.05*	
23 21 13 23-0660	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.21	
		For Work In Restricted Working Space, Add	*14.16*	
23 21 13 23-0661	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	50.91	
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-0662	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	54.61	
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-0663	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	57.39	
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-0664	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	60.17	
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-0665	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.87	
		For Work In Restricted Working Space, Add	*19.16*	

23 21 13 23-0666 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0667	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	18.62	9.48
		For Work In Restricted Working Space, Add	*4.66*	
23 21 13 23-0668	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	20.29	10.35
		For Work In Restricted Working Space, Add	*4.66*	
23 21 13 23-0669	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	21.10	10.18
		For Work In Restricted Working Space, Add	*4.57*	
23 21 13 23-0670	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	26.50	12.94
		For Work In Restricted Working Space, Add	*5.82*	
23 21 13 23-0671	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	42.44	19.15
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-0672	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	52.85	22.28
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-0673	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	70.44	27.74
		For Work In Restricted Working Space, Add	*12.49*	
23 21 13 23-0674	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	85.40	33.45
		For Work In Restricted Working Space, Add	*15.05*	
23 21 13 23-0675	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	109.33	43.41
		For Work In Restricted Working Space, Add	*19.53*	

23 21 13 23-0676 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.

23 21 13 23-0677 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0676)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0678 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0677)*

23 21 13 23-0679	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	563.81	39.79
		For Galvanized Fittings, Add	*403.33*	
		For Extra Heavy Weight Fittings, Add	*604.99*	
23 21 13 23-0680	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	628.89	44.31
		For Galvanized Fittings, Add	*449.94*	
		For Extra Heavy Weight Fittings, Add	*674.92*	
23 21 13 23-0681	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	620.50	48.91
		For Galvanized Fittings, Add	*437.78*	
		For Extra Heavy Weight Fittings, Add	*656.68*	
23 21 13 23-0682	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	792.05	56.83
		For Galvanized Fittings, Add	*565.47*	
		For Extra Heavy Weight Fittings, Add	*848.21*	
23 21 13 23-0683	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	1,121.50	63.64
		For Galvanized Fittings, Add	*820.85*	
		For Extra Heavy Weight Fittings, Add	*1,231.27*	
23 21 13 23-0684	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	1,179.89	73.87
		For Galvanized Fittings, Add	*855.30*	
		For Extra Heavy Weight Fittings, Add	*1,282.96*	
23 21 13 23-0685	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,507.74	81.80
		For Galvanized Fittings, Add	*1,108.03*	
		For Extra Heavy Weight Fittings, Add	*1,662.05*	

23 21 13 23-0686 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0677)*

23 21 13 23-0687	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,081.51	42.09
		For Galvanized Fittings, Add	*814.77*	
		For Extra Heavy Weight Fittings, Add	*1,222.15*	
23 21 13 23-0688	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,123.80	46.61
		For Galvanized Fittings, Add	*843.14*	
		For Extra Heavy Weight Fittings, Add	*1,264.72*	
23 21 13 23-0689	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,404.26	52.83
		For Galvanized Fittings, Add	*1,060.02*	
		For Extra Heavy Weight Fittings, Add	*1,590.02*	
23 21 13 23-0690	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,746.32	56.24
		For Galvanized Fittings, Add	*1,329.58*	
		For Extra Heavy Weight Fittings, Add	*1,994.36*	
23 21 13 23-0691	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,987.97	65.35
		For Galvanized Fittings, Add	*1,511.98*	
		For Extra Heavy Weight Fittings, Add	*2,267.98*	
23 21 13 23-0692	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	2,784.50	77.87
		For Galvanized Fittings, Add	*2,134.22*	
		For Extra Heavy Weight Fittings, Add	*3,201.32*	

23 21 13 23-0693 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0677)*

23 21 13 23-0694	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	746.23	39.79
		For Galvanized Fittings, Add	*549.26*	
		For Extra Heavy Weight Fittings, Add	*823.90*	
23 21 13 23-0695	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	775.84	44.31
		For Galvanized Fittings, Add	*567.50*	
		For Extra Heavy Weight Fittings, Add	*851.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0696	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	802.92	48.91
		For Galvanized Fittings, Add	*583.72*	
		For Extra Heavy Weight Fittings, Add	*875.58*	
23 21 13 23-0697	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	1,004.87	56.83
		For Galvanized Fittings, Add	*735.73*	
		For Extra Heavy Weight Fittings, Add	*1,103.59*	
23 21 13 23-0698	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,466.06	63.64
		For Galvanized Fittings, Add	*1,096.50*	
		For Extra Heavy Weight Fittings, Add	*1,644.74*	
23 21 13 23-0699	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,418.04	73.87
		For Galvanized Fittings, Add	*1,045.82*	
		For Extra Heavy Weight Fittings, Add	*1,568.74*	
23 21 13 23-0700	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,677.33	81.80
		For Galvanized Fittings, Add	*1,243.70*	
		For Extra Heavy Weight Fittings, Add	*1,865.56*	

23 21 13 23-0701 Flanged Steel, Tees *(23 21 13 23-0677)*

23 21 13 23-0702	EA	2" Standard Weight, Flanged Steel, Tee	715.24	59.65
		For Galvanized Fittings, Add	*500.62*	
		For Extra Heavy Weight Fittings, Add	*750.92*	
23 21 13 23-0703	EA	2-1/2" Standard Weight, Flanged Steel, Tee	933.21	66.46
		For Galvanized Fittings, Add	*666.82*	
		For Extra Heavy Weight Fittings, Add	*1,000.22*	
23 21 13 23-0704	EA	3" Standard Weight, Flanged Steel, Tee	839.58	73.27
		For Galvanized Fittings, Add	*583.73*	
		For Extra Heavy Weight Fittings, Add	*875.59*	
23 21 13 23-0705	EA	4" Standard Weight, Flanged Steel, Tee	1,217.18	85.29
		For Galvanized Fittings, Add	*871.50*	
		For Extra Heavy Weight Fittings, Add	*1,307.24*	
23 21 13 23-0706	EA	5" Standard Weight, Flanged Steel, Tee	1,836.46	95.52
		For Galvanized Fittings, Add	*1,354.65*	
		For Extra Heavy Weight Fittings, Add	*2,031.97*	
23 21 13 23-0707	EA	6" Standard Weight, Flanged Steel, Tee	2,246.47	110.85
		For Galvanized Fittings, Add	*1,664.26*	
		For Extra Heavy Weight Fittings, Add	*2,496.40*	
23 21 13 23-0708	EA	8" Standard Weight, Flanged Steel, Tee	2,482.11	128.40
		For Galvanized Fittings, Add	*1,831.64*	
		For Extra Heavy Weight Fittings, Add	*2,747.46*	

23 21 13 23-0709 Flanged Steel, Reducing Tees *(23 21 13 23-0677)*

23 21 13 23-0710	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	1,157.81	64.25
		For Galvanized Fittings, Add	*849.22*	
		For Extra Heavy Weight Fittings, Add	*1,273.84*	
23 21 13 23-0711	EA	3" Standard Weight, Flanged Steel, Reducing Tee	1,340.32	71.06
		For Galvanized Fittings, Add	*987.05*	
		For Extra Heavy Weight Fittings, Add	*1,480.57*	
23 21 13 23-0712	EA	4" Standard Weight, Flanged Steel, Reducing Tee	2,343.55	81.29
		For Galvanized Fittings, Add	*1,777.37*	
		For Extra Heavy Weight Fittings, Add	*2,666.05*	
23 21 13 23-0713	EA	5" Standard Weight, Flanged Steel, Reducing Tee	2,529.35	92.10
		For Galvanized Fittings, Add	*1,913.05*	
		For Extra Heavy Weight Fittings, Add	*2,869.57*	
23 21 13 23-0714	EA	6" Standard Weight, Flanged Steel, Reducing Tee	3,188.61	105.74
		For Galvanized Fittings, Add	*2,424.10*	
		For Extra Heavy Weight Fittings, Add	*3,636.14*	
23 21 13 23-0715	EA	8" Standard Weight, Flanged Steel, Reducing Tee	3,993.51	118.77
		For Galvanized Fittings, Add	*3,052.34*	
		For Extra Heavy Weight Fittings, Add	*4,578.52*	

23 21 13 23-0716 Flanged Steel, Concentric Reducers *(23 21 13 23-0677)*

23 21 13 23-0717	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	1,108.60	46.61
		For Galvanized Fittings, Add	*830.98*	
		For Extra Heavy Weight Fittings, Add	*1,246.48*	
23 21 13 23-0718	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	1,259.85	52.83
		For Galvanized Fittings, Add	*944.49*	
		For Extra Heavy Weight Fittings, Add	*1,416.73*	
23 21 13 23-0719	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,886.55	60.24
		For Galvanized Fittings, Add	*1,436.99*	
		For Extra Heavy Weight Fittings, Add	*2,155.49*	
23 21 13 23-0720	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	2,081.72	65.35
		For Galvanized Fittings, Add	*1,586.98*	
		For Extra Heavy Weight Fittings, Add	*2,380.48*	
23 21 13 23-0721	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	2,437.41	77.87
		For Galvanized Fittings, Add	*1,856.54*	
		For Extra Heavy Weight Fittings, Add	*2,784.82*	

23 21 13 23-0722 Flanged Steel, Eccentric Reducers *(23 21 13 23-0677)*

23 21 13 23-0723	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	1,475.19	52.83
		For Galvanized Fittings, Add	*1,116.76*	
		For Extra Heavy Weight Fittings, Add	*1,675.14*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21 13 23-0724	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	2,023.36	60.24
			For Galvanized Fittings, Add	*1,546.44*	
			For Extra Heavy Weight Fittings, Add	*2,319.66*	

23 21 13 23-0725 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0726 Plain End Piping System Couplings *(23 21 13 23-0725)*

23 21 13 23-0727 Plainlock Plain End Piping System Couplings *(23 21 13 23-0726)*

Note: Ductile iron body with gasket, bolts and nuts.

	23 21 13 23-0728	EA	1" Plainlock Plain End Piping System Coupling	146.01	5.11
			For Galvanized Fittings, Add	*27.67*	
	23 21 13 23-0729	EA	1-1/2" Plainlock Plain End Piping System Coupling	148.99	7.07
			For Galvanized Fittings, Add	*27.67*	
	23 21 13 23-0730	EA	2" Plainlock Plain End Piping System Coupling	152.45	9.37
			For Galvanized Fittings, Add	*27.67*	
	23 21 13 23-0731	EA	2-1/2" Plainlock Plain End Piping System Coupling	155.39	11.33
			For Galvanized Fittings, Add	*27.67*	
	23 21 13 23-0732	EA	3" Plainlock Plain End Piping System Coupling	183.71	13.64
			For Galvanized Fittings, Add	*32.65*	
	23 21 13 23-0733	EA	4" Plainlock Plain End Piping System Coupling	253.46	18.15
			For Galvanized Fittings, Add	*45.24*	
	23 21 13 23-0734	EA	6" Plainlock Plain End Piping System Coupling	426.26	29.57
			For Galvanized Fittings, Add	*76.39*	

23 21 13 23-0735 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0726)*

Note: Ductile iron body with gasket, bolts and nuts.

	23 21 13 23-0736	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	175.85	7.07
			For Galvanized Fittings, Add	*41.30*	
	23 21 13 23-0737	EA	2" Roust-A-Bout Plain End Piping System Coupling	179.31	9.37
			For Galvanized Fittings, Add	*41.30*	
	23 21 13 23-0738	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	182.26	11.42
			For Galvanized Fittings, Add	*41.30*	
	23 21 13 23-0739	EA	3" Roust-A-Bout Plain End Piping System Coupling	265.16	13.64
			For Galvanized Fittings, Add	*61.18*	
	23 21 13 23-0740	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	307.09	15.93
			For Galvanized Fittings, Add	*70.80*	
	23 21 13 23-0741	EA	4" Roust-A-Bout Plain End Piping System Coupling	310.46	18.15
			For Galvanized Fittings, Add	*70.80*	
	23 21 13 23-0742	EA	5" Roust-A-Bout Plain End Piping System Coupling	438.71	22.75
			For Galvanized Fittings, Add	*101.15*	
	23 21 13 23-0743	EA	6" Roust-A-Bout Plain End Piping System Coupling	538.48	29.57
			For Galvanized Fittings, Add	*123.54*	
	23 21 13 23-0744	EA	8" Roust-A-Bout Plain End Piping System Coupling	929.12	35.27
			For Galvanized Fittings, Add	*219.06*	
	23 21 13 23-0745	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,202.61	41.75
			For Galvanized Fittings, Add	*284.99*	
	23 21 13 23-0746	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,504.56	49.42
			For Galvanized Fittings, Add	*357.61*	
	23 21 13 23-0747	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,113.14	54.62
			For Galvanized Fittings, Add	*507.80*	
	23 21 13 23-0748	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,874.21	61.77
			For Galvanized Fittings, Add	*695.40*	

23 21 13 23-0749 Plain End Piping System Fittings *(23 21 13 23-0725)*

Note: Cast ductile iron bodies.

23 21 13 23-0750 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0749)*

	23 21 13 23-0751	EA	1" Plain End Piping System, 90 Degree Elbow	144.51	9.29
			For Galvanized Fittings, Add	*26.12*	
	23 21 13 23-0752	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	151.68	14.06
			For Galvanized Fittings, Add	*26.12*	
	23 21 13 23-0753	EA	2" Plain End Piping System, 90 Degree Elbow	158.44	18.58
			For Galvanized Fittings, Add	*26.12*	
	23 21 13 23-0754	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	164.51	22.66
			For Galvanized Fittings, Add	*26.12*	
	23 21 13 23-0755	EA	3" Plain End Piping System, 90 Degree Elbow	197.97	27.43
			For Galvanized Fittings, Add	*31.37*	
	23 21 13 23-0756	EA	4" Plain End Piping System, 90 Degree Elbow	282.94	36.13
			For Galvanized Fittings, Add	*45.75*	
	23 21 13 23-0757	EA	5" Plain End Piping System, 90 Degree Elbow	859.61	45.25
			For Galvanized Fittings, Add	*158.35*	
	23 21 13 23-0758	EA	6" Plain End Piping System, 90 Degree Elbow	718.34	59.22
			For Galvanized Fittings, Add	*125.92*	
	23 21 13 23-0759	EA	8" Plain End Piping System, 90 Degree Elbow	1,435.18	70.30
			For Galvanized Fittings, Add	*265.95*	
	23 21 13 23-0760	EA	10" Plain End Piping System, 90 Degree Elbow	1,794.41	82.14
			For Galvanized Fittings, Add	*334.26*	
	23 21 13 23-0761	EA	12" Plain End Piping System, 90 Degree Elbow	2,275.84	98.67
			For Galvanized Fittings, Add	*425.58*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0762		**Plain End Piping System, 45 Degree Elbows** *(23 21 13 23-0749)*		
23 21 13 23-0763	EA	1" Plain End Piping System, 45 Degree Elbow	144.51	9.29
		For Galvanized Fittings, Add	*26.12*	
23 21 13 23-0764	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	151.68	14.06
		For Galvanized Fittings, Add	*26.12*	
23 21 13 23-0765	EA	2" Plain End Piping System, 45 Degree Elbow	158.44	18.58
		For Galvanized Fittings, Add	*26.12*	
23 21 13 23-0766	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	164.51	22.66
		For Galvanized Fittings, Add	*26.12*	
23 21 13 23-0767	EA	3" Plain End Piping System, 45 Degree Elbow	197.97	27.43
		For Galvanized Fittings, Add	*31.37*	
23 21 13 23-0768	EA	4" Plain End Piping System, 45 Degree Elbow	282.94	36.13
		For Galvanized Fittings, Add	*45.75*	
23 21 13 23-0769	EA	5" Plain End Piping System, 45 Degree Elbow	859.61	45.25
		For Galvanized Fittings, Add	*158.35*	
23 21 13 23-0770	EA	6" Plain End Piping System, 45 Degree Elbow	720.76	59.22
		For Galvanized Fittings, Add	*126.40*	
23 21 13 23-0771	EA	8" Plain End Piping System, 45 Degree Elbow	836.10	70.30
		For Galvanized Fittings, Add	*146.13*	
23 21 13 23-0772	EA	10" Plain End Piping System, 45 Degree Elbow	1,142.79	82.14
		For Galvanized Fittings, Add	*203.93*	
23 21 13 23-0773	EA	12" Plain End Piping System, 45 Degree Elbow	1,465.20	98.67
		For Galvanized Fittings, Add	*263.45*	
23 21 13 23-0774		**Plain End Piping System, Tees** *(23 21 13 23-0749)*		
23 21 13 23-0775	EA	1" Plain End Piping System, Tee	196.94	14.06
		For Galvanized Fittings, Add	*35.17*	
23 21 13 23-0776	EA	1-1/2" Plain End Piping System, Tee	207.50	21.13
		For Galvanized Fittings, Add	*35.17*	
23 21 13 23-0777	EA	2" Plain End Piping System, Tee	216.81	27.35
		For Galvanized Fittings, Add	*35.17*	
23 21 13 23-0778	EA	2-1/2" Plain End Piping System, Tee	226.09	33.48
		For Galvanized Fittings, Add	*35.17*	
23 21 13 23-0779	EA	3" Plain End Piping System, Tee	314.81	41.15
		For Galvanized Fittings, Add	*50.61*	
23 21 13 23-0780	EA	4" Plain End Piping System, Tee	431.73	53.26
		For Galvanized Fittings, Add	*70.39*	
23 21 13 23-0781	EA	5" Plain End Piping System, Tee	877.55	69.61
		For Galvanized Fittings, Add	*154.63*	
23 21 13 23-0782	EA	6" Plain End Piping System, Tee	1,084.86	87.16
		For Galvanized Fittings, Add	*190.84*	
23 21 13 23-0783	EA	8" Plain End Piping System, Tee	1,481.08	105.99
		For Galvanized Fittings, Add	*264.42*	
23 21 13 23-0784	EA	10" Plain End Piping System, Tee	2,204.22	123.54
		For Galvanized Fittings, Add	*403.80*	
23 21 13 23-0785	EA	12" Plain End Piping System, Tee	2,953.13	148.00
		For Galvanized Fittings, Add	*546.25*	
23 21 13 23-0786		**Plain End Piping System, Reducing Tees** *(23 21 13 23-0749)*		
23 21 13 23-0787	EA	1-1/2" Plain End Piping System, Reducing Tee	381.55	22.66
		For Galvanized Fittings, Add	*69.52*	
23 21 13 23-0788	EA	2" Plain End Piping System, Reducing Tee	388.55	27.35
		For Galvanized Fittings, Add	*69.52*	
23 21 13 23-0789	EA	2-1/2" Plain End Piping System, Reducing Tee	397.83	33.48
		For Galvanized Fittings, Add	*69.52*	
23 21 13 23-0790	EA	3" Plain End Piping System, Reducing Tee	409.33	41.15
		For Galvanized Fittings, Add	*69.52*	
23 21 13 23-0791	EA	4" Plain End Piping System, Reducing Tee	592.94	53.26
		For Galvanized Fittings, Add	*102.63*	
23 21 13 23-0792	EA	6" Plain End Piping System, Reducing Tee	1,002.08	87.16
		For Galvanized Fittings, Add	*174.28*	
23 21 13 23-0793	EA	8" Plain End Piping System, Reducing Tee	1,306.56	105.99
		For Galvanized Fittings, Add	*229.52*	
23 21 13 23-0794	EA	10" Plain End Piping System, Reducing Tee	1,954.42	123.54
		For Galvanized Fittings, Add	*353.84*	
23 21 13 23-0795	EA	12" Plain End Piping System, Reducing Tee	2,881.65	148.00
		For Galvanized Fittings, Add	*531.95*	
23 21 13 23-0796		**Plain End Piping System, Wyes** *(23 21 13 23-0749)*		
23 21 13 23-0797	EA	2" Plain End Piping System, Wye	556.06	27.35
		For Galvanized Fittings, Add	*103.02*	
23 21 13 23-0798	EA	2-1/2" Plain End Piping System, Wye	565.34	33.48
		For Galvanized Fittings, Add	*103.02*	
23 21 13 23-0799	EA	3" Plain End Piping System, Wye	640.74	41.15
		For Galvanized Fittings, Add	*115.80*	
23 21 13 23-0800	EA	4" Plain End Piping System, Wye	939.20	53.26
		For Galvanized Fittings, Add	*171.88*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0801	EA	5" Plain End Piping System, Wye	1,150.22	69.61
		For Galvanized Fittings, Add	*209.16*	
23 21 13 23-0802	EA	6" Plain End Piping System, Wye	1,570.79	87.16
		For Galvanized Fittings, Add	*288.02*	
23 21 13 23-0803	EA	8" Plain End Piping System, Wye	2,024.01	105.99
		For Galvanized Fittings, Add	*373.01*	
23 21 13 23-0804	EA	10" Plain End Piping System, Wye	2,935.47	123.54
		For Galvanized Fittings, Add	*550.05*	
23 21 13 23-0805	EA	12" Plain End Piping System, Wye	4,461.62	148.00
		For Galvanized Fittings, Add	*847.95*	

23 21 13 23-0806 Plain End Piping System, Laterals *(23 21 13 23-0749)*

23 21 13 23-0807	EA	2" Plain End Piping System, Lateral	592.48	27.35
		For Galvanized Fittings, Add	*110.30*	
23 21 13 23-0808	EA	2-1/2" Plain End Piping System, Lateral	601.76	33.48
		For Galvanized Fittings, Add	*110.30*	
23 21 13 23-0809	EA	3" Plain End Piping System, Lateral	676.93	41.15
		For Galvanized Fittings, Add	*123.04*	
23 21 13 23-0810	EA	4" Plain End Piping System, Lateral	1,008.31	53.26
		For Galvanized Fittings, Add	*185.71*	
23 21 13 23-0811	EA	5" Plain End Piping System, Lateral	1,314.82	69.61
		For Galvanized Fittings, Add	*242.08*	
23 21 13 23-0812	EA	6" Plain End Piping System, Lateral	1,676.69	87.16
		For Galvanized Fittings, Add	*309.20*	
23 21 13 23-0813	EA	8" Plain End Piping System, Lateral	2,413.00	105.99
		For Galvanized Fittings, Add	*450.81*	
23 21 13 23-0814	EA	10" Plain End Piping System, Lateral	3,367.06	123.54
		For Galvanized Fittings, Add	*636.37*	
23 21 13 23-0815	EA	12" Plain End Piping System, Lateral	4,525.77	148.00
		For Galvanized Fittings, Add	*860.78*	

23 21 13 23-0816 Plain End Piping System, Crosses *(23 21 13 23-0749)*

23 21 13 23-0817	EA	2" Plain End Piping System, Cross	660.24	40.98
		For Galvanized Fittings, Add	*74.86*	
23 21 13 23-0818	EA	2-1/2" Plain End Piping System, Cross	674.12	50.19
		For Galvanized Fittings, Add	*74.86*	
23 21 13 23-0819	EA	3" Plain End Piping System, Cross	787.20	61.77
		For Galvanized Fittings, Add	*86.82*	
23 21 13 23-0820	EA	4" Plain End Piping System, Cross	1,073.85	79.84
		For Galvanized Fittings, Add	*119.27*	
23 21 13 23-0821	EA	5" Plain End Piping System, Cross	1,511.89	104.46
		For Galvanized Fittings, Add	*169.41*	
23 21 13 23-0822	EA	6" Plain End Piping System, Cross	1,984.95	130.37
		For Galvanized Fittings, Add	*223.69*	
23 21 13 23-0823	EA	8" Plain End Piping System, Cross	2,532.46	157.88
		For Galvanized Fittings, Add	*286.97*	
23 21 13 23-0824	EA	10" Plain End Piping System, Cross	3,626.33	184.55
		For Galvanized Fittings, Add	*418.71*	
23 21 13 23-0825	EA	12" Plain End Piping System, Cross	5,162.82	222.05
		For Galvanized Fittings, Add	*603.75*	

23 21 13 23-0826 Plain End Piping System, Adapter Nipples *(23 21 13 23-0749)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0827	EA	1" Plain End Piping System, Adapter Nipple	23.77	5.11
		For Galvanized Fittings, Add	*4.03*	
23 21 13 23-0828	EA	1-1/2" Plain End Piping System, Adapter Nipple	27.19	7.07
		For Galvanized Fittings, Add	*4.14*	
23 21 13 23-0829	EA	2" Plain End Piping System, Adapter Nipple	30.56	9.37
		For Galvanized Fittings, Add	*4.14*	
23 21 13 23-0830	EA	2-1/2" Plain End Piping System, Adapter Nipple	36.42	11.33
		For Galvanized Fittings, Add	*4.85*	
23 21 13 23-0831	EA	3" Plain End Piping System, Adapter Nipple	44.40	13.64
		For Galvanized Fittings, Add	*5.99*	
23 21 13 23-0832	EA	4" Plain End Piping System, Adapter Nipple	67.30	18.15
		For Galvanized Fittings, Add	*10.01*	
23 21 13 23-0833	EA	6" Plain End Piping System, Adapter Nipple	142.38	22.75
		For Galvanized Fittings, Add	*27.07*	

23 21 13 23-0834 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0749)*

23 21 13 23-0835	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	72.42	12.19
		For Galvanized Fittings, Add	*13.53*	
23 21 13 23-0836	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	75.84	14.48
		For Galvanized Fittings, Add	*13.53*	
23 21 13 23-0837	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	79.28	16.79
		For Galvanized Fittings, Add	*13.53*	
23 21 13 23-0838	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	78.44	16.27
		For Galvanized Fittings, Add	*13.53*	
23 21 13 23-0839	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	81.80	18.49
		For Galvanized Fittings, Add	*13.53*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0840	EA		2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	85.20	20.70
			For Galvanized Fittings, Add	*13.53*	
23 21 13 23-0841	EA		3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	93.96	18.75
			For Galvanized Fittings, Add	*16.47*	
23 21 13 23-0842	EA		3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	96.99	20.70
			For Galvanized Fittings, Add	*16.47*	
23 21 13 23-0843	EA		3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	85.21	23.01
			For Galvanized Fittings, Add	*12.67*	
23 21 13 23-0844	EA		3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	91.80	27.43
			For Galvanized Fittings, Add	*12.67*	
23 21 13 23-0845	EA		3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	104.87	29.57
			For Galvanized Fittings, Add	*15.15*	
23 21 13 23-0846	EA		4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	127.57	23.26
			For Galvanized Fittings, Add	*23.16*	
23 21 13 23-0847	EA		4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	130.55	25.31
			For Galvanized Fittings, Add	*23.16*	
23 21 13 23-0848	EA		4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	111.52	27.61
			For Galvanized Fittings, Add	*17.54*	
23 21 13 23-0849	EA		4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	114.44	29.57
			For Galvanized Fittings, Add	*17.54*	
23 21 13 23-0850	EA		4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	117.92	31.86
			For Galvanized Fittings, Add	*17.54*	
23 21 13 23-0851	EA		4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	121.24	34.09
			For Galvanized Fittings, Add	*17.54*	
23 21 13 23-0852	EA		5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	306.20	32.12
			For Galvanized Fittings, Add	*64.50*	
23 21 13 23-0853	EA		5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	253.62	36.30
			For Galvanized Fittings, Add	*49.79*	
23 21 13 23-0854	EA		5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	225.26	40.98
			For Galvanized Fittings, Add	*40.97*	
23 21 13 23-0855	EA		6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	543.56	34.68
			For Galvanized Fittings, Add	*122.90*	
23 21 13 23-0856	EA		6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	546.50	36.64
			For Galvanized Fittings, Add	*122.90*	
23 21 13 23-0857	EA		6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	421.97	38.94
			For Galvanized Fittings, Add	*90.90*	
23 21 13 23-0858	EA		6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	425.00	40.98
			For Galvanized Fittings, Add	*90.90*	
23 21 13 23-0859	EA		6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	300.40	43.20
			For Galvanized Fittings, Add	*58.91*	
23 21 13 23-0860	EA		6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	303.49	45.25
			For Galvanized Fittings, Add	*58.91*	
23 21 13 23-0861	EA		6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	250.19	47.71
			For Galvanized Fittings, Add	*44.68*	
23 21 13 23-0862	EA		6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	283.23	52.23
			For Galvanized Fittings, Add	*51.23*	
23 21 13 23-0863	EA		8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	357.39	48.82
			For Galvanized Fittings, Add	*71.05*	
23 21 13 23-0864	EA		8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	364.27	53.43
			For Galvanized Fittings, Add	*71.05*	
23 21 13 23-0865	EA		8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	410.24	58.03
			For Galvanized Fittings, Add	*80.83*	
23 21 13 23-0866	EA		8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	459.67	64.84
			For Galvanized Fittings, Add	*90.60*	

23 21 13 23-0867 Plain End Piping System, Bull Plugs *(23 21 13 23-0749)*

23 21 13 23-0868	EA		1" Plain End Piping System, Bull Plug	291.60	5.11
			For Galvanized Fittings, Add	*85.18*	
23 21 13 23-0869	EA		1-1/2" Plain End Piping System, Bull Plug	294.58	7.07
			For Galvanized Fittings, Add	*85.18*	
23 21 13 23-0870	EA		2" Plain End Piping System, Bull Plug	297.95	9.37
			For Galvanized Fittings, Add	*85.18*	
23 21 13 23-0871	EA		2-1/2" Plain End Piping System, Bull Plug	300.97	11.33
			For Galvanized Fittings, Add	*85.18*	
23 21 13 23-0872	EA		3" Plain End Piping System, Bull Plug	436.67	13.64
			For Galvanized Fittings, Add	*124.87*	
23 21 13 23-0873	EA		4" Plain End Piping System, Bull Plug	564.87	18.15
			For Galvanized Fittings, Add	*161.28*	
23 21 13 23-0874	EA		5" Plain End Piping System, Bull Plug	984.15	22.75
			For Galvanized Fittings, Add	*285.02*	
23 21 13 23-0875	EA		6" Plain End Piping System, Bull Plug	1,311.46	29.57
			For Galvanized Fittings, Add	*380.15*	
23 21 13 23-0876	EA		8" Plain End Piping System, Bull Plug	2,435.14	35.19
			For Galvanized Fittings, Add	*714.70*	
23 21 13 23-0877	EA		10" Plain End Piping System, Bull Plug	4,386.43	41.15
			For Galvanized Fittings, Add	*1,297.41*	
23 21 13 23-0878	EA		12" Plain End Piping System, Bull Plug	6,724.72	49.42
			For Galvanized Fittings, Add	*1,995.18*	

23 21 13 23-0879 Carbon Steel Piping Systems *(23 21 13 23)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0880		Class 3,000 LB Carbon Steel Socket Weld Fittings *(23 21 13 23-0879)* Note: ASTM A105		
23 21 13 23-0881		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0882	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	31.73	16.87
23 21 13 23-0883	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	35.66	18.83
23 21 13 23-0884	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	45.21	21.04
23 21 13 23-0885	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	61.19	23.86
23 21 13 23-0886	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	69.91	26.84
23 21 13 23-0887	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	94.67	34.17
23 21 13 23-0888	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	186.12	50.53
23 21 13 23-0889	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	264.41	66.46
23 21 13 23-0890	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	454.06	69.51
23 21 13 23-0891		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0892	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	34.58	16.87
23 21 13 23-0893	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.98	18.83
23 21 13 23-0894	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	46.54	21.04
23 21 13 23-0895	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	62.87	23.86
23 21 13 23-0896	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	73.94	26.84
23 21 13 23-0897	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	94.59	34.17
23 21 13 23-0898	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	210.78	50.53
23 21 13 23-0899	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	285.27	66.46
23 21 13 23-0900	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	445.03	69.51
23 21 13 23-0901		Straight Tees, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0902	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	38.92	21.04
23 21 13 23-0903	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	47.04	24.28
23 21 13 23-0904	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	61.84	28.71
23 21 13 23-0905	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	81.84	34.17
23 21 13 23-0906	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	99.11	40.73
23 21 13 23-0907	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	130.95	50.53
23 21 13 23-0908	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	232.57	66.46
23 21 13 23-0909	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	317.92	78.90
23 21 13 23-0910	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	600.48	87.77
23 21 13 23-0911		Reducing Tees, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0912	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	39.71	21.04
23 21 13 23-0913	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	47.85	24.28
23 21 13 23-0914	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	62.81	28.71
23 21 13 23-0915	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	84.14	34.17
23 21 13 23-0916	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	101.80	40.73
23 21 13 23-0917	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	135.08	50.53
23 21 13 23-0918	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	242.37	66.46
23 21 13 23-0919	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	332.04	78.90
23 21 13 23-0920	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	550.25	87.77
23 21 13 23-0921		Straight Couplings, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0922	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	28.21	16.87
23 21 13 23-0923	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	31.77	18.83
23 21 13 23-0924	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	36.94	21.04
23 21 13 23-0925	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	42.51	23.86
23 21 13 23-0926	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	49.40	26.84
23 21 13 23-0927	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	64.49	34.17
23 21 13 23-0928	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB	109.24	50.53
23 21 13 23-0929	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	145.85	66.46
23 21 13 23-0930	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	196.34	69.51
23 21 13 23-0931		Reducing Couplings, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0932	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	29.80	16.87
23 21 13 23-0933	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	33.51	18.83
23 21 13 23-0934	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	39.73	21.04
23 21 13 23-0935	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	45.89	23.86
23 21 13 23-0936	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	54.42	26.84
23 21 13 23-0937	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	69.85	34.17
23 21 13 23-0938	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	121.04	50.53
23 21 13 23-0939	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	169.58	66.46
23 21 13 23-0940	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	245.67	69.51
23 21 13 23-0941		Caps, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0880)*		
23 21 13 23-0942	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	16.52	7.92
23 21 13 23-0943	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	18.75	8.43
23 21 13 23-0944	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	21.98	9.71
23 21 13 23-0945	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	25.46	10.57

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0946	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	29.01	10.57
23 21 13 23-0947	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	37.62	13.55
23 21 13 23-0948	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	65.91	16.87
23 21 13 23-0949	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	94.59	20.37
23 21 13 23-0950	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	135.59	23.79
23 21 13 23-0951		**Black Cast Iron Square Head Plug** *(23 21 13 23-0880)*		
23 21 13 23-0952	EA	1/2" Square Head Plug, Black, Cast Iron	11.07	6.73
23 21 13 23-0953	EA	3/4" Square Head Plug, Black, Cast Iron	12.58	6.73
23 21 13 23-0954	EA	1" Square Head Plug, Black, Cast Iron	18.09	10.22
23 21 13 23-0955	EA	1-1/4" Square Head Plug, Black, Cast Iron	18.39	10.22
23 21 13 23-0956	EA	1-1/2" Square Head Plug, Black, Cast Iron	19.65	10.22
23 21 13 23-0957	EA	2" Square Head Plug, Black, Cast Iron	26.04	13.55
23 21 13 23-0958	EA	2-1/2" Square Head Plug, Black, Cast Iron	33.49	16.87
23 21 13 23-0959	EA	3" Square Head Plug, Black, Cast Iron	43.76	20.37
23 21 13 23-0960	EA	4" Square Head Plug, Black, Cast Iron	51.24	23.79
23 21 13 23-0961		**Unions, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0880)*		
23 21 13 23-0962	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	48.15	21.04
23 21 13 23-0963	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	53.43	24.28
23 21 13 23-0964	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	67.91	28.71
23 21 13 23-0965	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	85.51	34.17
23 21 13 23-0966	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	102.98	40.73
23 21 13 23-0967	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	128.70	50.53
23 21 13 23-0968	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	217.92	54.87
23 21 13 23-0969	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	291.84	66.46
23 21 13 23-0970		**Class 6,000 LB Carbon Steel Socket Weld Fittings** *(23 21 13 23-0879)* Note: ASTM A105		
23 21 13 23-0971		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-0972	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	35.17	16.87
23 21 13 23-0973	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	39.60	18.83
23 21 13 23-0974	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	52.46	21.04
23 21 13 23-0975	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	74.70	23.86
23 21 13 23-0976	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	85.64	26.84
23 21 13 23-0977	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	117.78	34.17
23 21 13 23-0978	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	244.74	50.53
23 21 13 23-0979	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	351.91	66.46
23 21 13 23-0980	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	639.88	69.51
23 21 13 23-0981		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-0982	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	39.87	16.87
23 21 13 23-0983	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	46.62	18.83
23 21 13 23-0984	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	55.02	21.04
23 21 13 23-0985	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	78.23	23.86
23 21 13 23-0986	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	92.99	26.84
23 21 13 23-0987	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	119.17	34.17
23 21 13 23-0988	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	287.24	50.53
23 21 13 23-0989	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	390.37	66.46
23 21 13 23-0990	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	638.02	69.51
23 21 13 23-0991		**Straight Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-0992	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	45.74	21.04
23 21 13 23-0993	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	56.89	24.28
23 21 13 23-0994	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	79.27	28.71
23 21 13 23-0995	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	110.25	34.17
23 21 13 23-0996	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	134.34	40.73
23 21 13 23-0997	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	182.09	50.53
23 21 13 23-0998	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	355.68	66.46
23 21 13 23-0999	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	502.77	78.90
23 21 13 23-1000	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,034.77	87.77
23 21 13 23-1001		**Reducing Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-1002	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	39.71	21.04
23 21 13 23-1003	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	47.85	24.28
23 21 13 23-1004	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	62.81	28.71
23 21 13 23-1005	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	84.14	34.17
23 21 13 23-1006	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	101.80	40.73
23 21 13 23-1007	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	135.08	50.53
23 21 13 23-1008	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	242.37	66.46
23 21 13 23-1009	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	332.04	78.90
23 21 13 23-1010	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	550.25	87.77

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1011		**Straight Couplings, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-1012	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	29.64	16.87
23 21 13 23-1013	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	33.46	18.83
23 21 13 23-1014	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	39.53	21.04
23 21 13 23-1015	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	45.78	23.86
23 21 13 23-1016	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	53.81	26.84
23 21 13 23-1017	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	70.93	34.17
23 21 13 23-1018	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	125.44	50.53
23 21 13 23-1019	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	168.19	66.46
23 21 13 23-1020	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	240.90	69.51
23 21 13 23-1021		**Reducing Couplings, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-1022	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	31.99	16.87
23 21 13 23-1023	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	36.04	18.83
23 21 13 23-1024	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.66	21.04
23 21 13 23-1025	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	50.76	23.86
23 21 13 23-1026	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	61.20	26.84
23 21 13 23-1027	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	78.81	34.17
23 21 13 23-1028	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	142.78	50.53
23 21 13 23-1029	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	203.15	66.46
23 21 13 23-1030	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	313.59	69.51
23 21 13 23-1031		**Caps, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-1032	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	19.66	7.92
23 21 13 23-1033	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	22.86	8.43
23 21 13 23-1034	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	26.96	9.71
23 21 13 23-1035	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	31.96	10.57
23 21 13 23-1036	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	37.89	10.57
23 21 13 23-1037	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	49.21	13.55
23 21 13 23-1038	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	93.19	16.87
23 21 13 23-1039	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	137.58	20.37
23 21 13 23-1040	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	202.61	23.79
23 21 13 23-1041		**Black Cast Iron Square Head Plug** *(23 21 13 23-0970)*		
23 21 13 23-1042	EA	1/2" Square Head Plug, Black Cast Iron	11.07	6.73
23 21 13 23-1043	EA	3/4" Square Head Plug, Black Cast Iron	12.60	6.73
23 21 13 23-1044	EA	1" Square Head Plug, Black Cast Iron	18.10	10.22
23 21 13 23-1045	EA	1-1/4" Square Head Plug, Black Cast Iron	18.41	10.22
23 21 13 23-1046	EA	1-1/2" Square Head Plug, Black Cast Iron	19.67	10.22
23 21 13 23-1047	EA	2" Square Head Plug, Black Cast Iron	26.07	13.55
23 21 13 23-1048	EA	2-1/2" Square Head Plug, Black Cast Iron	33.53	16.87
23 21 13 23-1049	EA	3" Square Head Plug, Black Cast Iron	43.83	20.37
23 21 13 23-1050	EA	4" Square Head Plug, Black Cast Iron	51.32	23.79
23 21 13 23-1051		**Unions, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0970)*		
23 21 13 23-1052	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	58.29	21.04
23 21 13 23-1053	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	63.84	24.28
23 21 13 23-1054	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB	83.12	28.71
23 21 13 23-1055	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	106.50	34.17
23 21 13 23-1056	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	128.60	40.73
23 21 13 23-1057	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB	161.08	50.53
23 21 13 23-1058	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	300.83	54.87
23 21 13 23-1059	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB	409.36	66.46
23 21 13 23-1060		**Carbon Steel Piping System** *(23 21 13 23-0879)*		
		Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1061		**Schedule 40 Carbon Steel Piping** *(23 21 13 23-1060)*		
		Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1062	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	6.63	3.15
		For Schedule 80, Add	*0.68*	
23 21 13 23-1063	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	6.90	3.41
		For Schedule 80, Add	*0.63*	
		For Schedule 160, Add	*2.61*	
23 21 13 23-1064	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	7.62	3.66
		For Schedule 80, Add	*0.77*	
		For Schedule 160, Add	*3.20*	
23 21 13 23-1065	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40	8.15	4.01
		For Schedule 80, Add	*0.79*	
		For Schedule 160, Add	*3.29*	
23 21 13 23-1066	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	10.64	4.94
		For Schedule 80, Add	*1.16*	
		For Schedule 160, Add	*4.85*	
23 21 13 23-1067	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40	13.23	5.97
		For Schedule 80, Add	*1.53*	
		For Schedule 160, Add	*6.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1068		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1069	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	23.50	12.95
23 21 13 23-1070	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.33	15.17
23 21 13 23-1071	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.65	16.96
23 21 13 23-1072	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.24	18.92
23 21 13 23-1073	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	56.51	24.19
23 21 13 23-1074	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	71.61	30.76
23 21 13 23-1075	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	24.80	12.95
23 21 13 23-1076	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	28.82	15.17
23 21 13 23-1077	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.26	16.96
23 21 13 23-1078	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	39.74	18.92
23 21 13 23-1079	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.87	24.19
23 21 13 23-1080	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	80.85	30.76
23 21 13 23-1081	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	33.37	15.17
23 21 13 23-1082	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	38.99	16.96
23 21 13 23-1083	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	45.77	18.92
23 21 13 23-1084	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	81.79	24.19
23 21 13 23-1085	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	125.72	30.76
23 21 13 23-1086		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1087	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	26.25	12.95
23 21 13 23-1088	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	29.38	15.17
23 21 13 23-1089	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	33.01	16.96
23 21 13 23-1090	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	37.27	18.92
23 21 13 23-1091	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	53.17	24.19
23 21 13 23-1092	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	76.76	30.76
23 21 13 23-1093	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.46	12.95
23 21 13 23-1094	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	30.57	15.17
23 21 13 23-1095	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.39	16.96
23 21 13 23-1096	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.85	18.92
23 21 13 23-1097	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	63.58	24.19
23 21 13 23-1098	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	83.73	30.76
23 21 13 23-1099	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	36.51	15.17
23 21 13 23-1100	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	44.66	16.96
23 21 13 23-1101	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	47.89	18.92
23 21 13 23-1102	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	93.86	24.19
23 21 13 23-1103	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	126.52	30.76
23 21 13 23-1104		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1105	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	31.31	17.97
23 21 13 23-1106	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	35.66	18.92
23 21 13 23-1107	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	42.68	21.90
23 21 13 23-1108	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	52.28	25.81
23 21 13 23-1109	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	83.46	36.64
23 21 13 23-1110	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	103.48	45.50
23 21 13 23-1111	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	32.43	17.97
23 21 13 23-1112	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	36.39	18.92
23 21 13 23-1113	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	45.10	21.90
23 21 13 23-1114	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	54.35	25.81
23 21 13 23-1115	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	90.64	36.64
23 21 13 23-1116	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	115.35	45.50
23 21 13 23-1117	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	41.85	18.92
23 21 13 23-1118	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	50.96	21.90
23 21 13 23-1119	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	68.85	25.81
23 21 13 23-1120	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	107.12	36.64
23 21 13 23-1121	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	167.88	45.50
23 21 13 23-1122		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1123	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	46.77	22.75
23 21 13 23-1124	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	55.19	25.56
23 21 13 23-1125	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	59.30	27.26
23 21 13 23-1126	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	73.31	32.89
23 21 13 23-1127	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	126.76	46.01
23 21 13 23-1128	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	163.46	56.83
23 21 13 23-1129	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	56.56	25.56
23 21 13 23-1130	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	67.15	27.26
23 21 13 23-1131	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	80.17	32.89
23 21 13 23-1132	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	136.66	46.01
23 21 13 23-1133	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	181.54	56.83
23 21 13 23-1134	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	82.12	25.56
23 21 13 23-1135	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	136.90	27.26
23 21 13 23-1136	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	187.65	32.89
23 21 13 23-1137	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	296.49	46.01
23 21 13 23-1138	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	325.26	56.83

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1139		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1140	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	21.86	12.95
23 21 13 23-1141	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	24.99	15.17
23 21 13 23-1142	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	28.55	16.96
23 21 13 23-1143	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	33.10	18.92
23 21 13 23-1144	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	48.08	24.19
23 21 13 23-1145	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	61.01	30.76
23 21 13 23-1146	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	25.13	12.95
23 21 13 23-1147	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.06	15.17
23 21 13 23-1148	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.14	16.96
23 21 13 23-1149	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	35.22	18.92
23 21 13 23-1150	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	51.32	24.19
23 21 13 23-1151	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	72.85	30.76
23 21 13 23-1152		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1153	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	22.31	13.81
23 21 13 23-1154	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	26.06	15.17
23 21 13 23-1155	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	30.19	16.96
23 21 13 23-1156	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	35.37	18.92
23 21 13 23-1157	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	48.67	24.19
23 21 13 23-1158	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	64.20	30.76
23 21 13 23-1159	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	68.01	15.17
23 21 13 23-1160	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	70.72	16.96
23 21 13 23-1161	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	82.61	18.92
23 21 13 23-1162	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	118.54	24.19
23 21 13 23-1163	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	169.96	30.76
23 21 13 23-1164		**Caps, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1165	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	6.66	3.15
23 21 13 23-1166	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	7.41	3.58
23 21 13 23-1167	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	9.02	4.09
23 21 13 23-1168	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	11.59	4.77
23 21 13 23-1169	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	15.69	5.71
23 21 13 23-1170	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	21.80	7.07
23 21 13 23-1171	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	10.59	3.15
23 21 13 23-1172	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	9.93	3.58
23 21 13 23-1173	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	13.12	4.09
23 21 13 23-1174	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	14.58	4.77
23 21 13 23-1175	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	27.90	5.71
23 21 13 23-1176	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	33.70	7.07
23 21 13 23-1177		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1178	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	13.43	7.75
23 21 13 23-1179	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	13.67	8.09
23 21 13 23-1180	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	13.57	8.09
23 21 13 23-1181	EA	1" Nipple, 2" Long, Screwed Carbon Steel	15.10	8.78
23 21 13 23-1182	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	17.20	9.46
23 21 13 23-1183	EA	2" Nipple, 2" Long, Screwed Carbon Steel	20.59	12.19
23 21 13 23-1184	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	14.18	7.75
23 21 13 23-1185	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	14.27	8.09
23 21 13 23-1186	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	14.25	8.09
23 21 13 23-1187	EA	1" Nipple, 4" Long, Screwed Carbon Steel	16.01	8.78
23 21 13 23-1188	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	18.82	9.46
23 21 13 23-1189	EA	2" Nipple, 4" Long, Screwed Carbon Steel	22.96	12.19
23 21 13 23-1190	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	15.97	7.75
23 21 13 23-1191	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	15.21	8.09
23 21 13 23-1192	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	15.30	8.09
23 21 13 23-1193	EA	1" Nipple, 6" Long, Screwed Carbon Steel	17.31	8.78
23 21 13 23-1194	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	21.04	9.46
23 21 13 23-1195	EA	2" Nipple, 6" Long, Screwed Carbon Steel	24.92	12.19
23 21 13 23-1196		**Unions, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1197	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	28.22	18.83
23 21 13 23-1198	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	29.68	18.92
23 21 13 23-1199	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	34.09	21.90
23 21 13 23-1200	EA	1" Union, 3,000 LB, Screwed Carbon Steel	40.66	25.81
23 21 13 23-1201	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	58.21	36.64
23 21 13 23-1202	EA	2" Union, 3,000 LB, Screwed Carbon Steel	72.26	45.50
23 21 13 23-1203	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	45.62	18.83
23 21 13 23-1204	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	50.71	18.92
23 21 13 23-1205	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	59.56	21.90
23 21 13 23-1206	EA	1" Union, 6,000 LB, Screwed Carbon Steel	72.05	25.81
23 21 13 23-1207	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	122.40	36.64
23 21 13 23-1208	EA	2" Union, 6,000 LB, Screwed Carbon Steel	151.26	45.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1209		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1210	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	62.05	35.19
23 21 13 23-1211	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	64.91	36.89
23 21 13 23-1212	EA	1" Flange, 150 LB, Screwed Carbon Steel	67.31	38.51
23 21 13 23-1213	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	74.92	43.37
23 21 13 23-1214	EA	2" Flange, 150 LB, Screwed Carbon Steel	77.76	45.25
23 21 13 23-1215	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	62.64	35.19
		For Ring Type Joint, Add	*9.84*	
		For Blind Flange, Deduct	*-23.09*	
23 21 13 23-1216	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	65.53	36.89
		For Ring Type Joint, Add	*10.17*	
		For Blind Flange, Deduct	*-24.18*	
23 21 13 23-1217	EA	1" Flange, 300 LB, Screwed Carbon Steel	68.25	38.51
		For Ring Type Joint, Add	*10.49*	
		For Blind Flange, Deduct	*-25.20*	
23 21 13 23-1218	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	77.18	43.37
		For Ring Type Joint, Add	*12.14*	
		For Blind Flange, Deduct	*-28.44*	
23 21 13 23-1219	EA	2" Flange, 300 LB, Screwed Carbon Steel	80.02	45.25
		For Ring Type Joint, Add	*12.14*	
		For Blind Flange, Deduct	*-29.58*	
23 21 13 23-1220	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	66.51	35.19
		For Ring Type Joint, Add	*13.71*	
		For Blind Flange, Deduct	*-23.86*	
23 21 13 23-1221	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	69.07	36.89
		For Ring Type Joint, Add	*13.71*	
		For Blind Flange, Deduct	*-24.89*	
23 21 13 23-1222	EA	1" Flange, 600 LB, Screwed Carbon Steel	72.09	38.51
		For Ring Type Joint, Add	*14.33*	
		For Blind Flange, Deduct	*-25.97*	
23 21 13 23-1223	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	81.94	43.37
		For Ring Type Joint, Add	*16.90*	
		For Blind Flange, Deduct	*-29.40*	
23 21 13 23-1224	EA	2" Flange, 600 LB, Screwed Carbon Steel	83.61	45.25
		For Ring Type Joint, Add	*15.73*	
		For Blind Flange, Deduct	*-30.30*	
23 21 13 23-1225		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1226	EA	1/4" Square Head Plug, Screwed Carbon Steel	4.44	2.39
23 21 13 23-1227	EA	1/2" Square Head Plug, Screwed Carbon Steel	5.31	2.81
23 21 13 23-1228	EA	3/4" Square Head Plug, Screwed Carbon Steel	6.16	3.24
23 21 13 23-1229	EA	1" Square Head Plug, Screwed Carbon Steel	8.98	4.77
23 21 13 23-1230	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	11.26	4.77
23 21 13 23-1231	EA	2" Square Head Plug, Screwed Carbon Steel	16.18	6.22
23 21 13 23-1232		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1233	EA	1/4" Hex Head Plug, Screwed Carbon Steel	4.21	2.39
23 21 13 23-1234	EA	1/2" Hex Head Plug, Screwed Carbon Steel	5.10	2.81
23 21 13 23-1235	EA	3/4" Hex Head Plug, Screwed Carbon Steel	6.02	3.24
23 21 13 23-1236	EA	1" Hex Head Plug, Screwed Carbon Steel	8.86	4.77
23 21 13 23-1237	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	10.76	4.77
23 21 13 23-1238	EA	2" Hex Head Plug, Screwed Carbon Steel	16.53	6.22
23 21 13 23-1239		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1240	EA	1/4" Round Head Plug, Screwed Carbon Steel	4.95	2.39
23 21 13 23-1241	EA	1/2" Round Head Plug, Screwed Carbon Steel	5.34	2.81
23 21 13 23-1242	EA	3/4" Round Head Plug, Screwed Carbon Steel	6.06	3.24
23 21 13 23-1243	EA	1" Round Head Plug, Screwed Carbon Steel	9.06	4.77
23 21 13 23-1244	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	11.89	4.77
23 21 13 23-1245	EA	2" Round Head Plug, Screwed Carbon Steel	16.40	6.22
23 21 13 23-1246		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1247	EA	1/4" Hex Bushing, Screwed Carbon Steel	4.38	2.39
23 21 13 23-1248	EA	1/2" Hex Bushing, Screwed Carbon Steel	5.09	2.81
23 21 13 23-1249	EA	3/4" Hex Bushing, Screwed Carbon Steel	5.96	3.24
23 21 13 23-1250	EA	1" Hex Bushing, Screwed Carbon Steel	9.02	4.77
23 21 13 23-1251	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	10.72	4.77
23 21 13 23-1252	EA	2" Hex Bushing, Screwed Carbon Steel	16.00	6.22
23 21 13 23-1253		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1060)*		
23 21 13 23-1254	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	27.66	12.95
23 21 13 23-1255	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.59	15.17
23 21 13 23-1256	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.84	16.96
23 21 13 23-1257	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	42.99	18.92
23 21 13 23-1258	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	67.50	24.19
23 21 13 23-1259	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	90.66	30.76

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1260	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	43.48	15.17
23 21 13 23-1261	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	61.01	16.96
23 21 13 23-1262	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	83.45	18.92
23 21 13 23-1263	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	178.78	24.19
23 21 13 23-1264		Screwed Carbon Steel Laterals *(23 21 13 23-1060)*		
23 21 13 23-1265	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	110.30	18.92
23 21 13 23-1266	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	132.47	21.90
23 21 13 23-1267	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	161.93	25.81
23 21 13 23-1268	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	208.80	36.64
23 21 13 23-1269	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	260.45	45.50
23 21 13 23-1270	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	138.07	18.92
23 21 13 23-1271	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	173.78	21.90
23 21 13 23-1272	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	206.10	25.81
23 21 13 23-1273	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	289.99	36.64
23 21 13 23-1274		Grooved-Joint Pipe *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1275		Schedule 10 Black Grooved Pipe *(23 21 13 23-1274)*		
23 21 13 23-1276	LF	2" Black Schedule 10 Grooved Pipe	21.55	10.82
23 21 13 23-1277	LF	2-1/2" Black Schedule 10 Grooved Pipe	29.20	14.82
23 21 13 23-1278	LF	3" Black Schedule 10 Grooved Pipe	32.69	16.44
23 21 13 23-1279	LF	3-1/2" Black Schedule 10 Grooved Pipe	35.88	17.04
23 21 13 23-1280	LF	4" Black Schedule 10 Grooved Pipe	38.24	18.49
23 21 13 23-1281	LF	5" Black Schedule 10 Grooved Pipe	52.46	22.66
23 21 13 23-1282	LF	6" Black Schedule 10 Grooved Pipe	68.98	32.20
23 21 13 23-1283	LF	8" Black Schedule 10 Grooved Pipe	90.73	36.13
23 21 13 23-1284	LF	10" Black Schedule 10 Grooved Pipe	112.98	43.54
23 21 13 23-1285	LF	12" Black Schedule 10 Grooved Pipe	129.94	49.33
23 21 13 23-1286		Schedule 40 Black Grooved Pipe *(23 21 13 23-1274)*		
23 21 13 23-1287	LF	3/4" Black Schedule 40 Grooved Pipe	12.95	6.56
23 21 13 23-1288	LF	1" Black Schedule 40 Grooved Pipe	14.62	7.42
23 21 13 23-1289	LF	1-1/4" Black Schedule 40 Grooved Pipe	16.47	8.01
23 21 13 23-1290	LF	1-1/2" Black Schedule 40 Grooved Pipe	18.73	9.12
23 21 13 23-1291	LF	2" Black Schedule 40 Grooved Pipe	23.66	11.58
23 21 13 23-1292	LF	2-1/2" Black Schedule 40 Grooved Pipe	32.82	15.85
23 21 13 23-1293	LF	3" Black Schedule 40 Grooved Pipe	38.45	18.06
23 21 13 23-1294	LF	4" Black Schedule 40 Grooved Pipe	46.24	20.11
23 21 13 23-1295	LF	5" Black Schedule 40 Grooved Pipe	62.22	24.46
23 21 13 23-1296	LF	6" Black Schedule 40 Grooved Pipe	84.76	35.27
23 21 13 23-1297	LF	8" Black Schedule 40 Grooved Pipe	109.48	39.96
23 21 13 23-1298	LF	10" Black Schedule 40 Grooved Pipe	147.61	47.71
23 21 13 23-1299	LF	12" Black Schedule 40 Grooved Pipe	173.25	54.79
23 21 13 23-1300	LF	14" Black Schedule 40 Grooved Pipe	229.42	74.04
23 21 13 23-1301	LF	16" Black Schedule 40 Grooved Pipe	266.69	87.08
23 21 13 23-1302	LF	18" Black Schedule 40 Grooved Pipe	330.02	105.74
23 21 13 23-1303	LF	20" Black Schedule 40 Grooved Pipe	381.19	123.29
23 21 13 23-1304	LF	24" Black Schedule 40 Grooved Pipe	492.44	148.00
23 21 13 23-1305		Schedule 80 Black Grooved Pipe *(23 21 13 23-1274)*		
23 21 13 23-1306	LF	3/4" Black Schedule 80 Grooved Pipe	14.18	7.16
23 21 13 23-1307	LF	1" Black Schedule 80 Grooved Pipe	15.60	7.59
23 21 13 23-1308	LF	1-1/4" Black Schedule 80 Grooved Pipe	18.10	8.43
23 21 13 23-1309	LF	1-1/2" Black Schedule 80 Grooved Pipe	20.55	9.46
23 21 13 23-1310	LF	2" Black Schedule 80 Grooved Pipe	26.56	12.19
23 21 13 23-1311	LF	2-1/2" Black Schedule 80 Grooved Pipe	37.21	16.79
23 21 13 23-1312	LF	3" Black Schedule 80 Grooved Pipe	43.87	18.83
23 21 13 23-1313	LF	4" Black Schedule 80 Grooved Pipe	53.72	20.53
23 21 13 23-1314	LF	5" Black Schedule 80 Grooved Pipe	79.57	25.81
23 21 13 23-1315	LF	6" Black Schedule 80 Grooved Pipe	105.06	36.97
23 21 13 23-1316	LF	8" Black Schedule 80 Grooved Pipe	151.39	42.26
23 21 13 23-1317	LF	10" Black Schedule 80 Grooved Pipe	187.71	51.03
23 21 13 23-1318	LF	12" Black Schedule 80 Grooved Pipe	201.25	61.69
23 21 13 23-1319		Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1274)*		
23 21 13 23-1320	LF	3/4" Galvanized Schedule 40 Grooved Pipe	13.28	6.56
23 21 13 23-1321	LF	1" Galvanized Schedule 40 Grooved Pipe	15.32	7.42
23 21 13 23-1322	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	16.99	8.01
23 21 13 23-1323	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	19.33	9.12
23 21 13 23-1324	LF	2" Galvanized Schedule 40 Grooved Pipe	24.49	11.58
23 21 13 23-1325	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	34.14	15.85
23 21 13 23-1326	LF	3" Galvanized Schedule 40 Grooved Pipe	40.22	18.06
23 21 13 23-1327	LF	4" Galvanized Schedule 40 Grooved Pipe	48.74	20.11
23 21 13 23-1328	LF	5" Galvanized Schedule 40 Grooved Pipe	66.93	24.46

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1329	LF	6" Galvanized Schedule 40 Grooved Pipe	91.18	35.27
23 21 13 23-1330	LF	8" Galvanized Schedule 40 Grooved Pipe	118.32	39.96
23 21 13 23-1331	LF	10" Galvanized Schedule 40 Grooved Pipe	163.26	47.71
23 21 13 23-1332	LF	12" Galvanized Schedule 40 Grooved Pipe	192.21	54.79
23 21 13 23-1333		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1274)*		
23 21 13 23-1334	LF	3/4" Galvanized Schedule 80 Grooved Pipe	14.32	7.16
23 21 13 23-1335	LF	1" Galvanized Schedule 80 Grooved Pipe	17.97	7.59
23 21 13 23-1336	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	18.48	8.43
23 21 13 23-1337	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	23.78	10.05
23 21 13 23-1338	LF	2" Galvanized Schedule 80 Grooved Pipe	27.22	12.19
23 21 13 23-1339	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	38.32	16.79
23 21 13 23-1340	LF	3" Galvanized Schedule 80 Grooved Pipe	45.55	18.83
23 21 13 23-1341	LF	4" Galvanized Schedule 80 Grooved Pipe	56.05	20.53
23 21 13 23-1342	LF	5" Galvanized Schedule 80 Grooved Pipe	82.31	25.81
23 21 13 23-1343	LF	6" Galvanized Schedule 80 Grooved Pipe	108.10	36.97
23 21 13 23-1344	LF	8" Galvanized Schedule 80 Grooved Pipe	156.32	42.26
23 21 13 23-1345	LF	10" Galvanized Schedule 80 Grooved Pipe	186.33	51.03
23 21 13 23-1346	LF	12" Galvanized Schedule 80 Grooved Pipe	206.82	61.69
23 21 13 23-1347		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-1348		**Grooved Elbows** *(23 21 13 23-1347)*		
23 21 13 23-1349		**90 Degree Grooved Elbows** *(23 21 13 23-1348)* Note: Victaulic No. 10		
23 21 13 23-1350	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved	132.82	9.29
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1351	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	132.82	9.29
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1352	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	136.30	11.58
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1353	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	139.99	14.06
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1354	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	146.75	18.58
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1355	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	152.82	22.66
		For Galvanized Fittings, Add	*39.24*	
23 21 13 23-1356	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	252.33	27.43
		For Galvanized Fittings, Add	*69.70*	
23 21 13 23-1357	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	284.33	36.21
		For Galvanized Fittings, Add	*75.92*	
23 21 13 23-1358	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	627.85	45.25
		For Galvanized Fittings, Add	*184.80*	
23 21 13 23-1359	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	739.57	59.22
		For Galvanized Fittings, Add	*214.77*	
23 21 13 23-1360	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	1,475.42	70.47
		For Galvanized Fittings, Add	*452.02*	
23 21 13 23-1361	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	2,257.37	82.22
		For Galvanized Fittings, Add	*704.25*	
23 21 13 23-1362	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	3,568.54	98.67
		For Galvanized Fittings, Add	*1,128.80*	
23 21 13 23-1363	EA	14" 90 Degree Elbow, Steel, Grooved	7,280.67	111.37
		For Galvanized Fittings, Add	*2,347.51*	
23 21 13 23-1364	EA	16" 90 Degree Elbow, Steel, Grooved	9,493.19	123.29
		For Galvanized Fittings, Add	*3,071.74*	
23 21 13 23-1365	EA	18" 90 Degree Elbow, Steel, Grooved	12,007.58	134.71
		For Galvanized Fittings, Add	*3,895.86*	
23 21 13 23-1366	EA	20" 90 Degree Elbow, Steel, Grooved	15,723.90	140.08
		For Galvanized Fittings, Add	*5,119.56*	
23 21 13 23-1367	EA	24" 90 Degree Elbow, Steel, Grooved	22,573.04	165.64
		For Galvanized Fittings, Add	*7,367.18*	
23 21 13 23-1368		**45 Degree Grooved Elbows** *(23 21 13 23-1348)* Note: Victaulic No. 11		
23 21 13 23-1369	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	132.74	9.29
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1370	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	132.74	9.29
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1371	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	136.22	11.58
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1372	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	139.91	14.06
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1373	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	146.67	18.58
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1374	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	152.74	22.66
		For Galvanized Fittings, Add	*28.52*	
23 21 13 23-1375	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	252.25	27.43
		For Galvanized Fittings, Add	*50.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1376	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	284.33	36.21
		For Galvanized Fittings, Add	*55.21*	
23 21 13 23-1377	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	627.85	45.25
		For Galvanized Fittings, Add	*134.40*	
23 21 13 23-1378	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	739.57	59.22
		For Galvanized Fittings, Add	*156.20*	
23 21 13 23-1379	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	1,475.42	70.47
		For Galvanized Fittings, Add	*328.74*	
23 21 13 23-1380	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	2,257.37	82.22
		For Galvanized Fittings, Add	*512.18*	
23 21 13 23-1381	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	3,568.54	98.67
		For Galvanized Fittings, Add	*820.95*	
23 21 13 23-1382	EA	14" 45 Degree Elbow, Steel, Grooved	7,280.67	111.37
		For Galvanized Fittings, Add	*1,707.28*	
23 21 13 23-1383	EA	16" 45 Degree Elbow, Steel, Grooved	9,493.19	123.29
		For Galvanized Fittings, Add	*2,233.99*	
23 21 13 23-1384	EA	18" 45 Degree Elbow, Steel, Grooved	12,007.58	134.71
		For Galvanized Fittings, Add	*2,833.36*	
23 21 13 23-1385	EA	20" 45 Degree Elbow, Steel, Grooved	15,724.27	140.33
		For Galvanized Fittings, Add	*3,723.32*	
23 21 13 23-1386	EA	24" 45 Degree Elbow, Steel, Grooved	22,573.04	165.64
		For Galvanized Fittings, Add	*5,357.95*	

23 21 13 23-1387 22-1/2 Degree Grooved Elbows *(23 21 13 23-1348)*

Note: Victaulic No. 12

23 21 13 23-1388	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	140.56	9.29
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1389	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	144.04	11.58
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1390	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	147.73	14.06
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1391	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	154.49	18.58
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1392	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	160.56	22.66
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1393	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved	226.34	27.43
		For Galvanized Fittings, Add	*44.46*	
23 21 13 23-1394	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	302.63	36.21
		For Galvanized Fittings, Add	*59.61*	
23 21 13 23-1395	EA	5" 22-1/2 Degree Elbow, Steel, Grooved	838.03	45.25
		For Galvanized Fittings, Add	*184.85*	
23 21 13 23-1396	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved	792.35	59.22
		For Galvanized Fittings, Add	*168.86*	
23 21 13 23-1397	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved	1,577.82	70.47
		For Galvanized Fittings, Add	*353.32*	
23 21 13 23-1398	EA	10" 22-1/2 Degree Elbow, Steel, Grooved	2,144.37	82.22
		For Galvanized Fittings, Add	*485.06*	
23 21 13 23-1399	EA	12" 22-1/2 Degree Elbow, Steel, Grooved	2,880.27	98.67
		For Galvanized Fittings, Add	*655.76*	
23 21 13 23-1400	EA	14" 22-1/2 Degree Elbow, Steel, Grooved	3,322.93	111.37
		For Galvanized Fittings, Add	*757.42*	
23 21 13 23-1401	EA	16" 22-1/2 Degree Elbow, Steel, Grooved	3,969.99	123.29
		For Galvanized Fittings, Add	*908.42*	
23 21 13 23-1402	EA	18" 22-1/2 Degree Elbow, Steel, Grooved	4,785.97	134.71
		For Galvanized Fittings, Add	*1,100.17*	
23 21 13 23-1403	EA	20" 22-1/2 Degree Elbow, Steel, Grooved	5,629.62	140.08
		For Galvanized Fittings, Add	*1,300.69*	
23 21 13 23-1404	EA	24" 22-1/2 Degree Elbow, Steel, Grooved	7,530.98	165.64
		For Galvanized Fittings, Add	*1,747.85*	

23 21 13 23-1405 11-1/4 Degree Grooved Elbows *(23 21 13 23-1348)*

Note: Victaulic No. 13

23 21 13 23-1406	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved	140.56	9.29
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1407	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	144.04	11.58
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1408	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	147.73	14.06
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1409	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	154.49	18.58
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1410	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	160.56	22.66
		For Galvanized Fittings, Add	*30.39*	
23 21 13 23-1411	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved	226.32	27.43
		For Galvanized Fittings, Add	*44.45*	
23 21 13 23-1412	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	302.61	36.21
		For Galvanized Fittings, Add	*59.60*	
23 21 13 23-1413	EA	5" 11-1/4 Degree Elbow, Steel, Grooved	838.00	45.25
		For Galvanized Fittings, Add	*184.84*	
23 21 13 23-1414	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	792.32	59.22
		For Galvanized Fittings, Add	*168.86*	
23 21 13 23-1415	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	1,577.73	70.47
		For Galvanized Fittings, Add	*353.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1416	EA	10" 11-1/4 Degree Elbow, Steel, Grooved	2,144.25	82.22
		For Galvanized Fittings, Add	*485.04*	
23 21 13 23-1417	EA	12" 11-1/4 Degree Elbow, Steel, Grooved	2,880.12	98.67
		For Galvanized Fittings, Add	*655.73*	
23 21 13 23-1418	EA	14" 11-1/4 Degree Elbow, Steel, Grooved	3,322.75	111.37
		For Galvanized Fittings, Add	*757.38*	
23 21 13 23-1419	EA	16" 11-1/4 Degree Elbow, Steel, Grooved	3,969.81	123.38
		For Galvanized Fittings, Add	*908.37*	
23 21 13 23-1420	EA	18" 11-1/4 Degree Elbow, Steel, Grooved	4,785.70	134.71
		For Galvanized Fittings, Add	*1,100.11*	
23 21 13 23-1421	EA	20" 11-1/4 Degree Elbow, Steel, Grooved	5,629.32	140.08
		For Galvanized Fittings, Add	*1,300.62*	
23 21 13 23-1422	EA	24" 11-1/4 Degree Elbow, Steel, Grooved	7,530.58	165.64
		For Galvanized Fittings, Add	*1,747.76*	

23 21 13 23-1423 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1348)*

Note: Victaulic No. 100

23 21 13 23-1424	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	299.68	18.58
		For Galvanized Fittings, Add	*65.24*	
23 21 13 23-1425	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	822.65	22.66
		For Galvanized Fittings, Add	*189.30*	
23 21 13 23-1426	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	312.94	27.43
		For Galvanized Fittings, Add	*65.24*	
23 21 13 23-1427	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	461.46	36.21
		For Galvanized Fittings, Add	*97.73*	
23 21 13 23-1428	EA	5" 90 Degree Long Radius Elbow, Steel Grooved	2,154.94	45.25
		For Galvanized Fittings, Add	*500.90*	
23 21 13 23-1429	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,279.95	59.22
		For Galvanized Fittings, Add	*285.89*	
23 21 13 23-1430	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	2,962.93	70.47
		For Galvanized Fittings, Add	*685.74*	
23 21 13 23-1431	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	6,047.59	82.22
		For Galvanized Fittings, Add	*1,421.84*	
23 21 13 23-1432	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	7,212.69	98.67
		For Galvanized Fittings, Add	*1,695.54*	

23 21 13 23-1433 Grooved Tees, Wyes And Crosses *(23 21 13 23-1347)*

23 21 13 23-1434 Grooved Tees *(23 21 13 23-1433)*

Note: Victaulic No. 20

23 21 13 23-1435	EA	3/4" Tee, Ductile Iron, Grooved	200.01	12.19
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1436	EA	1" Tee, Ductile Iron, Grooved	202.78	14.06
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1437	EA	1-1/4" Tee, Ductile Iron, Grooved	207.47	17.21
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1438	EA	1-1/2" Tee, Ductile Iron, Grooved	213.33	21.13
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1439	EA	2" Tee, Ductile Iron, Grooved	222.64	27.35
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1440	EA	2-1/2" Tee, Ductile Iron, Grooved	231.94	33.48
		For Galvanized Fittings, Add	*54.51*	
23 21 13 23-1441	EA	3" Tee, Ductile Iron, Grooved	316.18	41.15
		For Galvanized Fittings, Add	*76.35*	
23 21 13 23-1442	EA	4" Tee, Ductile Iron, Grooved	470.21	53.26
		For Galvanized Fittings, Add	*117.12*	
23 21 13 23-1443	EA	5" Tee, Ductile Iron, Grooved	1,020.31	69.61
		For Galvanized Fittings, Add	*274.78*	
23 21 13 23-1444	EA	6" Tee, Ductile Iron, Grooved	1,189.11	87.08
		For Galvanized Fittings, Add	*317.57*	
23 21 13 23-1445	EA	8" Tee, Ductile Iron, Grooved	2,470.87	105.74
		For Galvanized Fittings, Add	*693.71*	
23 21 13 23-1446	EA	10" Tee, Ductile Iron, Grooved	4,314.13	123.29
		For Galvanized Fittings, Add	*1,238.77*	
23 21 13 23-1447	EA	12" Tee, Ductile Iron, Grooved	6,002.80	148.00
		For Galvanized Fittings, Add	*1,734.27*	
23 21 13 23-1448	EA	14" Tee, Steel, Grooved	6,552.99	164.44
		For Galvanized Fittings, Add	*1,891.94*	
23 21 13 23-1449	EA	16" Tee, Steel, Grooved	8,281.17	165.39
		For Galvanized Fittings, Add	*2,409.97*	
23 21 13 23-1450	EA	18" Tee, Steel, Grooved	10,333.77	182.43
		For Galvanized Fittings, Add	*3,018.09*	
23 21 13 23-1451	EA	20" Tee, Steel, Grooved	14,692.54	185.33
		For Galvanized Fittings, Add	*4,324.43*	
23 21 13 23-1452	EA	24" Tee, Steel, Grooved	22,489.02	227.67
		For Galvanized Fittings, Add	*6,644.30*	

23 21 13 23-1453 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1433)*

Note: Victaulic No. 33

23 21 13 23-1454	EA	1" Wye, Steel, Grooved	787.67	14.06
		For Galvanized Fittings, Add	*122.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1455	EA	1-1/4" Wye, Steel, Grooved	792.36	17.21
		For Galvanized Fittings, Add	*122.65*	
23 21 13 23-1456	EA	1-1/2" Wye, Steel, Grooved	798.22	21.13
		For Galvanized Fittings, Add	*122.65*	
23 21 13 23-1457	EA	2" Wye, Steel, Grooved	807.53	27.35
		For Galvanized Fittings, Add	*122.65*	
23 21 13 23-1458	EA	2-1/2" Wye, Steel, Grooved	816.83	33.48
		For Galvanized Fittings, Add	*122.65*	
23 21 13 23-1459	EA	3" Wye, Steel, Grooved	978.01	41.15
		For Galvanized Fittings, Add	*146.61*	
23 21 13 23-1460	EA	4" Wye, Steel, Grooved	1,280.04	53.26
		For Galvanized Fittings, Add	*192.04*	
23 21 13 23-1461	EA	5" Wye, Steel, Grooved	1,824.73	69.61
		For Galvanized Fittings, Add	*275.26*	
23 21 13 23-1462	EA	6" Wye, Steel, Grooved	2,259.11	87.08
		For Galvanized Fittings, Add	*340.57*	
23 21 13 23-1463	EA	8" Wye, Steel, Grooved	3,224.24	105.74
		For Galvanized Fittings, Add	*490.52*	
23 21 13 23-1464	EA	10" Wye, Steel, Grooved	5,476.32	123.29
		For Galvanized Fittings, Add	*846.63*	
23 21 13 23-1465	EA	12" Wye, Steel, Grooved	6,067.67	148.00
		For Galvanized Fittings, Add	*935.32*	
23 21 13 23-1466	EA	14" Wye, Steel, Grooved	6,921.77	164.44
		For Galvanized Fittings, Add	*1,068.04*	
23 21 13 23-1467	EA	16" Wye, Steel, Grooved	8,917.96	165.22
		For Galvanized Fittings, Add	*1,387.24*	
23 21 13 23-1468	EA	18" Wye, Steel, Grooved	10,191.55	182.60
		For Galvanized Fittings, Add	*1,586.84*	
23 21 13 23-1469	EA	20" Wye, Steel, Grooved	14,661.48	184.98
		For Galvanized Fittings, Add	*2,301.46*	
23 21 13 23-1470	EA	24" Wye, Steel, Grooved	22,704.64	227.67
		For Galvanized Fittings, Add	*3,578.12*	

23 21 13 23-1471 Grooved Crosses *(23 21 13 23-1433)*

Note: Victaulic No. 35

23 21 13 23-1472	EA	3/4" Cross, Steel, Grooved	523.78	18.32
		For Galvanized Fittings, Add	*74.45*	
23 21 13 23-1473	EA	1" Cross, Steel, Grooved	527.95	21.13
		For Galvanized Fittings, Add	*74.45*	
23 21 13 23-1474	EA	1-1/4" Cross, Steel, Grooved	637.69	25.81
		For Galvanized Fittings, Add	*89.85*	
23 21 13 23-1475	EA	1-1/2" Cross, Steel, Grooved	692.92	31.70
		For Galvanized Fittings, Add	*96.82*	
23 21 13 23-1476	EA	2" Cross, Steel, Grooved	426.19	40.98
		For Galvanized Fittings, Add	*54.72*	
23 21 13 23-1477	EA	2-1/2" Cross, Steel, Grooved	440.15	50.27
		For Galvanized Fittings, Add	*54.72*	
23 21 13 23-1478	EA	3" Cross, Steel, Grooved	747.98	61.69
		For Galvanized Fittings, Add	*98.32*	
23 21 13 23-1479	EA	4" Cross, Steel, Grooved	1,210.84	79.84
		For Galvanized Fittings, Add	*163.67*	
23 21 13 23-1480	EA	5" Cross, Steel, Grooved	2,385.62	104.38
		For Galvanized Fittings, Add	*334.36*	
23 21 13 23-1481	EA	6" Cross, Steel, Grooved	3,063.71	130.62
		For Galvanized Fittings, Add	*430.19*	
23 21 13 23-1482	EA	8" Cross, Steel, Grooved	4,014.80	158.57
		For Galvanized Fittings, Add	*566.56*	
23 21 13 23-1483	EA	10" Cross, Steel, Grooved	6,719.35	184.98
		For Galvanized Fittings, Add	*966.30*	
23 21 13 23-1484	EA	12" Cross, Steel, Grooved	9,629.14	222.05
		For Galvanized Fittings, Add	*1,394.45*	
23 21 13 23-1485	EA	14" Cross, Steel, Grooved	10,001.27	246.67
		For Galvanized Fittings, Add	*1,444.72*	
23 21 13 23-1486	EA	16" Cross, Steel, Grooved	12,971.44	248.12
		For Galvanized Fittings, Add	*1,889.92*	
23 21 13 23-1487	EA	18" Cross, Steel, Grooved	15,854.19	273.60
		For Galvanized Fittings, Add	*2,316.60*	
23 21 13 23-1488	EA	20" Cross, Steel, Grooved	22,296.39	277.85
		For Galvanized Fittings, Add	*3,281.97*	
23 21 13 23-1489	EA	24" Cross, Steel, Grooved	34,289.61	341.51
		For Galvanized Fittings, Add	*5,066.63*	

23 21 13 23-1490 Grooved Reducing Tees *(23 21 13 23-1433)*

Note: Victaulic No. 25

23 21 13 23-1491	EA	1" Reducing Tee, Steel, Grooved	371.65	14.06
		For Galvanized Fittings, Add	*70.11*	
23 21 13 23-1492	EA	1-1/4" Reducing Tee, Steel, Grooved	387.35	17.21
		For Galvanized Fittings, Add	*72.31*	
23 21 13 23-1493	EA	1-1/2" Reducing Tee, Steel, Grooved	402.22	21.13
		For Galvanized Fittings, Add	*74.12*	
23 21 13 23-1494	EA	2" Reducing Tee, Steel, Grooved	474.80	27.35
		For Galvanized Fittings, Add	*86.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1495	EA	2-1/2" Reducing Tee, Steel, Grooved	528.74	33.48
		For Galvanized Fittings, Add	*95.70*	
23 21 13 23-1496	EA	3" Reducing Tee, Steel, Grooved	585.41	41.15
		For Galvanized Fittings, Add	*104.75*	
23 21 13 23-1497	EA	4" Reducing Tee, Steel, Grooved	786.13	53.26
		For Galvanized Fittings, Add	*141.26*	
23 21 13 23-1498	EA	5" Reducing Tee, Steel, Grooved	1,037.02	69.61
		For Galvanized Fittings, Add	*186.53*	
23 21 13 23-1499	EA	6" Reducing Tee, Steel, Grooved	1,442.54	87.08
		For Galvanized Fittings, Add	*262.40*	
23 21 13 23-1500	EA	8" Reducing Tee, Steel, Grooved	2,323.31	105.74
		For Galvanized Fittings, Add	*432.96*	
23 21 13 23-1501	EA	10" Reducing Tee, Steel, Grooved	3,376.30	123.29
		For Galvanized Fittings, Add	*638.28*	
23 21 13 23-1502	EA	12" Reducing Tee, Steel, Grooved	4,929.71	148.00
		For Galvanized Fittings, Add	*941.56*	
23 21 13 23-1503	EA	14" Reducing Tee, Steel, Grooved	5,593.61	164.44
		For Galvanized Fittings, Add	*1,069.41*	
23 21 13 23-1504	EA	16" Reducing Tee, Steel, Grooved	7,193.69	165.39
		For Galvanized Fittings, Add	*1,389.14*	
23 21 13 23-1505	EA	18" Reducing Tee, Steel, Grooved	8,776.74	182.43
		For Galvanized Fittings, Add	*1,700.66*	
23 21 13 23-1506	EA	20" Reducing Tee, Steel, Grooved	12,438.96	185.23
		For Galvanized Fittings, Add	*2,432.25*	
23 21 13 23-1507	EA	24" Reducing Tee, Steel, Grooved	19,930.60	227.67
		For Galvanized Fittings, Add	*3,917.85*	

23 21 13 23-1508 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1433)*

Note: Victaulic No. 30

23 21 13 23-1509	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved	744.28	12.19
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1510	EA	1" 45 Degree Lateral Wye, Steel, Grooved	747.05	14.06
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1511	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved	751.74	17.21
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1512	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved	757.60	21.13
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1513	EA	2" 45 Degree Lateral Wye, Steel, Grooved	766.91	27.35
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1514	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	776.21	33.48
		For Galvanized Fittings, Add	*130.67*	
23 21 13 23-1515	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	688.84	41.15
		For Galvanized Fittings, Add	*112.89*	
23 21 13 23-1516	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	1,133.66	47.46
		For Galvanized Fittings, Add	*191.26*	
23 21 13 23-1517	EA	4" 45 Degree Lateral Wye, Steel, Grooved	1,316.67	53.26
		For Galvanized Fittings, Add	*222.63*	
23 21 13 23-1518	EA	5" 45 Degree Lateral Wye, Steel, Grooved	1,912.00	69.61
		For Galvanized Fittings, Add	*325.37*	
23 21 13 23-1519	EA	6" 45 Degree Lateral Wye, Steel, Grooved	3,042.93	87.08
		For Galvanized Fittings, Add	*524.23*	
23 21 13 23-1520	EA	8" 45 Degree Lateral Wye, Steel, Grooved	4,353.43	105.74
		For Galvanized Fittings, Add	*755.09*	
23 21 13 23-1521	EA	10" 45 Degree Lateral Wye, Steel, Grooved	6,105.96	123.29
		For Galvanized Fittings, Add	*1,065.79*	
23 21 13 23-1522	EA	12" 45 Degree Lateral Wye, Steel, Grooved	7,380.71	148.00
		For Galvanized Fittings, Add	*1,288.59*	
23 21 13 23-1523	EA	14" 45 Degree Lateral Wye, Steel, Grooved	10,695.30	164.44
		For Galvanized Fittings, Add	*1,880.78*	
23 21 13 23-1524	EA	16" 45 Degree Lateral Wye, Steel, Grooved	13,301.29	165.39
		For Galvanized Fittings, Add	*2,349.60*	
23 21 13 23-1525	EA	18" 45 Degree Lateral Wye, Steel, Grooved	14,865.46	182.43
		For Galvanized Fittings, Add	*2,626.56*	
23 21 13 23-1526	EA	20" 45 Degree Lateral Wye, Steel, Grooved	22,411.37	185.23
		For Galvanized Fittings, Add	*3,984.06*	
23 21 13 23-1527	EA	24" 45 Degree Lateral Wye, Steel, Grooved	34,735.40	227.67
		For Galvanized Fittings, Add	*6,190.93*	

23 21 13 23-1528 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1433)*

Note: Victaulic No. 30R

23 21 13 23-1529	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved	688.84	41.15
		For Galvanized Fittings, Add	*81.53*	
23 21 13 23-1530	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,316.67	53.26
		For Galvanized Fittings, Add	*160.79*	
23 21 13 23-1531	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,912.00	69.61
		For Galvanized Fittings, Add	*234.99*	
23 21 13 23-1532	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,465.98	87.08
		For Galvanized Fittings, Add	*303.61*	
23 21 13 23-1533	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,529.95	105.74
		For Galvanized Fittings, Add	*438.29*	
23 21 13 23-1534	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,313.98	123.29
		For Galvanized Fittings, Add	*536.78*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1535	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved	5,239.72	148.00
		For Galvanized Fittings, Add	*652.32*	
23 21 13 23-1536	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved	5,867.78	164.44
		For Galvanized Fittings, Add	*730.76*	
23 21 13 23-1537	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved	7,513.93	165.39
		For Galvanized Fittings, Add	*944.57*	
23 21 13 23-1538	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved	11,430.33	182.43
		For Galvanized Fittings, Add	*1,450.40*	
23 21 13 23-1539	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved	16,608.48	185.23
		For Galvanized Fittings, Add	*2,123.00*	
23 21 13 23-1540	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved	26,781.48	227.67
		For Galvanized Fittings, Add	*3,437.22*	

23 21 13 23-1541 Mechanical-T Outlet *(23 21 13 23-1433)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1542	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	182.08	30.67
		For Galvanized Fittings, Add	*29.94*	
23 21 13 23-1543	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	182.08	30.67
		For Galvanized Fittings, Add	*29.94*	
23 21 13 23-1544	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	200.92	30.67
		For Galvanized Fittings, Add	*34.61*	
23 21 13 23-1545	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	200.92	30.67
23 21 13 23-1546	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	189.75	34.51
23 21 13 23-1547	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	189.75	34.51
23 21 13 23-1548	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	239.51	34.51
23 21 13 23-1549	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	215.71	38.34
23 21 13 23-1550	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	215.71	38.34
23 21 13 23-1551	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	255.77	38.34
23 21 13 23-1552	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	255.77	38.34
23 21 13 23-1553	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	283.21	38.34
23 21 13 23-1554	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	279.50	51.12
23 21 13 23-1555	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	279.50	51.12
23 21 13 23-1556	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	310.78	51.12
23 21 13 23-1557	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	319.56	51.12
23 21 13 23-1558	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	319.56	51.12
23 21 13 23-1559	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	328.34	51.12
23 21 13 23-1560	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	345.17	51.12
23 21 13 23-1561	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	407.48	70.30
23 21 13 23-1562	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	407.48	70.30
23 21 13 23-1563	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	422.66	70.30
23 21 13 23-1564	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	441.68	70.30
23 21 13 23-1565	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	452.04	89.47
23 21 13 23-1566	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	452.04	89.47
23 21 13 23-1567	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	474.35	89.47
23 21 13 23-1568	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	493.19	89.47
23 21 13 23-1569	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	526.67	89.47
23 21 13 23-1570	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	720.16	118.43
23 21 13 23-1571	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	720.16	118.43
23 21 13 23-1572	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	747.05	118.43
23 21 13 23-1573	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	762.96	118.43

23 21 13 23-1574 Installation-Ready™ Grooved Fittings *(23 21 13 23-1347)*

23 21 13 23-1575 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1574)*

Note: Victaulic No. 101

23 21 13 23-1576	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	148.55	8.43
		For Galvanized Fittings, Add	*44.80*	
		For Galvanized Fittings, Add	*34.76*	
23 21 13 23-1577	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	155.10	10.12
		For Galvanized Fittings, Add	*46.12*	
		For Galvanized Fittings, Add	*35.78*	
23 21 13 23-1578	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	161.21	13.50
		For Galvanized Fittings, Add	*46.45*	
		For Galvanized Fittings, Add	*36.03*	
23 21 13 23-1579	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	195.27	16.87
		For Galvanized Fittings, Add	*56.00*	
		For Galvanized Fittings, Add	*43.45*	

23 21 13 23-1580 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1574)*

Note: Victaulic No. 103

23 21 13 23-1581	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	148.55	8.43
		For Galvanized Fittings, Add	*32.58*	
		For Galvanized Fittings, Add	*34.76*	
23 21 13 23-1582	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	155.10	10.12
		For Galvanized Fittings, Add	*33.54*	
		For Galvanized Fittings, Add	*35.78*	
23 21 13 23-1583	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	161.21	13.50
		For Galvanized Fittings, Add	*33.78*	
		For Galvanized Fittings, Add	*36.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1584	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	195.27	16.87
		For Galvanized Fittings, Add	*40.73*	
		For Galvanized Fittings, Add	*43.45*	
23 21 13 23-1585		Installation-Ready™ Grooved Tees *(23 21 13 23-1574)*		
		Note: Victaulic No. 102		
23 21 13 23-1586	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	226.68	11.25
		For Galvanized Fittings, Add	*62.89*	
		For Galvanized Fittings, Add	*53.67*	
23 21 13 23-1587	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	237.08	13.50
		For Galvanized Fittings, Add	*64.99*	
		For Galvanized Fittings, Add	*55.46*	
23 21 13 23-1588	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	246.88	17.99
		For Galvanized Fittings, Add	*65.89*	
		For Galvanized Fittings, Add	*56.22*	
23 21 13 23-1589	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	287.65	22.49
		For Galvanized Fittings, Add	*76.07*	
		For Galvanized Fittings, Add	*64.91*	
23 21 13 23-1590		Grooved Fittings *(23 21 13 23-1347)*		
23 21 13 23-1591		Flanged Adapter Nipple, Grooved *(23 21 13 23-1590)*		
		Note: Victaulic No. 41 and 45		
23 21 13 23-1592	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	526.24	10.22
		For Galvanized Fittings, Add	*91.96*	
		For 300 LB Rating, Add	*76.64*	
23 21 13 23-1593	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	527.94	11.33
		For Galvanized Fittings, Add	*91.96*	
		For 300 LB Rating, Add	*76.64*	
23 21 13 23-1594	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	532.21	14.23
		For Galvanized Fittings, Add	*91.96*	
		For 300 LB Rating, Add	*76.64*	
23 21 13 23-1595	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	541.16	20.20
		For Galvanized Fittings, Add	*91.96*	
		For 300 LB Rating, Add	*76.64*	
23 21 13 23-1596	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	547.57	24.46
		For Galvanized Fittings, Add	*91.96*	
		For 300 LB Rating, Add	*76.64*	
23 21 13 23-1597	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	697.50	29.23
		For Galvanized Fittings, Add	*117.67*	
		For 300 LB Rating, Add	*98.06*	
23 21 13 23-1598	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	838.63	39.37
		For Galvanized Fittings, Add	*140.34*	
		For 300 LB Rating, Add	*116.95*	
23 21 13 23-1599	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,185.46	47.63
		For Galvanized Fittings, Add	*200.53*	
		For 300 LB Rating, Add	*167.11*	
23 21 13 23-1600	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,367.54	64.33
		For Galvanized Fittings, Add	*228.79*	
		For 300 LB Rating, Add	*190.66*	
23 21 13 23-1601	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,885.03	87.08
		For Galvanized Fittings, Add	*315.81*	
		For 300 LB Rating, Add	*263.18*	
23 21 13 23-1602	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,021.59	105.74
		For Galvanized Fittings, Add	*515.36*	
		For 300 LB Rating, Add	*429.46*	
23 21 13 23-1603	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,099.65	123.29
		For Galvanized Fittings, Add	*704.65*	
		For 300 LB Rating, Add	*587.21*	
23 21 13 23-1604	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,838.43	148.00
		For Galvanized Fittings, Add	*830.98*	
		For 300 LB Rating, Add	*692.48*	
23 21 13 23-1605	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	7,356.09	164.44
		For Galvanized Fittings, Add	*1,279.72*	
		For 300 LB Rating, Add	*1,066.43*	
23 21 13 23-1606	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,720.57	246.67
		For Galvanized Fittings, Add	*1,503.14*	
		For 300 LB Rating, Add	*1,252.61*	
23 21 13 23-1607	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,147.96	296.01
		For Galvanized Fittings, Add	*1,566.75*	
		For 300 LB Rating, Add	*1,305.63*	
23 21 13 23-1608	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	15,508.89	328.90
		For Galvanized Fittings, Add	*2,702.84*	
		For 300 LB Rating, Add	*2,252.37*	
23 21 13 23-1609		Grooved Concentric Reducers *(23 21 13 23-1590)*		
		Note: Victaulic No. 50		
23 21 13 23-1610	EA	1-1/4" x 3/4" Concentric Reducer, Grooved	560.27	10.22
		For Galvanized Fittings, Add	*23.98*	
23 21 13 23-1611	EA	1-1/4" x 1" Concentric Reducer, Grooved	585.68	10.82
		For Galvanized Fittings, Add	*25.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1612	EA	1-1/2" x 3/4" Concentric Reducer, Grooved	660.65	11.67
		For Galvanized Fittings, Add	*77.31*	
23 21 13 23-1613	EA	1-1/2" x 1" Concentric Reducer, Grooved	156.05	12.19
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1614	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved	552.27	12.78
		For Galvanized Fittings, Add	*64.08*	
23 21 13 23-1615	EA	2" x 3/4" Concentric Reducer, Grooved	158.60	13.89
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1616	EA	2" x 1" Concentric Reducer, Grooved	159.46	14.48
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1617	EA	2" x 1-1/4" Concentric Reducer, Grooved	174.14	15.09
		For Galvanized Fittings, Add	*18.22*	
23 21 13 23-1618	EA	2" x 1-1/2" Concentric Reducer, Grooved	162.91	16.79
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1619	EA	2-1/2" x 3/4" Concentric Reducer, Grooved	1,144.48	15.68
		For Galvanized Fittings, Add	*134.74*	
23 21 13 23-1620	EA	2-1/2" x 1" Concentric Reducer, Grooved	903.68	16.27
		For Galvanized Fittings, Add	*105.70*	
23 21 13 23-1621	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved	821.19	16.79
		For Galvanized Fittings, Add	*95.68*	
23 21 13 23-1622	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved	165.42	18.49
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1623	EA	2-1/2" x 2" Concentric Reducer, Grooved	168.83	20.70
		For Galvanized Fittings, Add	*16.56*	
23 21 13 23-1624	EA	3" x 3/4" Concentric Reducer, Grooved	1,155.54	18.24
		For Galvanized Fittings, Add	*171.49*	
23 21 13 23-1625	EA	3" x 1" Concentric Reducer, Grooved	180.19	18.75
		For Galvanized Fittings, Add	*23.12*	
23 21 13 23-1626	EA	3" x 1-1/4" Concentric Reducer, Grooved	902.82	19.34
		For Galvanized Fittings, Add	*132.83*	
23 21 13 23-1627	EA	3" x 1-1/2" Concentric Reducer, Grooved	843.12	20.70
		For Galvanized Fittings, Add	*123.43*	
23 21 13 23-1628	EA	3" x 2" Concentric Reducer, Grooved	155.32	23.01
		For Galvanized Fittings, Add	*18.36*	
23 21 13 23-1629	EA	3" x 2-1/2" Concentric Reducer, Grooved	207.59	27.43
		For Galvanized Fittings, Add	*25.30*	
23 21 13 23-1630	EA	3-1/2" x 3" Concentric Reducer, Grooved	221.70	29.57
		For Galvanized Fittings, Add	*26.96*	
23 21 13 23-1631	EA	4" x 1" Concentric Reducer, Grooved	217.80	23.26
		For Galvanized Fittings, Add	*31.36*	
23 21 13 23-1632	EA	4" x 1-1/4" Concentric Reducer, Grooved	1,481.35	23.86
		For Galvanized Fittings, Add	*247.91*	
23 21 13 23-1633	EA	4" x 1-1/2" Concentric Reducer, Grooved	1,143.06	25.31
		For Galvanized Fittings, Add	*189.53*	
23 21 13 23-1634	EA	4" x 2" Concentric Reducer, Grooved	202.17	27.61
		For Galvanized Fittings, Add	*27.58*	
23 21 13 23-1635	EA	4" x 2-1/2" Concentric Reducer, Grooved	245.91	29.57
		For Galvanized Fittings, Add	*34.57*	
23 21 13 23-1636	EA	4" x 3" Concentric Reducer, Grooved	249.32	31.86
		For Galvanized Fittings, Add	*34.57*	
23 21 13 23-1637	EA	4" x 3-1/2" Concentric Reducer, Grooved	252.73	34.09
		For Galvanized Fittings, Add	*34.57*	
23 21 13 23-1638	EA	5" x 2" Concentric Reducer, Grooved	2,082.48	32.12
		For Galvanized Fittings, Add	*348.89*	
23 21 13 23-1639	EA	5" x 2-1/2" Concentric Reducer, Grooved	1,629.51	34.09
		For Galvanized Fittings, Add	*270.69*	
23 21 13 23-1640	EA	5" x 3" Concentric Reducer, Grooved	290.52	36.38
		For Galvanized Fittings, Add	*40.47*	
23 21 13 23-1641	EA	5" x 4" Concentric Reducer, Grooved	343.18	40.90
		For Galvanized Fittings, Add	*48.33*	
23 21 13 23-1642	EA	6" x 1" Concentric Reducer, Grooved	426.79	34.68
		For Galvanized Fittings, Add	*69.94*	
23 21 13 23-1643	EA	6" x 1-1/2" Concentric Reducer, Grooved	2,193.91	36.64
		For Galvanized Fittings, Add	*399.13*	
23 21 13 23-1644	EA	6" x 2" Concentric Reducer, Grooved	433.17	38.94
		For Galvanized Fittings, Add	*69.94*	
23 21 13 23-1645	EA	6" x 2-1/2" Concentric Reducer, Grooved	2,212.49	40.90
		For Galvanized Fittings, Add	*401.40*	
23 21 13 23-1646	EA	6" x 3" Concentric Reducer, Grooved	439.57	43.20
		For Galvanized Fittings, Add	*69.94*	
23 21 13 23-1647	EA	6" x 4" Concentric Reducer, Grooved	397.98	47.71
		For Galvanized Fittings, Add	*60.91*	
23 21 13 23-1648	EA	6" x 5" Concentric Reducer, Grooved	561.28	52.31
		For Galvanized Fittings, Add	*90.11*	
23 21 13 23-1649	EA	8" x 3" Concentric Reducer, Grooved	743.01	48.91
		For Galvanized Fittings, Add	*124.97*	
23 21 13 23-1650	EA	8" x 4" Concentric Reducer, Grooved	749.82	53.43
		For Galvanized Fittings, Add	*124.97*	
23 21 13 23-1651	EA	8" x 5" Concentric Reducer, Grooved	756.65	57.94
		For Galvanized Fittings, Add	*124.97*	
23 21 13 23-1652	EA	8" x 6" Concentric Reducer, Grooved	951.19	64.76
		For Galvanized Fittings, Add	*159.37*	
23 21 13 23-1653	EA	10" x 4" Concentric Reducer, Grooved	1,683.62	59.39
		For Galvanized Fittings, Add	*297.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1654	EA	10" x 5" Concentric Reducer, Grooved	3,610.87	63.91
		For Galvanized Fittings, Add	*655.90*	
23 21 13 23-1655	EA	10" x 6" Concentric Reducer, Grooved	1,849.84	70.72
		For Galvanized Fittings, Add	*325.39*	
23 21 13 23-1656	EA	10" x 8" Concentric Reducer, Grooved	1,858.35	76.42
		For Galvanized Fittings, Add	*325.39*	
23 21 13 23-1657	EA	12" x 4" Concentric Reducer, Grooved	5,379.98	67.65
		For Galvanized Fittings, Add	*791.79*	
23 21 13 23-1658	EA	12" x 6" Concentric Reducer, Grooved	2,198.23	78.98
		For Galvanized Fittings, Add	*311.97*	
23 21 13 23-1659	EA	12" x 8" Concentric Reducer, Grooved	3,251.13	84.70
		For Galvanized Fittings, Add	*468.63*	
23 21 13 23-1660	EA	12" x 10" Concentric Reducer, Grooved	3,260.12	90.65
		For Galvanized Fittings, Add	*468.63*	
23 21 13 23-1661	EA	14" x 6" Concentric Reducer, Grooved	10,727.95	85.12
		For Galvanized Fittings, Add	*325.43*	
23 21 13 23-1662	EA	14" x 8" Concentric Reducer, Grooved	6,358.18	90.83
		For Galvanized Fittings, Add	*191.02*	
23 21 13 23-1663	EA	14" x 10" Concentric Reducer, Grooved	5,398.59	96.79
		For Galvanized Fittings, Add	*161.28*	
23 21 13 23-1664	EA	14" x 12" Concentric Reducer, Grooved	5,410.93	104.98
		For Galvanized Fittings, Add	*161.28*	
23 21 13 23-1665	EA	16" x 8" Concentric Reducer, Grooved	9,731.82	96.87
		For Galvanized Fittings, Add	*294.31*	
23 21 13 23-1666	EA	16" x 10" Concentric Reducer, Grooved	9,017.54	102.84
		For Galvanized Fittings, Add	*272.10*	
23 21 13 23-1667	EA	16" x 12" Concentric Reducer, Grooved	8,320.98	111.10
		For Galvanized Fittings, Add	*250.34*	
23 21 13 23-1668	EA	16" x 14" Concentric Reducer, Grooved	8,330.18	117.24
		For Galvanized Fittings, Add	*250.34*	
23 21 13 23-1669	EA	18" x 10" Concentric Reducer, Grooved	12,678.39	108.55
		For Galvanized Fittings, Add	*384.23*	
23 21 13 23-1670	EA	18" x 12" Concentric Reducer, Grooved	11,459.83	116.73
		For Galvanized Fittings, Add	*346.44*	
23 21 13 23-1671	EA	18" x 14" Concentric Reducer, Grooved	10,400.32	122.87
		For Galvanized Fittings, Add	*313.63*	
23 21 13 23-1672	EA	18" x 16" Concentric Reducer, Grooved	10,409.53	129.09
		For Galvanized Fittings, Add	*313.63*	
23 21 13 23-1673	EA	20" x 10" Concentric Reducer, Grooved	13,963.31	111.37
		For Galvanized Fittings, Add	*423.55*	
23 21 13 23-1674	EA	20" x 12" Concentric Reducer, Grooved	11,941.71	119.63
		For Galvanized Fittings, Add	*361.11*	
23 21 13 23-1675	EA	20" x 14" Concentric Reducer, Grooved	11,950.91	125.77
		For Galvanized Fittings, Add	*361.11*	
23 21 13 23-1676	EA	20" x 16" Concentric Reducer, Grooved	10,632.89	131.82
		For Galvanized Fittings, Add	*320.36*	
23 21 13 23-1677	EA	20" x 18" Concentric Reducer, Grooved	11,334.17	137.52
		For Galvanized Fittings, Add	*341.63*	
23 21 13 23-1678	EA	24" x 10" Concentric Reducer, Grooved	30,929.03	123.89
		For Galvanized Fittings, Add	*943.82*	
23 21 13 23-1679	EA	24" x 12" Concentric Reducer, Grooved	30,198.95	132.16
		For Galvanized Fittings, Add	*921.02*	
23 21 13 23-1680	EA	24" x 14" Concentric Reducer, Grooved	26,290.71	138.21
		For Galvanized Fittings, Add	*800.76*	
23 21 13 23-1681	EA	24" x 16" Concentric Reducer, Grooved	26,299.97	144.43
		For Galvanized Fittings, Add	*800.76*	
23 21 13 23-1682	EA	24" x 18" Concentric Reducer, Grooved	22,488.68	150.05
		For Galvanized Fittings, Add	*683.50*	
23 21 13 23-1683	EA	24" x 20" Concentric Reducer, Grooved	20,520.93	152.94
		For Galvanized Fittings, Add	*622.95*	

23 21 13 23-1684 Grooved Eccentric Reducers *(23 21 13 23-1590)*

Note: Victaulic No. 51

23 21 13 23-1685	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	682.84	11.67
		For Galvanized Fittings, Add	*79.98*	
23 21 13 23-1686	EA	1-1/2" x 1" Eccentric Reducer, Grooved	618.92	12.19
		For Galvanized Fittings, Add	*72.19*	
23 21 13 23-1687	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	606.67	12.78
		For Galvanized Fittings, Add	*70.62*	
23 21 13 23-1688	EA	2" x 3/4" Eccentric Reducer, Grooved	1,313.77	13.89
		For Galvanized Fittings, Add	*155.41*	
23 21 13 23-1689	EA	2" x 1" Eccentric Reducer, Grooved	684.92	14.48
		For Galvanized Fittings, Add	*79.72*	
23 21 13 23-1690	EA	2" x 1-1/4" Eccentric Reducer, Grooved	749.63	15.09
		For Galvanized Fittings, Add	*87.39*	
23 21 13 23-1691	EA	2" x 1-1/2" Eccentric Reducer, Grooved	633.80	16.79
		For Galvanized Fittings, Add	*73.15*	
23 21 13 23-1692	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved	1,711.24	15.68
		For Galvanized Fittings, Add	*202.87*	
23 21 13 23-1693	EA	2-1/2" x 1" Eccentric Reducer, Grooved	1,596.71	16.27
		For Galvanized Fittings, Add	*189.00*	
23 21 13 23-1694	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	938.37	16.79
		For Galvanized Fittings, Add	*109.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1695	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	751.29	18.49
		For Galvanized Fittings, Add	*86.98*	
23 21 13 23-1696	EA	2-1/2" x 2" Eccentric Reducer, Grooved	322.58	20.70
		For Galvanized Fittings, Add	*35.04*	
23 21 13 23-1697	EA	3" x 1" Eccentric Reducer, Grooved	1,714.71	18.75
		For Galvanized Fittings, Add	*202.73*	
23 21 13 23-1698	EA	3" x 1-1/4" Eccentric Reducer, Grooved	1,555.83	19.34
		For Galvanized Fittings, Add	*183.53*	
23 21 13 23-1699	EA	3" x 1-1/2" Eccentric Reducer, Grooved	868.05	20.70
		For Galvanized Fittings, Add	*100.60*	
23 21 13 23-1700	EA	3" x 2" Eccentric Reducer, Grooved	369.47	23.01
		For Galvanized Fittings, Add	*40.26*	
23 21 13 23-1701	EA	3" x 2-1/2" Eccentric Reducer, Grooved	376.07	27.43
		For Galvanized Fittings, Add	*40.26*	
23 21 13 23-1702	EA	3-1/2" x 3" Eccentric Reducer, Grooved	1,897.41	29.57
		For Galvanized Fittings, Add	*222.74*	
23 21 13 23-1703	EA	4" x 1" Eccentric Reducer, Grooved	3,453.69	23.26
		For Galvanized Fittings, Add	*586.32*	
23 21 13 23-1704	EA	4" x 1-1/2" Eccentric Reducer, Grooved	2,105.55	25.31
		For Galvanized Fittings, Add	*354.60*	
23 21 13 23-1705	EA	4" x 2" Eccentric Reducer, Grooved	450.89	27.61
		For Galvanized Fittings, Add	*70.24*	
23 21 13 23-1706	EA	4" x 2-1/2" Eccentric Reducer, Grooved	453.87	29.57
		For Galvanized Fittings, Add	*70.24*	
23 21 13 23-1707	EA	4" x 3" Eccentric Reducer, Grooved	457.28	31.86
		For Galvanized Fittings, Add	*70.24*	
23 21 13 23-1708	EA	5" x 2" Eccentric Reducer, Grooved	2,328.11	32.12
		For Galvanized Fittings, Add	*391.01*	
23 21 13 23-1709	EA	5" x 2-1/2" Eccentric Reducer, Grooved	1,993.58	34.09
		For Galvanized Fittings, Add	*333.13*	
23 21 13 23-1710	EA	5" x 3" Eccentric Reducer, Grooved	1,930.76	36.38
		For Galvanized Fittings, Add	*321.77*	
23 21 13 23-1711	EA	5" x 4" Eccentric Reducer, Grooved	619.19	40.90
		For Galvanized Fittings, Add	*95.67*	
23 21 13 23-1712	EA	6" x 1" Eccentric Reducer, Grooved	3,596.28	34.68
		For Galvanized Fittings, Add	*661.37*	
23 21 13 23-1713	EA	6" x 2" Eccentric Reducer, Grooved	3,290.62	38.94
		For Galvanized Fittings, Add	*603.14*	
23 21 13 23-1714	EA	6" x 2-1/2" Eccentric Reducer, Grooved	3,910.22	40.90
		For Galvanized Fittings, Add	*718.20*	
23 21 13 23-1715	EA	6" x 3" Eccentric Reducer, Grooved	807.46	43.20
		For Galvanized Fittings, Add	*138.59*	
23 21 13 23-1716	EA	6" x 4" Eccentric Reducer, Grooved	721.66	47.71
		For Galvanized Fittings, Add	*121.31*	
23 21 13 23-1717	EA	6" x 5" Eccentric Reducer, Grooved	858.22	52.31
		For Galvanized Fittings, Add	*145.51*	
23 21 13 23-1718	EA	8" x 3" Eccentric Reducer, Grooved	3,828.80	48.91
		For Galvanized Fittings, Add	*700.78*	
23 21 13 23-1719	EA	8" x 4" Eccentric Reducer, Grooved	3,362.19	53.43
		For Galvanized Fittings, Add	*612.44*	
23 21 13 23-1720	EA	8" x 5" Eccentric Reducer, Grooved	3,142.68	57.94
		For Galvanized Fittings, Add	*570.21*	
23 21 13 23-1721	EA	8" x 6" Eccentric Reducer, Grooved	1,415.33	64.76
		For Galvanized Fittings, Add	*245.97*	
23 21 13 23-1722	EA	10" x 4" Eccentric Reducer, Grooved	6,111.81	59.39
		For Galvanized Fittings, Add	*1,123.85*	
23 21 13 23-1723	EA	10" x 5" Eccentric Reducer, Grooved	5,770.20	63.91
		For Galvanized Fittings, Add	*1,058.83*	
23 21 13 23-1724	EA	10" x 6" Eccentric Reducer, Grooved	4,385.07	70.72
		For Galvanized Fittings, Add	*798.46*	
23 21 13 23-1725	EA	10" x 8" Eccentric Reducer, Grooved	3,736.21	76.42
		For Galvanized Fittings, Add	*675.79*	
23 21 13 23-1726	EA	12" x 4" Eccentric Reducer, Grooved	6,225.48	67.65
		For Galvanized Fittings, Add	*924.13*	
23 21 13 23-1727	EA	12" x 6" Eccentric Reducer, Grooved	5,834.77	78.98
		For Galvanized Fittings, Add	*862.60*	
23 21 13 23-1728	EA	12" x 8" Eccentric Reducer, Grooved	5,697.03	84.70
		For Galvanized Fittings, Add	*840.53*	
23 21 13 23-1729	EA	12" x 10" Eccentric Reducer, Grooved	5,125.06	90.65
		For Galvanized Fittings, Add	*752.86*	
23 21 13 23-1730	EA	14" x 6" Eccentric Reducer, Grooved	14,550.98	85.12
		For Galvanized Fittings, Add	*442.80*	
23 21 13 23-1731	EA	14" x 8" Eccentric Reducer, Grooved	9,357.36	90.83
		For Galvanized Fittings, Add	*283.09*	
23 21 13 23-1732	EA	14" x 10" Eccentric Reducer, Grooved	8,923.05	96.79
		For Galvanized Fittings, Add	*269.48*	
23 21 13 23-1733	EA	14" x 12" Eccentric Reducer, Grooved	8,935.39	104.98
		For Galvanized Fittings, Add	*269.48*	
23 21 13 23-1734	EA	16" x 8" Eccentric Reducer, Grooved	16,074.07	96.87
		For Galvanized Fittings, Add	*489.01*	
23 21 13 23-1735	EA	16" x 10" Eccentric Reducer, Grooved	14,873.63	102.84
		For Galvanized Fittings, Add	*451.88*	
23 21 13 23-1736	EA	16" x 12" Eccentric Reducer, Grooved	13,997.49	111.10
		For Galvanized Fittings, Add	*424.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1737	EA	16" x 14" Eccentric Reducer, Grooved	14,006.69	117.24
		For Galvanized Fittings, Add	*424.61*	
23 21 13 23-1738	EA	18" x 10" Eccentric Reducer, Grooved	20,182.54	108.55
		For Galvanized Fittings, Add	*614.61*	
23 21 13 23-1739	EA	18" x 12" Eccentric Reducer, Grooved	18,973.62	116.73
		For Galvanized Fittings, Add	*577.12*	
23 21 13 23-1740	EA	18" x 14" Eccentric Reducer, Grooved	17,263.66	122.87
		For Galvanized Fittings, Add	*524.34*	
23 21 13 23-1741	EA	18" x 16" Eccentric Reducer, Grooved	17,272.87	129.09
		For Galvanized Fittings, Add	*524.34*	
23 21 13 23-1742	EA	20" x 10" Eccentric Reducer, Grooved	26,548.29	111.37
		For Galvanized Fittings, Add	*809.91*	
23 21 13 23-1743	EA	20" x 12" Eccentric Reducer, Grooved	19,693.31	119.63
		For Galvanized Fittings, Add	*599.08*	
23 21 13 23-1744	EA	20" x 14" Eccentric Reducer, Grooved	18,482.57	125.77
		For Galvanized Fittings, Add	*561.63*	
23 21 13 23-1745	EA	20" x 16" Eccentric Reducer, Grooved	18,195.64	131.82
		For Galvanized Fittings, Add	*552.54*	
23 21 13 23-1746	EA	20" x 18" Eccentric Reducer, Grooved	17,514.67	137.52
		For Galvanized Fittings, Add	*531.37*	
23 21 13 23-1747	EA	24" x 12" Eccentric Reducer, Grooved	38,388.49	132.16
		For Galvanized Fittings, Add	*1,172.44*	
23 21 13 23-1748	EA	24" x 14" Eccentric Reducer, Grooved	32,756.32	138.21
		For Galvanized Fittings, Add	*999.26*	
23 21 13 23-1749	EA	24" x 16" Eccentric Reducer, Grooved	32,765.58	144.43
		For Galvanized Fittings, Add	*999.26*	
23 21 13 23-1750	EA	24" x 18" Eccentric Reducer, Grooved	30,926.40	150.05
		For Galvanized Fittings, Add	*942.53*	
23 21 13 23-1751	EA	24" x 20" Eccentric Reducer, Grooved	28,245.96	152.94
		For Galvanized Fittings, Add	*860.11*	

23 21 13 23-1752 Close Nipple, Grooved *(23 21 13 23-1590)*

Note: Victaulic No. 143

23 21 13 23-1753	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	39.33	11.25
		For Galvanized Fittings, Add	*4.01*	
		For 300 LB Rating, Add	*3.34*	
		For Galvanized Fittings, Add	*5.71*	
23 21 13 23-1754	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	45.60	14.06
		For Galvanized Fittings, Add	*4.37*	
		For 300 LB Rating, Add	*3.64*	
		For Galvanized Fittings, Add	*6.22*	
23 21 13 23-1755	EA	2" Ductile Iron, Grooved, Close Nipple	57.40	18.56
		For Galvanized Fittings, Add	*5.27*	
		For 300 LB Rating, Add	*4.39*	
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1756	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	68.70	22.49
		For Galvanized Fittings, Add	*6.23*	
		For 300 LB Rating, Add	*5.19*	
		For Galvanized Fittings, Add	*8.86*	

23 21 13 23-1757 Grooved Couplings *(23 21 13 23-1347)*

23 21 13 23-1758 Flexible Grooved Coupling *(23 21 13 23-1757)*

Note: Victaulic Style 77

23 21 13 23-1759	EA	3/4" Standard Coupling, Grooved	72.13	4.60
		For Galvanized Fittings, Add	*18.25*	
23 21 13 23-1760	EA	1" Standard Coupling, Grooved	72.13	4.60
		For Galvanized Fittings, Add	*18.25*	
23 21 13 23-1761	EA	1-1/4" Standard Coupling, Grooved	95.39	5.80
		For Galvanized Fittings, Add	*24.27*	
23 21 13 23-1762	EA	1-1/2" Standard Coupling, Grooved	105.14	6.90
		For Galvanized Fittings, Add	*26.53*	
23 21 13 23-1763	EA	2" Standard Coupling, Grooved	114.04	9.29
		For Galvanized Fittings, Add	*28.03*	
23 21 13 23-1764	EA	2-1/2" Standard Coupling, Grooved	136.80	11.33
		For Galvanized Fittings, Add	*33.56*	
23 21 13 23-1765	EA	3" Standard Coupling, Grooved	140.09	13.55
		For Galvanized Fittings, Add	*33.56*	
23 21 13 23-1766	EA	3-1/2" Standard Coupling, Grooved	216.88	15.85
		For Galvanized Fittings, Add	*54.06*	
23 21 13 23-1767	EA	4" Standard Coupling, Grooved	220.21	18.06
		For Galvanized Fittings, Add	*54.06*	
23 21 13 23-1768	EA	5" Standard Coupling, Grooved	329.94	22.66
		For Galvanized Fittings, Add	*82.89*	
23 21 13 23-1769	EA	6" Standard Coupling, Grooved	394.30	29.57
		For Galvanized Fittings, Add	*97.98*	
23 21 13 23-1770	EA	8" Standard Coupling, Grooved	623.24	35.27
		For Galvanized Fittings, Add	*159.71*	
23 21 13 23-1771	EA	10" Standard Coupling, Grooved	1,011.38	42.26
		For Galvanized Fittings, Add	*265.43*	
23 21 13 23-1772	EA	12" Standard Coupling, Grooved	1,148.69	46.26
		For Galvanized Fittings, Add	*302.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1773	EA	14" Standard Coupling, Grooved	1,403.68	61.69
		For Galvanized Fittings, Add	*367.14*	
23 21 13 23-1774	EA	16" Standard Coupling, Grooved	1,830.86	74.04
		For Galvanized Fittings, Add	*481.58*	
23 21 13 23-1775	EA	18" Standard Coupling, Grooved	2,137.54	82.22
		For Galvanized Fittings, Add	*564.00*	
23 21 13 23-1776	EA	20" Standard Coupling, Grooved	3,307.46	92.54
		For Galvanized Fittings, Add	*887.26*	
23 21 13 23-1777	EA	24" Standard Coupling, Grooved	3,645.73	113.83
		For Galvanized Fittings, Add	*973.01*	

23 21 13 23-1778 Zero-Flex® Rigid Coupling *(23 21 13 23-1757)*

Note: Victaulic Style 07

23 21 13 23-1779	EA	1" Rigid Coupling, Grooved	97.61	4.60
		For Galvanized Fittings, Add	*22.21*	
23 21 13 23-1780	EA	1-1/4" Rigid Coupling, Grooved	99.36	5.80
		For Galvanized Fittings, Add	*22.21*	
23 21 13 23-1781	EA	1-1/2" Rigid Coupling, Grooved	101.04	6.90
		For Galvanized Fittings, Add	*22.21*	
23 21 13 23-1782	EA	2" Rigid Coupling, Grooved	106.88	9.29
		For Galvanized Fittings, Add	*22.78*	
23 21 13 23-1783	EA	2-1/2" Rigid Coupling, Grooved	124.13	11.33
		For Galvanized Fittings, Add	*26.26*	
23 21 13 23-1784	EA	3" Rigid Coupling, Grooved	127.42	13.55
		For Galvanized Fittings, Add	*26.26*	
23 21 13 23-1785	EA	3-1/2" Rigid Coupling, Grooved	149.02	15.85
		For Galvanized Fittings, Add	*30.68*	
23 21 13 23-1786	EA	4" Rigid Coupling, Grooved	204.59	18.06
		For Galvanized Fittings, Add	*43.48*	
23 21 13 23-1787	EA	5" Rigid Coupling, Grooved	264.39	22.66
		For Galvanized Fittings, Add	*56.47*	
23 21 13 23-1788	EA	6" Rigid Coupling, Grooved	352.44	29.57
		For Galvanized Fittings, Add	*75.47*	
23 21 13 23-1789	EA	8" Rigid Coupling, Grooved	538.16	35.27
		For Galvanized Fittings, Add	*118.90*	
23 21 13 23-1790	EA	10" Rigid Coupling, Grooved	933.03	42.26
		For Galvanized Fittings, Add	*213.06*	
23 21 13 23-1791	EA	12" Rigid Coupling, Grooved	1,042.48	46.26
		For Galvanized Fittings, Add	*238.42*	
23 21 13 23-1792	EA	14" Rigid Coupling, Grooved	1,363.87	61.69
		For Galvanized Fittings, Add	*311.50*	
23 21 13 23-1793	EA	16" Rigid Coupling, Grooved	1,769.14	74.04
		For Galvanized Fittings, Add	*406.26*	
23 21 13 23-1794	EA	18" Rigid Coupling, Grooved	2,040.17	82.22
		For Galvanized Fittings, Add	*469.64*	
23 21 13 23-1795	EA	20" Rigid Coupling, Grooved	2,420.87	92.54
		For Galvanized Fittings, Add	*559.14*	
23 21 13 23-1796	EA	24" Rigid Coupling, Grooved	3,532.22	113.83
		For Galvanized Fittings, Add	*823.58*	

23 21 13 23-1797 Large Diameter Grooved Coupling *(23 21 13 23-1757)*

Note: Victaulic Style 770

23 21 13 23-1798	EA	28" Coupling, Grooved	4,067.65	22.66
		For Galvanized Fittings, Add	*564.72*	
23 21 13 23-1799	EA	30" Coupling, Grooved	4,688.47	29.57
		For Galvanized Fittings, Add	*650.17*	
23 21 13 23-1800	EA	32" Coupling, Grooved	7,007.66	35.27
		For Galvanized Fittings, Add	*973.67*	
23 21 13 23-1801	EA	36" Coupling, Grooved	9,328.91	42.26
		For Galvanized Fittings, Add	*1,297.17*	
23 21 13 23-1802	EA	42" Coupling, Grooved	18,807.96	46.26
		For Galvanized Fittings, Add	*2,623.41*	

23 21 13 23-1803 Flexible Coupling *(23 21 13 23-1757)*

Note: Victaulic Style 75

23 21 13 23-1804	EA	1-1/2" Flexible Coupling, Grooved	92.78	6.90
		For Galvanized Fittings, Add	*21.09*	
23 21 13 23-1805	EA	2" Flexible Coupling, Grooved	98.42	9.29
		For Galvanized Fittings, Add	*21.63*	
23 21 13 23-1806	EA	2-1/2" Flexible Coupling, Grooved	114.91	11.33
		For Galvanized Fittings, Add	*25.08*	
23 21 13 23-1807	EA	3" Flexible Coupling, Grooved	134.14	13.55
		For Galvanized Fittings, Add	*29.16*	
23 21 13 23-1808	EA	3-1/2" Flexible Coupling, Grooved	185.13	15.85
		For Galvanized Fittings, Add	*41.30*	
23 21 13 23-1809	EA	4" Flexible Coupling, Grooved	188.46	18.06
		For Galvanized Fittings, Add	*41.30*	
23 21 13 23-1810	EA	5" Flexible Coupling, Grooved	266.69	22.66
		For Galvanized Fittings, Add	*59.59*	
23 21 13 23-1811	EA	6" Flexible Coupling, Grooved	324.78	29.57
		For Galvanized Fittings, Add	*71.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1812	EA	8" Flexible Coupling, Grooved	493.61	35.27
		For Galvanized Fittings, Add	*112.84*	
23 21 13 23-1813		**Installation-Ready™ Coupling** *(23 21 13 23-1757)*		
		Note: Victaulic Style 009N		
23 21 13 23-1814	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	45.80	4.30
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1815	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	47.89	5.14
		For Galvanized Fittings, Add	*10.26*	
23 21 13 23-1816	EA	2" Ductile Iron, Installation-Ready™ Coupling	55.82	6.91
		For Galvanized Fittings, Add	*11.61*	
23 21 13 23-1817	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	64.93	8.38
		For Galvanized Fittings, Add	*13.37*	
23 21 13 23-1818	EA	3" Ductile Iron, Installation-Ready™ Coupling	74.37	10.06
		For Galvanized Fittings, Add	*15.13*	
23 21 13 23-1819	EA	4" Ductile Iron, Installation-Ready™ Coupling	103.37	13.45
		For Galvanized Fittings, Add	*21.25*	
23 21 13 23-1820	EA	5" Ductile Iron, Installation-Ready™ Coupling	161.24	16.82
		For Galvanized Fittings, Add	*34.76*	
23 21 13 23-1821	EA	6" Ductile Iron, Installation-Ready™ Coupling	195.53	21.99
		For Galvanized Fittings, Add	*41.53*	
23 21 13 23-1822	EA	8" Ductile Iron, Installation-Ready™ Coupling	310.65	26.15
		For Galvanized Fittings, Add	*69.38*	
23 21 13 23-1823		**Grooved Strainers And Suction Diffusers** *(23 21 13 23-1347)*		
23 21 13 23-1824		**Grooved Wye Strainers** *(23 21 13 23-1823)*		
		Note: Victaulic Style 732		
23 21 13 23-1825	EA	2" Wye Strainer, Grooved	1,039.92	18.75
23 21 13 23-1826	EA	2-1/2" Wye Strainer, Grooved	1,097.01	22.75
23 21 13 23-1827	EA	3" Wye Strainer, Grooved	1,235.14	27.26
23 21 13 23-1828	EA	4" Wye Strainer, Grooved	1,405.83	36.38
23 21 13 23-1829	EA	5" Wye Strainer, Grooved	2,025.68	45.50
23 21 13 23-1830	EA	6" Wye Strainer, Grooved	2,214.23	59.14
23 21 13 23-1831	EA	8" Wye Strainer, Grooved	3,364.11	70.47
23 21 13 23-1832	EA	10" Wye Strainer, Grooved	5,361.38	82.39
23 21 13 23-1833	EA	12" Wye Strainer, Grooved	9,298.49	98.93
23 21 13 23-1834		**Grooved Tee Type Strainers** *(23 21 13 23-1823)*		
		Note: Victaulic Style 730		
23 21 13 23-1835	EA	1-1/2" Tee Type Strainer, Grooved	802.09	14.23
23 21 13 23-1836	EA	2" Tee Type Strainer, Grooved	1,027.43	18.75
23 21 13 23-1837	EA	2-1/2" Tee Type Strainer, Grooved	1,084.03	22.75
23 21 13 23-1838	EA	3" Tee Type Strainer, Grooved	1,220.47	27.26
23 21 13 23-1839	EA	4" Tee Type Strainer, Grooved	1,389.20	36.38
23 21 13 23-1840	EA	5" Tee Type Strainer, Grooved	2,001.47	45.50
23 21 13 23-1841	EA	6" Tee Type Strainer, Grooved	2,188.12	59.14
23 21 13 23-1842	EA	8" Tee Type Strainer, Grooved	3,323.70	70.47
23 21 13 23-1843	EA	10" Tee Type Strainer, Grooved	4,849.84	82.39
23 21 13 23-1844	EA	12" Tee Type Strainer, Grooved	6,232.31	98.93
23 21 13 23-1845	EA	14" Tee Type Strainer, Grooved	21,853.87	111.37
23 21 13 23-1846	EA	16" Tee Type Strainer, Grooved	27,138.45	123.29
23 21 13 23-1847	EA	18" Tee Type Strainer, Grooved	35,653.70	134.71
23 21 13 23-1848		**Grooved Suction Diffuser** *(23 21 13 23-1823)*		
		Note: Victaulic Style 731		
23 21 13 23-1849	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	2,106.61	21.04
23 21 13 23-1850	EA	3" Grooved x 2" Flanged Suction Diffuser	2,237.03	23.26
23 21 13 23-1851	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	1,624.16	27.26
23 21 13 23-1852	EA	3" Grooved x 3" Flanged Suction Diffuser	1,648.41	29.57
23 21 13 23-1853	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	1,783.78	29.57
23 21 13 23-1854	EA	4" Grooved x 3" Flanged Suction Diffuser	1,924.44	31.86
23 21 13 23-1855	EA	4" Grooved x 4" Flanged Suction Diffuser	2,221.48	31.86
23 21 13 23-1856	EA	5" Grooved x 4" Flanged Suction Diffuser	2,484.07	40.90
23 21 13 23-1857	EA	5" Grooved x 5" Flanged Suction Diffuser	2,610.42	43.20
23 21 13 23-1858	EA	6" Grooved x 4" Flanged Suction Diffuser	2,654.70	47.71
23 21 13 23-1859	EA	6" Grooved x 5" Flanged Suction Diffuser	3,168.44	52.31
23 21 13 23-1860	EA	6" Grooved x 6" Flanged Suction Diffuser	3,291.92	55.72
23 21 13 23-1861	EA	8" Grooved x 5" Flanged Suction Diffuser	3,378.34	57.94
23 21 13 23-1862	EA	8" Grooved x 6" Flanged Suction Diffuser	3,567.93	64.76
23 21 13 23-1863	EA	8" Grooved x 8" Flanged Suction Diffuser	6,078.46	70.47
23 21 13 23-1864	EA	10" Grooved x 8" Flanged Suction Diffuser	6,854.15	76.17
23 21 13 23-1865	EA	10" Grooved x 10" Flanged Suction Diffuser	8,239.63	78.98
23 21 13 23-1866	EA	12" Grooved x 10" Flanged Suction Diffuser	9,748.93	90.92
23 21 13 23-1867	EA	12" Grooved x 12" Flanged Suction Diffuser	13,515.94	96.62
23 21 13 23-1868	EA	14" Grooved x 10" Flanged Suction Diffuser	12,589.13	96.62
23 21 13 23-1869	EA	14" Grooved x 12" Flanged Suction Diffuser	14,058.29	105.15
23 21 13 23-1870	EA	14" Grooved x 14" Flanged Suction Diffuser	17,047.34	111.37

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1871	EA	16" Grooved x 14" Flanged Suction Diffuser	17,552.16	117.07
23 21 13 23-1872		Grooved Steel Valves *(23 21 13 23-1347)*		
23 21 13 23-1873		Grooved Butterfly Valves With Standard Trim *(23 21 13 23-1872)*		
23 21 13 23-1874	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	248.37	9.29
23 21 13 23-1875	EA	2" Butterfly Valve, Grooved, With Standard Trim	252.77	12.19
23 21 13 23-1876	EA	3" Butterfly Valve, Grooved, With Standard Trim	415.09	18.06
23 21 13 23-1877	EA	4" Butterfly Valve, Grooved, With Standard Trim	557.64	23.77
23 21 13 23-1878	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,219.48	38.94
23 21 13 23-1879	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,689.84	54.79
23 21 13 23-1880	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,539.17	74.04
23 21 13 23-1881		Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-1872)*		
23 21 13 23-1882	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	373.97	9.29
23 21 13 23-1883	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	378.37	12.19
23 21 13 23-1884	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	585.34	18.06
23 21 13 23-1885	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	744.64	23.77
23 21 13 23-1886	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,426.02	38.94
23 21 13 23-1887	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,370.86	54.79
23 21 13 23-1888	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	3,739.34	74.04
23 21 13 23-1889		Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-1872)* Note: Victaulic No. 721		
23 21 13 23-1890	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	209.33	9.12
23 21 13 23-1891	EA	2" Ball Valve, Grooved, With Standard Trim	239.54	12.53
23 21 13 23-1892	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	548.93	15.34
23 21 13 23-1893	EA	3" Ball Valve, Grooved, With Standard Trim	901.33	18.15
23 21 13 23-1894	EA	4" Ball Valve, Grooved, With Standard Trim	1,404.35	23.86
23 21 13 23-1895	EA	6" Ball Valve, Grooved, With Standard Trim	4,372.34	39.20
23 21 13 23-1896		Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-1872)* Note: Victaulic No. 721		
23 21 13 23-1897	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	223.08	9.12
23 21 13 23-1898	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	382.34	12.53
23 21 13 23-1899	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	999.19	15.34
23 21 13 23-1900	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,292.40	18.15
23 21 13 23-1901	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	1,765.74	23.86
23 21 13 23-1902	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	4,820.15	39.20
23 21 13 23-1903		Grooved Check Valves *(23 21 13 23-1872)* Note: Victaulic No. 712		
23 21 13 23-1904	EA	2" Check Valve, Grooved	318.16	12.53
23 21 13 23-1905	EA	2-1/2" Check Valve, Grooved	517.19	15.34
23 21 13 23-1906	EA	3" Check Valve, Grooved	602.56	18.15
23 21 13 23-1907	EA	4" Check Valve, Grooved	854.42	23.86
23 21 13 23-1908		Grooved Vic-Check Check Valves *(23 21 13 23-1872)* Note: Victaulic No. 716		
23 21 13 23-1909	EA	2-1/2" "Vic-Check" Check Valve, Grooved	412.76	15.34
23 21 13 23-1910	EA	3" "Vic-Check" Check Valve, Grooved	416.89	18.15
23 21 13 23-1911	EA	4" "Vic-Check" Check Valve, Grooved	522.27	23.86
23 21 13 23-1912	EA	6" "Vic-Check" Check Valve, Grooved	1,019.39	39.20
23 21 13 23-1913	EA	8" "Vic-Check" Check Valve, Grooved	1,394.71	54.54
23 21 13 23-1914	EA	10" "Vic-Check" Check Valve, Grooved	3,911.03	73.87
23 21 13 23-1915	EA	12" "Vic-Check" Check Valve, Grooved	4,631.74	85.29
23 21 13 23-1916		Grooved Plug Valves With Lever Operator *(23 21 13 23-1872)* Note: Victaulic No. 377		
23 21 13 23-1917	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	389.05	18.15
23 21 13 23-1918	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	433.96	23.86
23 21 13 23-1919	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	772.68	39.20
23 21 13 23-1920		Grooved Plug Valve With Gear Operator *(23 21 13 23-1872)* Note: Victaulic No. 377		
23 21 13 23-1921	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	680.93	18.15
23 21 13 23-1922	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	725.88	23.86
23 21 13 23-1923	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	1,064.59	39.20
23 21 13 23-1924	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	1,425.31	54.54
23 21 13 23-1925	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	2,229.61	73.87
23 21 13 23-1926	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	3,214.28	85.29

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1927		**Prepare Pipe For Groove** *(23 21 13 23-1347)*		
23 21 13 23-1928		**Cut Grooved Pipe** *(23 21 13 23-1927)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1929	EA	Cut 3/4" Groove	8.93	
23 21 13 23-1930	EA	Cut 1" Groove	9.69	
23 21 13 23-1931	EA	Cut 1-1/4" Groove	10.94	
23 21 13 23-1932	EA	Cut 1-1/2" Groove	11.91	
23 21 13 23-1933	EA	Cut 2" Groove	13.04	
23 21 13 23-1934	EA	Cut 2-1/2" Groove	14.13	
23 21 13 23-1935	EA	Cut 3" Groove	15.42	
23 21 13 23-1936	EA	Cut 3-1/2" Groove	16.34	
23 21 13 23-1937	EA	Cut 4" Groove	17.39	
23 21 13 23-1938	EA	Cut 5" Groove	18.84	
23 21 13 23-1939	EA	Cut 6" Groove	19.38	
23 21 13 23-1940	EA	Cut 8" Groove	25.13	
23 21 13 23-1941	EA	Cut 10" Groove	35.71	
23 21 13 23-1942	EA	Cut 12" Groove	45.23	
23 21 13 23-1943	EA	Cut 14" Groove	67.84	
23 21 13 23-1944	EA	Cut 16" Groove	71.41	
23 21 13 23-1945	EA	Cut 18" Groove	75.38	
23 21 13 23-1946	EA	Cut 20" Groove	79.81	
23 21 13 23-1947	EA	Cut 24" Groove	90.45	
23 21 13 23-1948		**Roll Grooved Pipe** *(23 21 13 23-1927)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1949	EA	Roll 3/4" Groove	5.10	
23 21 13 23-1950	EA	Roll 1" Groove	5.95	
23 21 13 23-1951	EA	Roll 1-1/4" Groove	6.78	
23 21 13 23-1952	EA	Roll 1-1/2" Groove	7.62	
23 21 13 23-1953	EA	Roll 2" Groove	11.69	
23 21 13 23-1954	EA	Roll 2-1/2" Groove	12.34	
23 21 13 23-1955	EA	Roll 3" Groove	13.57	
23 21 13 23-1956	EA	Roll 3-1/2" Groove	14.43	
23 21 13 23-1957	EA	Roll 4" Groove	15.78	
23 21 13 23-1958	EA	Roll 5" Groove	16.15	
23 21 13 23-1959	EA	Roll 6" Groove	16.96	
23 21 13 23-1960	EA	Roll 8" Groove	20.56	
23 21 13 23-1961	EA	Roll 10" Groove	23.39	
23 21 13 23-1962	EA	Roll 12" Groove	29.50	
23 21 13 23-1963	EA	Roll 14" Groove	45.23	
23 21 13 23-1964	EA	Roll 16" Groove	48.46	
23 21 13 23-1965	EA	Roll 18" Groove	50.25	
23 21 13 23-1966	EA	Roll 20" Groove	54.27	
23 21 13 23-1967	EA	Roll 24" Groove	58.99	
23 21 13 23-1968		**Standard Gaskets** *(23 21 13 23-1927)* Note: For use on replacement of existing gaskets.		
23 21 13 23-1969	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	50.56	
23 21 13 23-1970	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	51.27	
23 21 13 23-1971	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.08	
23 21 13 23-1972	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	57.90	
23 21 13 23-1973	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	58.42	
23 21 13 23-1974	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	70.03	
23 21 13 23-1975	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	76.38	
23 21 13 23-1976	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	96.16	
23 21 13 23-1977	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	96.57	
23 21 13 23-1978	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	123.97	
23 21 13 23-1979	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	133.74	
23 21 13 23-1980	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	183.55	
23 21 13 23-1981	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	233.53	
23 21 13 23-1982	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	272.78	
23 21 13 23-1983	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	378.46	
23 21 13 23-1984	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	517.49	
23 21 13 23-1985	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	620.83	
23 21 13 23-1986	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	943.24	
23 21 13 23-1987	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	1,304.42	
23 21 13 23-1988		**Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-1989		**Grooved Fittings** *(23 21 13 23-1988)*		
23 21 13 23-1990		**Grooved 90 Degree Elbows** *(23 21 13 23-1989)*		
23 21 13 23-1991	EA	2" Copper 90 Degree Elbow, Grooved	55.36	13.89
23 21 13 23-1992	EA	2-1/2" Copper 90 Degree Elbow, Grooved	63.69	16.96
23 21 13 23-1993	EA	3" Copper 90 Degree Elbow, Grooved	82.81	20.53

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1994	EA	4" Copper 90 Degree Elbow, Grooved	149.99	27.09
23 21 13 23-1995	EA	5" Copper 90 Degree Elbow, Grooved	339.15	33.92
23 21 13 23-1996	EA	6" Copper 90 Degree Elbow, Grooved	521.73	44.39
23 21 13 23-1997	EA	8" Copper 90 Degree Elbow, Grooved	918.48	52.83
23 21 13 23-1998		Grooved 45 Degree Elbows *(23 21 13 23-1989)*		
23 21 13 23-1999	EA	2" Copper 45 Degree Elbow, Grooved	55.36	13.89
23 21 13 23-2000	EA	2-1/2" Copper 45 Degree Elbow, Grooved	63.69	16.96
23 21 13 23-2001	EA	3" Copper 45 Degree Elbow, Grooved	82.81	20.53
23 21 13 23-2002	EA	4" Copper 45 Degree Elbow, Grooved	149.99	27.09
23 21 13 23-2003	EA	5" Copper 45 Degree Elbow, Grooved	339.15	33.92
23 21 13 23-2004	EA	6" Copper 45 Degree Elbow, Grooved	521.73	44.39
23 21 13 23-2005	EA	8" Copper 45 Degree Elbow, Grooved	918.48	52.83
23 21 13 23-2006		Grooved Tees *(23 21 13 23-1989)*		
23 21 13 23-2007	EA	2" Copper Tee, Grooved	86.05	20.45
23 21 13 23-2008	EA	2-1/2" Copper Tee, Grooved	98.11	25.14
23 21 13 23-2009	EA	3" Copper Tee, Grooved	132.89	30.85
23 21 13 23-2010	EA	4" Copper Tee, Grooved	235.94	39.87
23 21 13 23-2011	EA	5" Copper Tee, Grooved	791.43	52.15
23 21 13 23-2012	EA	6" Copper Tee, Grooved	670.28	65.26
23 21 13 23-2013	EA	8" Copper Tee, Grooved	1,122.30	79.24
23 21 13 23-2014		Grooved Reducing Tees *(23 21 13 23-1989)*		
23 21 13 23-2015	EA	2-1/2" Copper Tee, Reducing, Grooved	121.59	25.14
23 21 13 23-2016	EA	3" Copper Tee, Reducing, Grooved	182.76	30.85
23 21 13 23-2017	EA	4" Copper Tee, Reducing, Grooved	284.93	39.96
23 21 13 23-2018	EA	5" Copper Tee, Reducing, Grooved	730.41	52.23
23 21 13 23-2019	EA	6" Copper Tee, Reducing, Grooved	894.87	65.26
23 21 13 23-2020		Grooved X Cup Reducing Tees *(23 21 13 23-1989)*		
23 21 13 23-2021	EA	2" Copper Tee, Reducing, Grooved X Cup	98.61	20.45
23 21 13 23-2022	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	121.85	25.14
23 21 13 23-2023	EA	3" Copper Tee, Reducing, Grooved X Cup	194.06	30.85
23 21 13 23-2024	EA	4" Copper Tee, Reducing, Grooved X Cup	284.93	39.87
23 21 13 23-2025		Grooved Flanged Adapter Nipples *(23 21 13 23-1989)*		
23 21 13 23-2026	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	148.94	15.09
23 21 13 23-2027	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	160.25	18.32
23 21 13 23-2028	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	173.24	21.90
23 21 13 23-2029	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	200.92	29.48
23 21 13 23-2030	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	262.20	35.70
23 21 13 23-2031	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	304.08	48.23
23 21 13 23-2032		Grooved Concentric Reducers *(23 21 13 23-1989)*		
23 21 13 23-2033	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	70.54	15.51
23 21 13 23-2034	EA	3" x 2" Copper Concentric Reducer, Grooved	73.95	17.30
23 21 13 23-2035	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	80.55	20.53
23 21 13 23-2036	EA	4" x 2" Copper Concentric Reducer, Grooved	121.98	20.70
23 21 13 23-2037	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	124.96	22.15
23 21 13 23-2038	EA	4" x 3" Copper Concentric Reducer, Grooved	128.37	23.86
23 21 13 23-2039	EA	5" x 3" Copper Concentric Reducer, Grooved	281.39	27.26
23 21 13 23-2040	EA	5" x 4" Copper Concentric Reducer, Grooved	288.20	30.67
23 21 13 23-2041	EA	6" x 3" Copper Concentric Reducer, Grooved	310.33	32.38
23 21 13 23-2042	EA	6" x 4" Copper Concentric Reducer, Grooved	317.14	35.79
23 21 13 23-2043	EA	6" x 5" Copper Concentric Reducer, Grooved	323.97	39.20
23 21 13 23-2044	EA	8" x 6" Copper Concentric Reducer, Grooved	528.11	48.57
23 21 13 23-2045		Grooved X Cup Concentric Reducers *(23 21 13 23-1989)*		
23 21 13 23-2046	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	54.39	10.91
23 21 13 23-2047	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	55.24	11.33
23 21 13 23-2048	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	57.85	12.61
23 21 13 23-2049	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	64.29	12.19
23 21 13 23-2050	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	65.14	12.61
23 21 13 23-2051	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	67.64	13.89
23 21 13 23-2052	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	71.05	15.51
23 21 13 23-2053	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	80.71	15.51
23 21 13 23-2054	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	84.12	17.30
23 21 13 23-2055	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	133.41	20.62
23 21 13 23-2056		Grooved Standard Couplings *(23 21 13 23-1989)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2057	EA	2" Copper Standard Coupling, Grooved	23.40	6.98
23 21 13 23-2058	EA	2-1/2" Copper Standard Coupling, Grooved	27.83	8.52
23 21 13 23-2059	EA	3" Copper Standard Coupling, Grooved	32.22	10.14
23 21 13 23-2060	EA	4" Copper Standard Coupling, Grooved	45.44	13.64
23 21 13 23-2061	EA	5" Copper Standard Coupling, Grooved	65.07	16.96
23 21 13 23-2062	EA	6" Copper Standard Coupling, Grooved	85.53	22.15
23 21 13 23-2063	EA	8" Copper Standard Coupling, Grooved	116.90	26.42

23 21 13 23-2064 Grooved Caps *(23 21 13 23-1989)*

23 21 13 23-2065	EA	2" Copper Cap, Grooved	32.88	6.98
23 21 13 23-2066	EA	2-1/2" Copper Cap, Grooved	45.10	8.52
23 21 13 23-2067	EA	3" Copper Cap, Grooved	55.17	10.14
23 21 13 23-2068	EA	4" Copper Cap, Grooved	79.51	13.55
23 21 13 23-2069	EA	5" Copper Cap, Grooved	126.79	16.96
23 21 13 23-2070	EA	6" Copper Cap, Grooved	151.27	22.15

23 21 13 23-2071 Grooved Valves *(23 21 13 23-1988)*

23 21 13 23-2072 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2071)*

Note: Copper body.

23 21 13 23-2073	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	410.64	9.12
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2074	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	466.55	13.55
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2075	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	616.75	17.81
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2076	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	822.13	29.23
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2077	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	904.90	41.07
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2078 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2071)*

Note: Copper body.

23 21 13 23-2079	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	501.98	9.12
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2080	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	557.96	13.55
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2081	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	708.16	17.81
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2082	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	913.59	29.23
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2083	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	996.31	41.07
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2084 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2085 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2084)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2086 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2085)*

23 21 13 23-2087	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.98	2.44
		For Work In Restricted Working Space, Add	*1.10*	
23 21 13 23-2088	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.00	3.04
		For Work In Restricted Working Space, Add	*1.37*	
23 21 13 23-2089	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.49	3.25
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2090	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.05	3.49
		For Work In Restricted Working Space, Add	*1.57*	
23 21 13 23-2091	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.25	3.55
		For Work In Restricted Working Space, Add	*1.60*	
23 21 13 23-2092	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.64	4.25
		For Work In Restricted Working Space, Add	*1.91*	
23 21 13 23-2093	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.58	5.05
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-2094	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	11.75	6.11
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-2095	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	17.48	9.16
		For Work In Restricted Working Space, Add	*4.13*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2096		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	24.84	12.22
			For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2097		LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	31.74	14.56
			For Work In Restricted Working Space, Add	*6.56*	
23 21 13 23-2098		LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	54.66	16.26
			For Work In Restricted Working Space, Add	*7.31*	

23 21 13 23-2099 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2085)*

23 21 13 23-2100		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	14.03	9.20
			For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-2101		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	18.72	12.19
			For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2102		EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	23.41	15.17
			For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2103		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	33.42	21.48
			For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2104		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	37.61	24.19
			For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2105		EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	48.17	30.76
			For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2106		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	74.61	45.50
			For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2107		EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	97.44	59.82
			For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2108		EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	120.35	71.06
			For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2109		EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	154.87	81.21
			For Work In Restricted Working Space, Add	*36.52*	
23 21 13 23-2110		EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	227.36	94.75
			For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2111		EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	339.65	141.28
			For Work In Restricted Working Space, Add	*63.52*	

23 21 13 23-2112 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2085)*

23 21 13 23-2113		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	14.16	9.20
			For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-2114		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	18.99	12.19
			For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2115		EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.80	15.17
			For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2116		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.67	21.48
			For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2117		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	38.16	24.19
			For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2118		EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	48.53	30.76
			For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2119		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	74.61	45.50
			For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2120		EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	99.76	59.82
			For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2121		EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	124.57	71.06
			For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2122		EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	155.26	81.21
			For Work In Restricted Working Space, Add	*36.52*	
23 21 13 23-2123		EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	222.70	94.75
			For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2124		EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	339.65	141.28
			For Work In Restricted Working Space, Add	*63.52*	

23 21 13 23-2125 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2085)*

23 21 13 23-2126		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	23.05	15.17
			For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2127		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	27.84	18.32
			For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-2128		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	36.95	24.19
			For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2129		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	47.15	30.76
			For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2130		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	56.32	36.64
			For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-2131		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	70.12	45.50
			For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2132		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	96.20	59.82
			For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2133		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	115.03	71.06
			For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2134		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	157.45	94.75
			For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2135		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	235.31	122.18
			For Work In Restricted Working Space, Add	*54.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2136	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	348.00	151.58
		For Work In Restricted Working Space, Add	*68.16*	
23 21 13 23-2137	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	812.23	226.48
		For Work In Restricted Working Space, Add	*101.87*	

23 21 13 23-2138 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2085)*

23 21 13 23-2139	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	28.92	18.92
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-2140	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	34.92	22.93
		For Work In Restricted Working Space, Add	*10.31*	
23 21 13 23-2141	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	46.40	30.25
		For Work In Restricted Working Space, Add	*13.60*	
23 21 13 23-2142	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	59.31	38.42
		For Work In Restricted Working Space, Add	*17.27*	
23 21 13 23-2143	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	70.84	45.84
		For Work In Restricted Working Space, Add	*20.62*	
23 21 13 23-2144	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	88.28	56.83
		For Work In Restricted Working Space, Add	*25.56*	
23 21 13 23-2145	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	122.31	74.81
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-2146	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	146.49	88.78
		For Work In Restricted Working Space, Add	*39.94*	
23 21 13 23-2147	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	201.73	118.43
		For Work In Restricted Working Space, Add	*53.26*	
23 21 13 23-2148	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	310.57	152.69
		For Work In Restricted Working Space, Add	*68.69*	
23 21 13 23-2149	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	473.22	189.33
		For Work In Restricted Working Space, Add	*85.16*	
23 21 13 23-2150	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,165.61	283.23
		For Work In Restricted Working Space, Add	*127.40*	

23 21 13 23-2151 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2085)*

23 21 13 23-2152	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	18.58	12.19
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2153	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	23.24	15.17
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2154	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	32.84	21.48
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2155	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	36.98	24.19
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2156	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	47.26	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2157	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	70.09	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2158	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	92.59	59.82
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2159	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	113.04	71.06
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2160	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	137.96	81.21
		For Work In Restricted Working Space, Add	*36.52*	
23 21 13 23-2161	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	235.40	94.75
		For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2162	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	268.66	110.00
		For Work In Restricted Working Space, Add	*49.49*	

23 21 13 23-2163 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2085)*

23 21 13 23-2164	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	14.33	9.20
		For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-2165	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.91	12.19
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2166	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	23.44	15.17
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2167	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	33.25	21.48
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2168	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.53	24.19
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2169	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	47.79	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2170	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	70.67	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2171	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	92.59	59.82
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2172	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	113.04	71.06
		For Work In Restricted Working Space, Add	*31.95*	

23 21 13 23-2173 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2085)*

23 21 13 23-2174	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	14.52	9.20
		For Work In Restricted Working Space, Add	*4.13*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2175	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		19.10	12.19
		For Work In Restricted Working Space, Add		*5.50*	
23 21 13 23-2176	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		23.82	15.17
		For Work In Restricted Working Space, Add		*6.82*	
23 21 13 23-2177	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		33.47	21.48
		For Work In Restricted Working Space, Add		*9.65*	
23 21 13 23-2178	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		38.03	24.19
		For Work In Restricted Working Space, Add		*10.88*	
23 21 13 23-2179	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		48.23	30.76
		For Work In Restricted Working Space, Add		*13.82*	
23 21 13 23-2180	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		71.17	45.50
		For Work In Restricted Working Space, Add		*20.45*	
23 21 13 23-2181	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		94.10	59.82
		For Work In Restricted Working Space, Add		*26.91*	
23 21 13 23-2182	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters		112.16	71.06
		For Work In Restricted Working Space, Add		*31.95*	

23 21 13 23-2183 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2085)*

23 21 13 23-2184	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		14.03	9.20
		For Work In Restricted Working Space, Add		*4.13*	
23 21 13 23-2185	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		18.69	12.19
		For Work In Restricted Working Space, Add		*5.50*	
23 21 13 23-2186	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		23.13	15.17
		For Work In Restricted Working Space, Add		*6.82*	
23 21 13 23-2187	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		32.81	21.48
		For Work In Restricted Working Space, Add		*9.65*	
23 21 13 23-2188	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		37.03	24.19
		For Work In Restricted Working Space, Add		*10.88*	
23 21 13 23-2189	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		47.10	30.76
		For Work In Restricted Working Space, Add		*13.82*	
23 21 13 23-2190	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		72.71	45.50
		For Work In Restricted Working Space, Add		*20.45*	
23 21 13 23-2191	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		95.81	59.82
		For Work In Restricted Working Space, Add		*26.91*	
23 21 13 23-2192	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters		116.63	71.06
		For Work In Restricted Working Space, Add		*31.95*	

23 21 13 23-2193 Schedule 40 Polyvinyl Chloride (PVC) P-Traps *(23 21 13 23-2085)*

23 21 13 23-2194	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps		20.76	12.53
		For Work In Restricted Working Space, Add		*5.63*	

23 21 13 23-2195 Schedule 40 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2085)*

23 21 13 23-2196	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings		13.92	9.20
		For Work In Restricted Working Space, Add		*4.13*	
23 21 13 23-2197	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings		18.55	12.19
		For Work In Restricted Working Space, Add		*5.50*	
23 21 13 23-2198	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings		23.13	15.17
		For Work In Restricted Working Space, Add		*6.82*	
23 21 13 23-2199	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings		32.70	21.48
		For Work In Restricted Working Space, Add		*9.65*	
23 21 13 23-2200	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings		36.87	24.19
		For Work In Restricted Working Space, Add		*10.88*	
23 21 13 23-2201	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings		46.99	30.76
		For Work In Restricted Working Space, Add		*13.82*	
23 21 13 23-2202	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings		70.26	45.50
		For Work In Restricted Working Space, Add		*20.45*	
23 21 13 23-2203	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings		92.97	59.82
		For Work In Restricted Working Space, Add		*26.91*	
23 21 13 23-2204	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings		111.28	71.06
		For Work In Restricted Working Space, Add		*31.95*	
23 21 13 23-2205	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings		136.83	81.21
		For Work In Restricted Working Space, Add		*36.52*	
23 21 13 23-2206	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings		170.25	94.75
		For Work In Restricted Working Space, Add		*42.60*	
23 21 13 23-2207	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings		281.83	101.56
		For Work In Restricted Working Space, Add		*45.67*	

23 21 13 23-2208 Schedule 40 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2085)*

23 21 13 23-2209	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions		24.18	15.17
		For Work In Restricted Working Space, Add		*6.82*	
23 21 13 23-2210	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions		32.14	18.32
		For Work In Restricted Working Space, Add		*8.24*	
23 21 13 23-2211	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions		41.47	24.19
		For Work In Restricted Working Space, Add		*10.88*	
23 21 13 23-2212	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions		58.74	30.76
		For Work In Restricted Working Space, Add		*13.82*	
23 21 13 23-2213	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions		68.21	36.64
		For Work In Restricted Working Space, Add		*16.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2214	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	86.00	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2215	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	122.07	59.82
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2216	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	140.82	71.06
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2217	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	210.04	94.75
		For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2218	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	274.36	122.18
		For Work In Restricted Working Space, Add	*54.95*	
23 21 13 23-2219	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	377.55	151.49
		For Work In Restricted Working Space, Add	*68.13*	
23 21 13 23-2220	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	529.99	188.05
		For Work In Restricted Working Space, Add	*84.60*	

23 21 13 23-2221 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2085)*

23 21 13 23-2222	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	14.13	9.31
		For Work In Restricted Working Space, Add	*4.17*	
23 21 13 23-2223	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	18.61	12.19
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2224	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	23.16	15.17
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2225	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	33.14	21.73
		For Work In Restricted Working Space, Add	*9.76*	
23 21 13 23-2226	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	36.92	24.19
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2227	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	46.85	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2228	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	70.78	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2229	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	92.53	59.82
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2230	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	113.02	71.06
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2231	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	137.30	81.21
		For Work In Restricted Working Space, Add	*36.52*	
23 21 13 23-2232	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	194.13	94.75
		For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2233	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	345.07	101.56
		For Work In Restricted Working Space, Add	*45.67*	

23 21 13 23-2234 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2085)*

23 21 13 23-2235	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	28.26	15.17
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2236	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	35.97	18.32
		For Work In Restricted Working Space, Add	*8.24*	
23 21 13 23-2237	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	45.72	24.19
		For Work In Restricted Working Space, Add	*10.88*	
23 21 13 23-2238	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	55.78	30.76
		For Work In Restricted Working Space, Add	*13.82*	
23 21 13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	64.93	36.64
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	81.40	45.50
		For Work In Restricted Working Space, Add	*20.45*	
23 21 13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	110.12	59.82
		For Work In Restricted Working Space, Add	*26.91*	
23 21 13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	129.07	71.06
		For Work In Restricted Working Space, Add	*31.95*	
23 21 13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	170.58	94.75
		For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	228.08	122.18
		For Work In Restricted Working Space, Add	*54.95*	
23 21 13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	328.44	151.49
		For Work In Restricted Working Space, Add	*68.13*	
23 21 13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	509.97	187.79
		For Work In Restricted Working Space, Add	*84.47*	

23 21 13 23-2247 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2084)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2248 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2247)*

23 21 13 23-2249	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.08	2.48
		For Work In Restricted Working Space, Add	*1.10*	
23 21 13 23-2250	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.12	3.07
		For Work In Restricted Working Space, Add	*1.37*	
23 21 13 23-2251	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.28	3.66
		For Work In Restricted Working Space, Add	*1.64*	
23 21 13 23-2252	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.50	4.26
		For Work In Restricted Working Space, Add	*1.92*	
23 21 13 23-2253	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.63	4.86
		For Work In Restricted Working Space, Add	*2.20*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2254	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.06	6.14
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-2255	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.91	6.73
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-2256	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	14.75	7.33
		For Work In Restricted Working Space, Add	*3.30*	
23 21 13 23-2257	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	19.27	9.20
		For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-2258	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	28.81	12.19
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2259	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	37.82	14.57
		For Work In Restricted Working Space, Add	*6.56*	
23 21 13 23-2260	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	72.74	15.68
		For Work In Restricted Working Space, Add	*7.06*	

23 21 13 23-2261 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2247)*

23 21 13 23-2262	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	14.74	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2263	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.63	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2264	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.82	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2265	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.94	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2266	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	39.24	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2267	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.66	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2268	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	76.63	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2269	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	99.20	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2270	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	120.96	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2271	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	173.93	81.21
		For Work In Restricted Working Space, Add	*36.52*	
		For Threaded Fittings, Add	*18.26*	
23 21 13 23-2272	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	255.49	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2273	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	366.02	158.83
		For Work In Restricted Working Space, Add	*71.43*	
		For Threaded Fittings, Add	*35.72*	

23 21 13 23-2274 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2247)*

23 21 13 23-2275	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	15.65	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2276	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.23	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2277	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.08	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2278	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	37.72	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2279	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	42.82	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2280	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	54.57	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2281	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	86.09	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2282	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	111.51	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2283	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	145.81	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2284	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	171.20	81.21
		For Work In Restricted Working Space, Add	*36.52*	
		For Threaded Fittings, Add	*18.26*	
23 21 13 23-2285	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	249.30	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2286	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	359.05	158.83
		For Work In Restricted Working Space, Add	*71.43*	
		For Threaded Fittings, Add	*35.72*	

23 21 13 23-2287 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2247)*

23 21 13 23-2288	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	24.41	14.40
		For Work In Restricted Working Space, Add	*6.47*	
		For Threaded Fittings, Add	*3.24*	
23 21 13 23-2289	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	30.46	18.32
		For Work In Restricted Working Space, Add	*8.24*	
		For Threaded Fittings, Add	*4.12*	
23 21 13 23-2290	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	39.98	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2291	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	56.34	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2292	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	65.26	36.64
		For Work In Restricted Working Space, Add	*16.49*	
		For Threaded Fittings, Add	*8.25*	
23 21 13 23-2293	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	81.04	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2294	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	103.70	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2295	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	124.00	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2296	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	162.28	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2297	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	252.49	122.18
		For Work In Restricted Working Space, Add	*54.97*	
		For Threaded Fittings, Add	*27.49*	
23 21 13 23-2298	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	387.83	151.58
		For Work In Restricted Working Space, Add	*68.16*	
		For Threaded Fittings, Add	*34.08*	
23 21 13 23-2299	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	812.26	226.48
		For Work In Restricted Working Space, Add	*101.87*	
		For Threaded Fittings, Add	*50.94*	

23 21 13 23-2300 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2247)*

23 21 13 23-2301	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	31.41	17.97
		For Work In Restricted Working Space, Add	*8.09*	
		For Threaded Fittings, Add	*4.04*	
23 21 13 23-2302	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	39.03	22.93
		For Work In Restricted Working Space, Add	*10.31*	
		For Threaded Fittings, Add	*5.15*	
23 21 13 23-2303	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	51.16	30.25
		For Work In Restricted Working Space, Add	*13.60*	
		For Threaded Fittings, Add	*6.80*	
23 21 13 23-2304	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	73.71	38.42
		For Work In Restricted Working Space, Add	*17.27*	
		For Threaded Fittings, Add	*8.64*	
23 21 13 23-2305	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	84.85	45.84
		For Work In Restricted Working Space, Add	*20.62*	
		For Threaded Fittings, Add	*10.31*	
23 21 13 23-2306	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	105.40	56.83
		For Work In Restricted Working Space, Add	*25.56*	
		For Threaded Fittings, Add	*12.78*	
23 21 13 23-2307	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	134.07	74.81
		For Work In Restricted Working Space, Add	*33.63*	
		For Threaded Fittings, Add	*16.82*	
23 21 13 23-2308	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	160.54	88.78
		For Work In Restricted Working Space, Add	*39.94*	
		For Threaded Fittings, Add	*19.97*	
23 21 13 23-2309	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	209.30	118.43
		For Work In Restricted Working Space, Add	*53.26*	
		For Threaded Fittings, Add	*26.63*	
23 21 13 23-2310	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	337.51	152.69
		For Work In Restricted Working Space, Add	*68.69*	
		For Threaded Fittings, Add	*34.34*	
23 21 13 23-2311	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	535.67	189.33
		For Work In Restricted Working Space, Add	*85.16*	
		For Threaded Fittings, Add	*42.58*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2312	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,165.66	283.23
		For Work In Restricted Working Space, Add	*127.40*	
		For Threaded Fittings, Add	*63.70*	

23 21 13 23-2313 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2247)*

23 21 13 23-2314	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	18.91	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2315	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	24.40	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2316	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	34.80	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2317	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	39.87	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2318	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	51.21	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2319	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	77.10	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2320	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	103.89	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2321	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	126.20	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2322	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	143.56	81.21
		For Work In Restricted Working Space, Add	*36.52*	
		For Threaded Fittings, Add	*18.26*	
23 21 13 23-2323	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	190.49	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2324	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	268.67	110.00
		For Work In Restricted Working Space, Add	*49.49*	
		For Threaded Fittings, Add	*24.75*	

23 21 13 23-2325 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2247)*

23 21 13 23-2326	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	13.94	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2327	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.41	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2328	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	24.40	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2329	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.57	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2330	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	40.56	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2331	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	51.32	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2332	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	79.30	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2333	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	110.32	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2334	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	138.22	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	

23 21 13 23-2335 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2247)*

23 21 13 23-2336	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	16.09	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2337	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	20.92	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2338	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	27.24	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2339	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	37.45	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2340	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	43.87	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2341	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	55.98	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2342	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	79.47	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2343	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	102.24	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2344	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	128.82	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	

23 21 13 23-2345 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2247)*

23 21 13 23-2346	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	15.46	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2347	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.87	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2348	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	26.47	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2349	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	38.24	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2350	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	43.73	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2351	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	59.07	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2352	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	88.73	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2353	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	112.85	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2354	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	146.33	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	

23 21 13 23-2355 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2247)*

23 21 13 23-2356	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	15.57	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2357	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	20.78	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2358	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.26	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2359	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	36.04	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2360	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	40.45	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2361	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	50.52	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2362	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	79.22	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2363	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	102.40	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2364	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	122.45	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2365	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	156.00	81.21
		For Work In Restricted Working Space, Add	*36.52*	
		For Threaded Fittings, Add	*18.26*	
23 21 13 23-2366	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	188.67	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2367	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	290.11	101.56
		For Work In Restricted Working Space, Add	*45.67*	
		For Threaded Fittings, Add	*22.83*	
23 21 13 23-2368		**Schedule 80 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2247)*		
23 21 13 23-2369	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	26.80	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2370	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	32.20	18.32
		For Work In Restricted Working Space, Add	*8.24*	
		For Threaded Fittings, Add	*4.12*	
23 21 13 23-2371	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	41.64	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2372	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	59.51	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2373	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	72.29	36.64
		For Work In Restricted Working Space, Add	*16.49*	
		For Threaded Fittings, Add	*8.25*	
23 21 13 23-2374	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	91.63	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2375	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	133.39	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2376	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	162.84	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2377	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	210.21	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2378	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	274.36	122.18
		For Work In Restricted Working Space, Add	*54.95*	
		For Threaded Fittings, Add	*27.47*	
23 21 13 23-2379	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	377.55	151.49
		For Work In Restricted Working Space, Add	*68.13*	
		For Threaded Fittings, Add	*34.06*	
23 21 13 23-2380	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	529.55	187.79
		For Work In Restricted Working Space, Add	*84.47*	
		For Threaded Fittings, Add	*42.23*	
23 21 13 23-2381		**Schedule 80 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2247)*		
23 21 13 23-2382	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.31	9.20
		For Work In Restricted Working Space, Add	*4.13*	
		For Threaded Fittings, Add	*2.06*	
23 21 13 23-2383	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	21.03	12.19
		For Work In Restricted Working Space, Add	*5.50*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2384	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	27.52	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2385	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	37.94	21.48
		For Work In Restricted Working Space, Add	*9.65*	
		For Threaded Fittings, Add	*4.82*	
23 21 13 23-2386	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	42.05	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2387	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	54.74	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2388	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	86.00	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2389	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	111.50	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2390	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	141.59	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2391	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	208.87	81.21
		For Work In Restricted Working Space, Add	*36.52*	
		For Threaded Fittings, Add	*18.26*	
23 21 13 23-2392	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	261.73	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2393	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	372.65	101.56
		For Work In Restricted Working Space, Add	*45.67*	
		For Threaded Fittings, Add	*22.83*	
23 21 13 23-2394		**Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges** *(23 21 13 23-2247)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2395	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	30.63	15.17
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2396	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	35.97	18.32
		For Work In Restricted Working Space, Add	*8.24*	
		For Threaded Fittings, Add	*4.12*	
23 21 13 23-2397	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	45.72	24.19
		For Work In Restricted Working Space, Add	*10.88*	
		For Threaded Fittings, Add	*5.44*	
23 21 13 23-2398	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	55.79	30.76
		For Work In Restricted Working Space, Add	*13.82*	
		For Threaded Fittings, Add	*6.91*	
23 21 13 23-2399	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	64.93	36.64
		For Work In Restricted Working Space, Add	*16.49*	
		For Threaded Fittings, Add	*8.25*	
23 21 13 23-2400	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	81.40	45.50
		For Work In Restricted Working Space, Add	*20.45*	
		For Threaded Fittings, Add	*10.22*	
23 21 13 23-2401	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	110.13	59.82
		For Work In Restricted Working Space, Add	*26.91*	
		For Threaded Fittings, Add	*13.45*	
23 21 13 23-2402	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	129.07	71.06
		For Work In Restricted Working Space, Add	*31.95*	
		For Threaded Fittings, Add	*15.98*	
23 21 13 23-2403	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	170.58	94.75
		For Work In Restricted Working Space, Add	*42.60*	
		For Threaded Fittings, Add	*21.30*	
23 21 13 23-2404	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	228.08	122.18
		For Work In Restricted Working Space, Add	*54.95*	
		For Threaded Fittings, Add	*27.47*	
23 21 13 23-2405	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	328.44	151.49
		For Work In Restricted Working Space, Add	*68.13*	
		For Threaded Fittings, Add	*34.06*	
23 21 13 23-2406	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	509.97	187.79
		For Work In Restricted Working Space, Add	*84.47*	
		For Threaded Fittings, Add	*42.23*	

23 21 13 23-2407 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2084)*

Note: In place pipe.

23 21 13 23-2408	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.63	
		For Work In Restricted Working Space, Add	*1.39*	
23 21 13 23-2409	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.00	
		For Work In Restricted Working Space, Add	*1.50*	
23 21 13 23-2410	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.62	
		For Work In Restricted Working Space, Add	*1.69*	
23 21 13 23-2411	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.91	
		For Work In Restricted Working Space, Add	*1.77*	
23 21 13 23-2412	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.25	
		For Work In Restricted Working Space, Add	*1.88*	
23 21 13 23-2413	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.87	
		For Work In Restricted Working Space, Add	*2.06*	
23 21 13 23-2414	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.40	
		For Work In Restricted Working Space, Add	*2.22*	
23 21 13 23-2415	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.75	
		For Work In Restricted Working Space, Add	*2.63*	
23 21 13 23-2416	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	11.80	
		For Work In Restricted Working Space, Add	*3.54*	
23 21 13 23-2417	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	16.87	
		For Work In Restricted Working Space, Add	*5.06*	
23 21 13 23-2418	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	22.49	
		For Work In Restricted Working Space, Add	*6.75*	
23 21 13 23-2419	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	27.49	
		For Work In Restricted Working Space, Add	*8.25*	

23 21 13 23-2420 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2421 Small Diameter Tubing *(23 21 13 23-2420)*

23 21 13 23-2422 Tubing *(23 21 13 23-2421)*

23 21 13 23-2423	LF	1/4" Polyethylene Tubing	2.63	
		For Work In Restricted Working Space, Add	*0.77*	
23 21 13 23-2424	LF	5/16" Polyethylene Tubing	2.72	
		For Work In Restricted Working Space, Add	*0.79*	
23 21 13 23-2425	LF	3/8" Polyethylene Tubing	2.80	
		For Work In Restricted Working Space, Add	*0.80*	
23 21 13 23-2426	LF	1/2" Polyethylene Tubing	2.99	
		For Work In Restricted Working Space, Add	*0.87*	

23 21 13 23-2427 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2428 Chrome Plated Nipples *(23 21 13 23-2427)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2429		**Close** *(23 21 13 23-2428)*		
23 21 13 23-2430	EA	1/4" Diameter Chrome Plated Nipple, Close	15.10	7.40
23 21 13 23-2431	EA	3/8" Diameter Chrome Plated Nipple, Close	14.90	8.06
23 21 13 23-2432	EA	1/2" Diameter Chrome Plated Nipple, Close	18.16	9.25
23 21 13 23-2433	EA	3/4" Diameter Chrome Plated Nipple, Close	23.63	11.76
23 21 13 23-2434	EA	1" Diameter Chrome Plated Nipple, Close	31.50	15.46
23 21 13 23-2435	EA	1-1/4" Diameter Chrome Plated Nipple, Close	44.50	21.57
23 21 13 23-2436	EA	1-1/2" Diameter Chrome Plated Nipple, Close	53.78	25.27
23 21 13 23-2437	EA	2" Diameter Chrome Plated Nipple, Close	68.76	31.48
23 21 13 23-2438		**1-1/2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2439	EA	1/4" Diameter Chrome Plated Nipple, 1-1/2" Length	16.02	7.69
23 21 13 23-2440	EA	3/8" Diameter Chrome Plated Nipple, 1-1/2" Length	15.66	8.33
23 21 13 23-2441	EA	1/2" Diameter Chrome Plated Nipple, 1-1/2" Length	18.65	9.54
23 21 13 23-2442	EA	3/4" Diameter Chrome Plated Nipple, 1-1/2" Length	24.40	12.03
23 21 13 23-2443		**2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2444	EA	1/4" Diameter Chrome Plated Nipple, 2" Length	16.67	8.06
23 21 13 23-2445	EA	3/8" Diameter Chrome Plated Nipple, 2" Length	16.20	8.61
23 21 13 23-2446	EA	1/2" Diameter Chrome Plated Nipple, 2" Length	19.87	9.91
23 21 13 23-2447	EA	3/4" Diameter Chrome Plated Nipple, 2" Length	25.48	12.31
23 21 13 23-2448	EA	1" Diameter Chrome Plated Nipple, 2" Length	33.18	16.01
23 21 13 23-2449	EA	1-1/4" Diameter Chrome Plated Nipple, 2" Length	47.06	22.21
23 21 13 23-2450	EA	1-1/2" Diameter Chrome Plated Nipple, 2" Length	56.70	25.92
23 21 13 23-2451		**2-1/2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2452	EA	1/4" Diameter Chrome Plated Nipple, 2-1/2" Length	17.55	8.33
23 21 13 23-2453	EA	3/8" Diameter Chrome Plated Nipple, 2-1/2" Length	16.81	8.98
23 21 13 23-2454	EA	1/2" Diameter Chrome Plated Nipple, 2-1/2" Length	20.69	10.18
23 21 13 23-2455	EA	3/4" Diameter Chrome Plated Nipple, 2-1/2" Length	26.10	12.69
23 21 13 23-2456	EA	1" Diameter Chrome Plated Nipple, 2-1/2" Length	34.06	16.39
23 21 13 23-2457	EA	1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length	49.38	22.49
23 21 13 23-2458	EA	1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length	59.76	26.20
23 21 13 23-2459	EA	2" Diameter Chrome Plated Nipple, 2-1/2" Length	75.55	32.40
23 21 13 23-2460		**3" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2461	EA	1/4" Diameter Chrome Plated Nipple, 3" Length	18.27	8.61
23 21 13 23-2462	EA	3/8" Diameter Chrome Plated Nipple, 3" Length	17.69	9.25
23 21 13 23-2463	EA	1/2" Diameter Chrome Plated Nipple, 3" Length	20.32	9.91
23 21 13 23-2464	EA	3/4" Diameter Chrome Plated Nipple, 3" Length	27.83	12.96
23 21 13 23-2465	EA	1" Diameter Chrome Plated Nipple, 3" Length	37.45	16.66
23 21 13 23-2466	EA	1-1/4" Diameter Chrome Plated Nipple, 3" Length	51.92	22.87
23 21 13 23-2467	EA	1-1/2" Diameter Chrome Plated Nipple, 3" Length	66.76	26.57
23 21 13 23-2468	EA	2" Diameter Chrome Plated Nipple, 3" Length	81.06	32.76
23 21 13 23-2469		**3-1/2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2470	EA	1/4" Diameter Chrome Plated Nipple, 3-1/2" Length	19.07	8.98
23 21 13 23-2471	EA	3/8" Diameter Chrome Plated Nipple, 3-1/2" Length	19.10	9.54
23 21 13 23-2472	EA	1/2" Diameter Chrome Plated Nipple, 3-1/2" Length	22.36	10.83
23 21 13 23-2473	EA	3/4" Diameter Chrome Plated Nipple, 3-1/2" Length	30.34	13.24
23 21 13 23-2474	EA	1" Diameter Chrome Plated Nipple, 3-1/2" Length	38.85	16.94
23 21 13 23-2475	EA	1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length	56.73	23.14
23 21 13 23-2476	EA	1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length	68.96	26.85
23 21 13 23-2477	EA	2" Diameter Chrome Plated Nipple, 3-1/2" Length	85.50	33.05
23 21 13 23-2478		**4" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2479	EA	1/4" Diameter Chrome Plated Nipple, 4" Length	19.84	9.25
23 21 13 23-2480	EA	3/8" Diameter Chrome Plated Nipple, 4" Length	19.60	9.91
23 21 13 23-2481	EA	1/2" Diameter Chrome Plated Nipple, 4" Length	22.38	10.46
23 21 13 23-2482	EA	3/4" Diameter Chrome Plated Nipple, 4" Length	31.41	13.61
23 21 13 23-2483	EA	1" Diameter Chrome Plated Nipple, 4" Length	40.18	17.31
23 21 13 23-2484	EA	1-1/4" Diameter Chrome Plated Nipple, 4" Length	60.45	23.42
23 21 13 23-2485	EA	1-1/2" Diameter Chrome Plated Nipple, 4" Length	73.34	27.12
23 21 13 23-2486	EA	2" Diameter Chrome Plated Nipple, 4" Length	90.86	33.33
23 21 13 23-2487		**4-1/2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2488	EA	1/4" Diameter Chrome Plated Nipple, 4-1/2" Length	20.56	9.54
23 21 13 23-2489	EA	3/8" Diameter Chrome Plated Nipple, 4-1/2" Length	21.03	10.18
23 21 13 23-2490	EA	1/2" Diameter Chrome Plated Nipple, 4-1/2" Length	24.49	11.39
23 21 13 23-2491	EA	3/4" Diameter Chrome Plated Nipple, 4-1/2" Length	32.62	13.88
23 21 13 23-2492	EA	1" Diameter Chrome Plated Nipple, 4-1/2" Length	44.46	17.58
23 21 13 23-2493	EA	1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length	64.01	23.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2494	EA	1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length	75.36	27.49
23 21 13 23-2495	EA	2" Diameter Chrome Plated Nipple, 4-1/2" Length	95.81	33.69
23 21 13 23-2496		**5" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2497	EA	1/4" Diameter Chrome Plated Nipple, 5" Length	22.65	9.91
23 21 13 23-2498	EA	3/8" Diameter Chrome Plated Nipple, 5" Length	21.97	10.46
23 21 13 23-2499	EA	1/2" Diameter Chrome Plated Nipple, 5" Length	25.33	11.76
23 21 13 23-2500	EA	3/4" Diameter Chrome Plated Nipple, 5" Length	33.79	14.16
23 21 13 23-2501	EA	1" Diameter Chrome Plated Nipple, 5" Length	47.11	17.87
23 21 13 23-2502	EA	1-1/4" Diameter Chrome Plated Nipple, 5" Length	67.27	24.06
23 21 13 23-2503	EA	1-1/2" Diameter Chrome Plated Nipple, 5" Length	79.75	27.77
23 21 13 23-2504	EA	2" Diameter Chrome Plated Nipple, 5" Length	99.05	33.97
23 21 13 23-2505		**5-1/2" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2506	EA	1/4" Diameter Chrome Plated Nipple, 5-1/2" Length	23.39	10.18
23 21 13 23-2507	EA	3/8" Diameter Chrome Plated Nipple, 5-1/2" Length	22.73	10.83
23 21 13 23-2508	EA	1/2" Diameter Chrome Plated Nipple, 5-1/2" Length	27.41	12.03
23 21 13 23-2509	EA	3/4" Diameter Chrome Plated Nipple, 5-1/2" Length	34.96	14.54
23 21 13 23-2510	EA	1" Diameter Chrome Plated Nipple, 5-1/2" Length	48.56	18.24
23 21 13 23-2511	EA	1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length	71.18	24.34
23 21 13 23-2512	EA	1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length	83.28	28.05
23 21 13 23-2513	EA	2" Diameter Chrome Plated Nipple, 5-1/2" Length	103.16	34.25
23 21 13 23-2514		**6" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2515	EA	1/4" Diameter Chrome Plated Nipple, 6" Length	24.23	10.46
23 21 13 23-2516	EA	3/8" Diameter Chrome Plated Nipple, 6" Length	23.23	11.11
23 21 13 23-2517	EA	1/2" Diameter Chrome Plated Nipple, 6" Length	28.20	12.31
23 21 13 23-2518	EA	3/4" Diameter Chrome Plated Nipple, 6" Length	35.94	14.81
23 21 13 23-2519	EA	1" Diameter Chrome Plated Nipple, 6" Length	52.72	18.51
23 21 13 23-2520	EA	1-1/4" Diameter Chrome Plated Nipple, 6" Length	73.62	24.72
23 21 13 23-2521	EA	1-1/2" Diameter Chrome Plated Nipple, 6" Length	88.63	28.42
23 21 13 23-2522	EA	2" Diameter Chrome Plated Nipple, 6" Length	106.92	34.63
23 21 13 23-2523		**8" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2524	EA	3/8" Diameter Chrome Plated Nipple, 8" Length	27.06	11.76
23 21 13 23-2525	EA	1/2" Diameter Chrome Plated Nipple, 8" Length	38.14	12.96
23 21 13 23-2526	EA	3/4" Diameter Chrome Plated Nipple, 8" Length	46.24	15.46
23 21 13 23-2527	EA	1" Diameter Chrome Plated Nipple, 8" Length	60.88	19.16
23 21 13 23-2528	EA	1-1/4" Diameter Chrome Plated Nipple, 8" Length	86.44	25.27
23 21 13 23-2529	EA	1-1/2" Diameter Chrome Plated Nipple, 8" Length	105.30	28.97
23 21 13 23-2530	EA	2" Diameter Chrome Plated Nipple, 8" Length	129.50	35.18
23 21 13 23-2531		**10" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2532	EA	3/8" Diameter Chrome Plated Nipple, 10" Length	30.46	11.76
23 21 13 23-2533	EA	1/2" Diameter Chrome Plated Nipple, 10" Length	42.42	12.96
23 21 13 23-2534	EA	3/4" Diameter Chrome Plated Nipple, 10" Length	51.20	15.46
23 21 13 23-2535	EA	1" Diameter Chrome Plated Nipple, 10" Length	68.38	19.16
23 21 13 23-2536	EA	1-1/4" Diameter Chrome Plated Nipple, 10" Length	102.49	25.27
23 21 13 23-2537	EA	1-1/2" Diameter Chrome Plated Nipple, 10" Length	117.53	28.97
23 21 13 23-2538	EA	2" Diameter Chrome Plated Nipple, 10" Length	149.05	35.18
23 21 13 23-2539		**12" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2540	EA	3/8" Diameter Chrome Plated Nipple, 12" Length	33.93	12.96
23 21 13 23-2541	EA	1/2" Diameter Chrome Plated Nipple, 12" Length	44.41	13.61
23 21 13 23-2542	EA	3/4" Diameter Chrome Plated Nipple, 12" Length	56.13	16.01
23 21 13 23-2543	EA	1" Diameter Chrome Plated Nipple, 12" Length	79.38	20.36
23 21 13 23-2544	EA	1-1/4" Diameter Chrome Plated Nipple, 12" Length	114.20	26.57
23 21 13 23-2545	EA	2" Diameter Chrome Plated Nipple, 12" Length	166.58	36.48
23 21 13 23-2546		**18" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2547	EA	3/8" Diameter Chrome Plated Nipple, 18" Length	42.03	13.61
23 21 13 23-2548		**24" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2549	EA	3/8" Diameter Chrome Plated Nipple, 24" Length	49.80	14.16
23 21 13 23-2550		**30" Nipples** *(23 21 13 23-2428)*		
23 21 13 23-2551	EA	3/8" Diameter Chrome Plated Nipple, 30" Length	54.84	14.81
23 21 13 23-2552		**36" Nipples** *(23 21 13 23-2428)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2553	EA	3/8" Diameter Chrome Plated Nipple, 36" Length	59.89	15.46
23 21 13 23-2554		**Chrome Plated Fittings** *(23 21 13 23-2427)*		
23 21 13 23-2555		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2554)*		
23 21 13 23-2556	EA	1/4" 90 Degree Elbow, Chrome Plated	18.67	8.61
23 21 13 23-2557	EA	3/8" 90 Degree Elbow, Chrome Plated	19.23	9.25
23 21 13 23-2558	EA	1/2" 90 Degree Elbow, Chrome Plated	21.42	9.91
23 21 13 23-2559	EA	3/4" 90 Degree Elbow, Chrome Plated	27.48	12.96
23 21 13 23-2560	EA	1" 90 Degree Elbow, Chrome Plated	36.93	16.66
23 21 13 23-2561	EA	1-1/4" 90 Degree Elbow, Chrome Plated	55.65	22.87
23 21 13 23-2562	EA	1-1/2" 90 Degree Elbow, Chrome Plated	66.49	26.57
23 21 13 23-2563	EA	2" 90 Degree Elbow, Chrome Plated	89.52	32.76
23 21 13 23-2564		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2554)*		
23 21 13 23-2565	EA	1/4" Street 90 Degree Elbow, Chrome Plated	21.07	8.61
23 21 13 23-2566	EA	3/8" Street 90 Degree Elbow, Chrome Plated	21.85	9.25
23 21 13 23-2567	EA	1/2" Street 90 Degree Elbow, Chrome Plated	23.24	9.91
23 21 13 23-2568	EA	3/4" Street 90 Degree Elbow, Chrome Plated	30.17	12.96
23 21 13 23-2569	EA	1" Street 90 Degree Elbow, Chrome Plated	41.90	16.66
23 21 13 23-2570	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	60.74	22.87
23 21 13 23-2571	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	73.63	26.57
23 21 13 23-2572	EA	2" Street 90 Degree Elbow, Chrome Plated	106.31	32.76
23 21 13 23-2573		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2554)*		
23 21 13 23-2574	EA	1/4" 45 Degree Elbow, Chrome Plated	19.20	8.61
23 21 13 23-2575	EA	3/8" 45 Degree Elbow, Chrome Plated	19.99	9.25
23 21 13 23-2576	EA	1/2" 45 Degree Elbow, Chrome Plated	21.96	9.91
23 21 13 23-2577	EA	3/4" 45 Degree Elbow, Chrome Plated	29.54	12.96
23 21 13 23-2578	EA	1" 45 Degree Elbow, Chrome Plated	39.23	16.66
23 21 13 23-2579	EA	1-1/4" 45 Degree Elbow, Chrome Plated	58.41	22.87
23 21 13 23-2580	EA	1-1/2" 45 Degree Elbow, Chrome Plated	70.19	26.57
23 21 13 23-2581	EA	2" 45 Degree Elbow, Chrome Plated	99.68	32.76
23 21 13 23-2582		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2554)*		
23 21 13 23-2583	EA	1/2" Street 45 Degree Elbow, Chrome Plated	25.25	9.91
23 21 13 23-2584		**Chrome Plated Couplings** *(23 21 13 23-2554)*		
23 21 13 23-2585	EA	1/4" Coupling, Chrome Plated	18.35	8.61
23 21 13 23-2586	EA	3/8" Coupling, Chrome Plated	19.27	9.25
23 21 13 23-2587	EA	1/2" Coupling, Chrome Plated	21.55	9.91
23 21 13 23-2588	EA	3/4" Coupling, Chrome Plated	27.54	12.96
23 21 13 23-2589	EA	1" Coupling, Chrome Plated	35.79	16.66
23 21 13 23-2590	EA	1-1/4" Coupling, Chrome Plated	51.51	22.87
23 21 13 23-2591	EA	1-1/2" Coupling, Chrome Plated	63.03	26.57
23 21 13 23-2592	EA	2" Coupling, Chrome Plated	85.29	32.76
23 21 13 23-2593		**Chrome Plated Unions** *(23 21 13 23-2554)*		
23 21 13 23-2594	EA	1/4" Union, Chrome Plated	27.82	9.91
23 21 13 23-2595	EA	3/8" Union, Chrome Plated	28.75	10.46
23 21 13 23-2596	EA	1/2" Union, Chrome Plated	34.37	11.76
23 21 13 23-2597	EA	3/4" Union, Chrome Plated	42.99	15.46
23 21 13 23-2598	EA	1" Union, Chrome Plated	54.46	19.72
23 21 13 23-2599	EA	1-1/4" Union, Chrome Plated	86.07	26.57
23 21 13 23-2600	EA	1-1/2" Union, Chrome Plated	106.52	31.48
23 21 13 23-2601	EA	2" Union, Chrome Plated	137.84	38.33
23 21 13 23-2602		**Chrome Plated Caps** *(23 21 13 23-2554)*		
23 21 13 23-2603	EA	1/4" Cap, Chrome Plated	11.73	4.35
23 21 13 23-2604	EA	3/8" Cap, Chrome Plated	12.19	4.63
23 21 13 23-2605	EA	1/2" Cap, Chrome Plated	13.78	4.91
23 21 13 23-2606	EA	3/4" Cap, Chrome Plated	17.33	6.48
23 21 13 23-2607	EA	1" Cap, Chrome Plated	20.84	8.33
23 21 13 23-2608	EA	1-1/4" Cap, Chrome Plated	30.41	11.39
23 21 13 23-2609	EA	1-1/2" Cap, Chrome Plated	39.34	13.24
23 21 13 23-2610	EA	2" Cap, Chrome Plated	56.67	17.31
23 21 13 23-2611		**Chrome Plated Plugs** *(23 21 13 23-2554)*		
23 21 13 23-2612	EA	1/4" Plug, Chrome Plated	9.90	4.35
23 21 13 23-2613	EA	3/8" Plug, Chrome Plated	10.36	4.63
23 21 13 23-2614	EA	1/2" Plug, Chrome Plated	11.85	4.91
23 21 13 23-2615	EA	3/4" Plug, Chrome Plated	15.96	6.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2616	EA	1" Plug, Chrome Plated	19.80	8.33
23 21 13 23-2617	EA	1-1/4" Plug, Chrome Plated	26.81	11.39
23 21 13 23-2618	EA	1-1/2" Plug, Chrome Plated	32.75	13.24
23 21 13 23-2619	EA	2" Plug, Chrome Plated	45.19	17.31
23 21 13 23-2620		**Chrome Plated Tees** *(23 21 13 23-2554)*		
23 21 13 23-2621	EA	1/4" Tee, Chrome Plated	26.33	12.96
23 21 13 23-2622	EA	3/8" Tee, Chrome Plated	28.18	14.16
23 21 13 23-2623	EA	1/2" Tee, Chrome Plated	31.25	15.46
23 21 13 23-2624	EA	3/4" Tee, Chrome Plated	38.88	19.16
23 21 13 23-2625	EA	1" Tee, Chrome Plated	54.27	24.72
23 21 13 23-2626	EA	1-1/4" Tee, Chrome Plated	74.79	33.97
23 21 13 23-2627	EA	1-1/2" Tee, Chrome Plated	94.12	39.52
23 21 13 23-2628	EA	2" Tee, Chrome Plated	126.92	48.78
23 21 13 23-2629		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2554)*		
23 21 13 23-2630	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	30.03	15.46
23 21 13 23-2631	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	35.58	19.16
23 21 13 23-2632		**Chrome Plated Bell Reducers** *(23 21 13 23-2554)*		
23 21 13 23-2633	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	32.24	15.46
23 21 13 23-2634	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	39.38	19.16
23 21 13 23-2635	EA	1" x 1/2" Bell Reducer, Chrome Plated	50.20	24.72
23 21 13 23-2636		**Chrome Plated Reducing Tees** *(23 21 13 23-2554)*		
23 21 13 23-2637	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	42.19	19.16
23 21 13 23-2638		**Chrome Plated Bushings** *(23 21 13 23-2554)*		
23 21 13 23-2639	EA	3/8" x 1/4" Bushing, Chrome Plated	9.85	4.35
23 21 13 23-2640	EA	1/2" x 1/4" Bushing, Chrome Plated	10.60	4.63
23 21 13 23-2641	EA	1/2" x 3/8" Bushing, Chrome Plated	11.06	4.91
23 21 13 23-2642	EA	3/4" x 1/2" Bushing, Chrome Plated	14.15	6.48
23 21 13 23-2643	EA	1" x 3/4" Bushing, Chrome Plated	20.15	8.33
23 21 13 23-2644	EA	1-1/4" x 1" Bushing, Chrome Plated	29.18	11.39
23 21 13 23-2645		**Aluminum Tubing Assemblies** *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2646	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	7.80	3.24
23 21 13 23-2647	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.90	3.70
23 21 13 23-2648	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.92	4.16
23 21 13 23-2649	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	10.87	4.63
23 21 13 23-2650	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.04	5.09
23 21 13 23-2651	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.70	5.55
23 21 13 23-2652	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.98	6.39
23 21 13 23-2653	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.40	7.25
23 21 13 23-2654	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	22.35	8.09
23 21 13 23-2655	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	26.27	8.52
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		**Vent Valves** *(23 21 16)*		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	53.44	13.89
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	118.56	14.93
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	113.42	14.93
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	117.02	14.93

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	148.53	14.93
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	112.00	14.93
23 21 16 00-0008		Threaded Inlet, Drip-Pan Elbow *(23 21 16)*		
23 21 16 00-0009		Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	172.75	23.29
		For Flanged Inlet, Add	*54.75*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	197.72	27.60
		For Flanged Inlet, Add	*58.77*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	245.33	31.92
		For Flanged Inlet, Add	*79.29*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	351.34	36.22
		For Flanged Inlet, Add	*139.51*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	399.29	43.12
		For Flanged Inlet, Add	*154.22*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	547.04	54.34
		For Flanged Inlet, Add	*225.37*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,169.41	71.58
		For Flanged Inlet, Add	*599.70*	
23 21 16 00-0017		Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*		
23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	379.23	23.29
		For Flanged Inlet, Add	*195.15*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	459.05	27.60
		For Flanged Inlet, Add	*236.48*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	647.00	31.92
		For Flanged Inlet, Add	*352.42*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	664.45	36.22
		For Flanged Inlet, Add	*352.42*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	945.77	43.12
		For Flanged Inlet, Add	*525.82*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	988.89	54.34
		For Flanged Inlet, Add	*525.82*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,615.40	71.58
		For Flanged Inlet, Add	*902.97*	
23 21 16 00-0025		Y-Type Strainers *(23 21 16)*		
23 21 16 00-0026		Screwed Ends, 250 LB, Iron Body, Y-Type Strainers *(23 21 16 00-0025)*		
23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	48.06	10.37
		For Galvanized Body, Add	*9.21*	
		For Work In Restricted Working Space, Add	*8.89*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	48.52	10.56
		For Galvanized Body, Add	*9.21*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	62.74	14.26
		For Galvanized Body, Add	*11.00*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	78.32	17.04
		For Galvanized Body, Add	*14.86*	
		For Work In Restricted Working Space, Add	*14.58*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	100.90	21.06
		For Galvanized Body, Add	*20.36*	
		For Work In Restricted Working Space, Add	*18.06*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	113.84	22.68
		For Galvanized Body, Add	*24.51*	
		For Work In Restricted Working Space, Add	*19.45*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	149.55	25.93
		For Galvanized Body, Add	*37.74*	
		For Work In Restricted Working Space, Add	*22.22*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	262.26	32.41
		For Galvanized Body, Add	*84.83*	
		For Work In Restricted Working Space, Add	*27.78*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	337.40	40.55
		For Galvanized Body, Add	*110.83*	
		For Work In Restricted Working Space, Add	*34.73*	
23 21 16 00-0036		Flanged, 125 LB, Iron Body , Y-Type Strainers *(23 21 16 00-0025)*		
23 21 16 00-0037	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	215.50	97.23
		For Galvanized Body, Add	*46.83*	
		For Work In Restricted Working Space, Add	*36.55*	
23 21 16 00-0038	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer	255.69	123.43
		For Galvanized Body, Add	*50.68*	
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0039	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer	438.65	157.42
		For Galvanized Body, Add	*120.82*	
		For Work In Restricted Working Space, Add	*59.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0040	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer	604.91	263.90
		For Galvanized Body, Add	*137.10*	
		For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0041	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer	631.87	260.48
		For Galvanized Body, Add	*153.39*	
		For Work In Restricted Working Space, Add	*97.53*	
23 21 16 00-0042	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer	744.07	289.43
		For Galvanized Body, Add	*190.50*	
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0043	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,209.77	369.82
		For Galvanized Body, Add	*375.18*	
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0044	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer	2,235.20	450.22
		For Galvanized Body, Add	*836.22*	
		For Work In Restricted Working Space, Add	*168.83*	
23 21 16 00-0045	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer	2,542.91	401.98
		For Galvanized Body, Add	*869.48*	
		For Work In Restricted Working Space, Add	*241.19*	

23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0047	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	45.84	10.56
		For 300 LB Rating, Add	*26.76*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	61.22	14.26
		For 300 LB Rating, Add	*34.80*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	74.39	17.04
		For 300 LB Rating, Add	*43.83*	
		For Work In Restricted Working Space, Add	*14.58*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	92.47	21.06
		For 300 LB Rating, Add	*54.88*	
		For Work In Restricted Working Space, Add	*18.06*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	106.74	22.68
		For 300 LB Rating, Add	*71.26*	
		For Work In Restricted Working Space, Add	*19.45*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	142.17	25.93
		For 300 LB Rating, Add	*115.75*	
		For Work In Restricted Working Space, Add	*22.22*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	204.97	32.41
		For 300 LB Rating, Add	*191.03*	
		For Work In Restricted Working Space, Add	*27.78*	
23 21 16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	348.74	40.55
		For 300 LB Rating, Add	*396.08*	
		For Work In Restricted Working Space, Add	*34.73*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	581.08	48.61
		For 300 LB Rating, Add	*751.71*	
		For Work In Restricted Working Space, Add	*41.67*	

23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With bolted cap.

23 21 16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	349.91	123.43
		For 300 LB Rating, Add	*117.35*	
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	367.64	134.27
		For 300 LB Rating, Add	*119.56*	
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	425.20	157.42
		For 300 LB Rating, Add	*136.91*	
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	885.14	263.90
		For 300 LB Rating, Add	*332.66*	
		For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,203.51	289.43
		For 300 LB Rating, Add	*504.26*	
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,893.67	369.82
		For 300 LB Rating, Add	*860.56*	
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	5,710.52	450.22
		For 300 LB Rating, Add	*3,088.65*	
		For Work In Restricted Working Space, Add	*168.83*	

23 21 16 00-0064 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	369.32	36.49
		For Work In Restricted Working Space, Add	*17.86*	
23 21 16 00-0066	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	388.31	40.46
		For Work In Restricted Working Space, Add	*19.84*	
23 21 16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	394.75	42.51
		For Work In Restricted Working Space, Add	*20.84*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	750.76	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	409.06	49.45
		For Work In Restricted Working Space, Add	*24.21*	
23 21 16 00-0070	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	461.72	49.45
		For Work In Restricted Working Space, Add	*24.21*	
23 21 16 00-0071	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	786.77	146.16
		For Work In Restricted Working Space, Add	*54.81*	
23 21 16 00-0072	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	804.19	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0073	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	979.45	211.09
		For Work In Restricted Working Space, Add	*79.16*	
23 21 16 00-0074	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,154.72	263.90
		For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0075	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,310.20	260.09
		For Work In Restricted Working Space, Add	*97.53*	
23 21 16 00-0076	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,580.52	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0077	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,791.46	369.82
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0078	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,748.68	369.82
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0079	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,143.24	450.22
		For Work In Restricted Working Space, Add	*168.83*	
23 21 16 00-0080	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,666.77	450.22
		For Work In Restricted Working Space, Add	*168.83*	

23 21 16 00-0081 Duplex Strainers *(23 21 16)*

23 21 16 00-0082 Iron Body, Duplex Strainers *(23 21 16 00-0081)*

23 21 16 00-0083 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0082)*

Note: With brass or stainless steel basket.

23 21 16 00-0084	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	447.61	23.05
		For Work In Restricted Working Space, Add	*13.84*	
23 21 16 00-0085	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	500.29	26.40
		For Work In Restricted Working Space, Add	*15.85*	
23 21 16 00-0086	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	674.67	31.02
		For Work In Restricted Working Space, Add	*18.60*	
23 21 16 00-0087	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	845.44	33.80
		For Work In Restricted Working Space, Add	*20.28*	
23 21 16 00-0088	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,130.27	41.21
		For Work In Restricted Working Space, Add	*24.80*	
23 21 16 00-0089	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,422.86	52.78
		For Work In Restricted Working Space, Add	*31.66*	

23 21 16 00-0090 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0082)*

Note: With brass or stainless steel basket.

23 21 16 00-0091	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,555.30	123.43
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0092	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,611.16	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0093	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,058.01	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0094	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	3,214.53	229.13
		For Work In Restricted Working Space, Add	*86.14*	
23 21 16 00-0095	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	6,217.88	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0096	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	11,750.81	369.82
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0097	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	16,203.45	450.22
		For Work In Restricted Working Space, Add	*168.83*	
23 21 16 00-0098	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	18,532.66	567.60
		For Work In Restricted Working Space, Add	*340.66*	
23 21 16 00-0099	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	21,881.24	643.17
		For Work In Restricted Working Space, Add	*241.19*	
23 21 16 00-0100	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	27,314.60	707.48
		For Work In Restricted Working Space, Add	*265.31*	

23 21 16 00-0101 Bronze Body, Duplex Strainers *(23 21 16 00-0081)*

23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0101)*

Note: With brass or stainless steel basket.

23 21 16 00-0103	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	819.81	23.15
		For Work In Restricted Working Space, Add	*13.84*	
23 21 16 00-0104	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	910.13	26.40
		For Work In Restricted Working Space, Add	*15.85*	
23 21 16 00-0105	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,327.07	31.02
		For Work In Restricted Working Space, Add	*18.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0106	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,740.39	33.80
		For Work In Restricted Working Space, Add	*20.28*	
23 21 16 00-0107	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,246.86	41.21
		For Work In Restricted Working Space, Add	*24.80*	
23 21 16 00-0108	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,761.10	52.78
		For Work In Restricted Working Space, Add	*31.66*	
23 21 16 00-0109		Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0101)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0110	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	3,165.37	123.43
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0111	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	3,263.05	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0112	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	4,462.66	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0113	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	7,020.15	229.13
		For Work In Restricted Working Space, Add	*86.14*	
23 21 16 00-0114	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	15,167.36	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0115		Cast Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0116		Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,270.53	26.40
		For Work In Restricted Working Space, Add	*15.85*	
23 21 16 00-0118	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,563.83	31.02
		For Work In Restricted Working Space, Add	*18.60*	
23 21 16 00-0119	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,853.57	33.80
		For Work In Restricted Working Space, Add	*20.28*	
23 21 16 00-0120	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,126.93	41.21
		For Work In Restricted Working Space, Add	*24.80*	
23 21 16 00-0121		Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0122	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,218.87	123.43
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0123	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,537.34	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0124	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	4,641.62	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0125	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	6,801.83	229.13
		For Work In Restricted Working Space, Add	*86.14*	
23 21 16 00-0126	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	11,565.92	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0127	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	22,459.19	369.82
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0128		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0129		Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0130	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	4,434.32	26.40
		For Work In Restricted Working Space, Add	*15.85*	
23 21 16 00-0131	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	5,603.78	31.02
		For Work In Restricted Working Space, Add	*18.60*	
23 21 16 00-0132	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,761.56	33.80
		For Work In Restricted Working Space, Add	*20.28*	
23 21 16 00-0133	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	10,833.56	41.21
		For Work In Restricted Working Space, Add	*24.80*	
23 21 16 00-0134		Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0135	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,351.48	123.43
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0136	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,933.49	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0137	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	18,696.66	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0138	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	22,843.70	229.13
		For Work In Restricted Working Space, Add	*86.14*	
23 21 16 00-0139	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	40,121.07	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0140	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	74,133.39	369.82
		For Work In Restricted Working Space, Add	*137.82*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0141		Pressure Regulating Valve *(23 21 16)*		
23 21 16 00-0142		Screwed Ends, Water Pressure Reducing Valves *(23 21 16 00-0141)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0143	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	118.18	11.57
		For Work In Restricted Working Space, Add	*13.88*	
23 21 16 00-0144	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	143.06	12.96
		For Work In Restricted Working Space, Add	*15.43*	
23 21 16 00-0145	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	182.22	13.88
		For Work In Restricted Working Space, Add	*16.34*	
23 21 16 00-0146	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	297.90	15.55
		For Work In Restricted Working Space, Add	*18.52*	
23 21 16 00-0147	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	399.86	18.51
		For Work In Restricted Working Space, Add	*22.22*	
23 21 16 00-0148	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	576.42	28.37
		For Work In Restricted Working Space, Add	*34.08*	
23 21 16 00-0149	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	628.98	31.95
		For Work In Restricted Working Space, Add	*38.34*	
23 21 16 00-0150	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	691.84	92.45
		For Work In Restricted Working Space, Add	*42.60*	
23 21 16 00-0151		Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0141)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152		Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0151)*		
23 21 16 00-0153	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	191.65	15.56
		For Work In Restricted Working Space, Add	*18.65*	
23 21 16 00-0154	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	244.85	22.04
		For Work In Restricted Working Space, Add	*26.46*	
23 21 16 00-0155	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	312.06	26.86
		For Work In Restricted Working Space, Add	*32.30*	
23 21 16 00-0156	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	408.65	32.59
		For Work In Restricted Working Space, Add	*37.54*	
23 21 16 00-0157	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	536.61	37.04
		For Work In Restricted Working Space, Add	*42.74*	
23 21 16 00-0158	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	630.16	51.75
		For Work In Restricted Working Space, Add	*51.75*	
23 21 16 00-0159		Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0151)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,339.88	125.06
		For Work In Restricted Working Space, Add	*47.05*	
23 21 16 00-0161	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,660.66	146.62
		For Work In Restricted Working Space, Add	*55.05*	
23 21 16 00-0162	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,169.77	245.81
		For Work In Restricted Working Space, Add	*92.41*	
23 21 16 00-0163	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,211.74	289.32
		For Work In Restricted Working Space, Add	*108.89*	
23 21 16 00-0164		Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0141)*		
23 21 16 00-0165		Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0164)*		
23 21 16 00-0166	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	944.27	11.30
		For Work In Restricted Working Space, Add	*16.94*	
23 21 16 00-0167	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	963.53	11.30
		For Work In Restricted Working Space, Add	*16.94*	
23 21 16 00-0168	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,031.83	14.26
		For Work In Restricted Working Space, Add	*21.39*	
23 21 16 00-0169	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,216.00	18.15
		For Work In Restricted Working Space, Add	*27.23*	
23 21 16 00-0170	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,392.48	20.93
		For Work In Restricted Working Space, Add	*31.39*	
23 21 16 00-0171	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,723.33	24.63
		For Work In Restricted Working Space, Add	*36.95*	
23 21 16 00-0172		Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0164)*		
23 21 16 00-0173	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,131.36	125.06
		For Work In Restricted Working Space, Add	*47.05*	
23 21 16 00-0174	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,624.41	146.62
		For Work In Restricted Working Space, Add	*55.05*	
23 21 16 00-0175	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,989.70	245.81
		For Work In Restricted Working Space, Add	*92.41*	
23 21 16 00-0176	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	8,622.65	289.32
		For Work In Restricted Working Space, Add	*108.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0177		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0141)*		
23 21 16 00-0178	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	130.01	12.03
23 21 16 00-0179	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	158.13	13.33
23 21 16 00-0180	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	203.23	14.16
23 21 16 00-0181	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	336.73	16.11
23 21 16 00-0182	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	453.40	19.25
23 21 16 00-0183	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	652.52	29.48
23 21 16 00-0184	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	707.12	32.12
23 21 16 00-0185	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	782.25	36.97
23 21 16 00-0186		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0141)* Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	115.95	11.57
23 21 16 00-0188	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	127.62	12.96
23 21 16 00-0189	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	155.17	14.34
23 21 16 00-0190	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	343.42	15.55
23 21 16 00-0191	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	374.81	18.51
23 21 16 00-0192	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	587.94	28.37
23 21 16 00-0193		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0194	EA	1/2" Dual Unit Reducing And Relief Valve	132.43	28.25
23 21 16 00-0195		**Safety Relief Valve** *(23 21 16)* Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0195)* Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0197	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	58.34	11.57
23 21 16 00-0198	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	76.30	12.73
23 21 16 00-0199	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	106.27	15.50
23 21 16 00-0200	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	132.46	16.43
23 21 16 00-0201	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	181.52	21.98
23 21 16 00-0202	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	238.61	25.92
23 21 16 00-0203	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	274.69	32.40
23 21 16 00-0204		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	60.89	23.60
		For Cast Iron Body, Add	*27.90*	
23 21 16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	77.37	28.33
		For Cast Iron Body, Add	*38.86*	
23 21 16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	111.24	37.76
		For Cast Iron Body, Add	*61.90*	
23 21 16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	171.37	40.45
		For Cast Iron Body, Add	*131.56*	
23 21 16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	275.37	45.36
		For Cast Iron Body, Add	*251.68*	
23 21 16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	325.75	65.18
		For Cast Iron Body, Add	*274.05*	
23 21 16 00-0211		**Horizontal Steel Expansion Tanks** *(23 21 16)* Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank	465.87	92.60
23 21 16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank	652.50	115.75
23 21 16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank	849.68	138.90
23 21 16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank	978.99	162.05
23 21 16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank	1,110.07	160.79
23 21 16 00-0217		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,390.86	69.45
23 21 16 00-0219	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,450.39	81.03
23 21 16 00-0220	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,169.07	92.60
23 21 16 00-0221	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,256.43	104.17
23 21 16 00-0222	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,064.99	115.75
23 21 16 00-0223	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,231.53	127.33
23 21 16 00-0224	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,845.35	138.90
23 21 16 00-0225	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,114.61	150.47
23 21 16 00-0226	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,535.82	162.05
23 21 16 00-0227	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,659.16	185.20
23 21 16 00-0228	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,850.40	208.35
23 21 16 00-0229	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,709.94	231.50
23 21 16 00-0230	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,786.99	277.80

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0231		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0232	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,587.75	69.45
23 21 16 00-0233	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,636.58	81.03
23 21 16 00-0234	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,348.84	92.60
23 21 16 00-0235	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,506.82	104.17
23 21 16 00-0236	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,191.26	115.75
23 21 16 00-0237	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,355.65	127.33
23 21 16 00-0238	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,095.74	138.90
23 21 16 00-0239	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,427.06	150.47
23 21 16 00-0240	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,897.49	162.05
23 21 16 00-0241	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,014.42	185.20
23 21 16 00-0242	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,173.56	208.35
23 21 16 00-0243	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,165.78	231.50
23 21 16 00-0244	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,251.39	277.80
23 21 16 00-0245		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0246	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	62.06	8.52
23 21 16 00-0247	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	86.87	8.52
23 21 16 00-0248		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0249	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	880.15	277.89
23 21 16 00-0250	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	913.15	277.89
23 21 16 00-0251	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	946.14	277.89
23 21 16 00-0252	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,031.93	277.89
23 21 16 00-0253	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,246.48	370.30
23 21 16 00-0254	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,444.12	370.49
23 21 16 00-0255	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,483.31	370.49
23 21 16 00-0256	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,522.51	370.49
23 21 16 00-0257	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,934.30	462.99
23 21 16 00-0258	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	5,257.31	462.99
23 21 16 00-0259	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	6,674.93	555.41
23 21 16 00-0260		**ASME Construction Compression Tanks** *(23 21 16)* Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	764.27	162.97
		For Galvanized Steel Tanks, Add	*258.67*	
23 21 16 00-0262	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	779.61	167.60
		For Galvanized Steel Tanks, Add	*262.48*	
23 21 16 00-0263	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	848.80	173.17
		For Galvanized Steel Tanks, Add	*292.91*	
23 21 16 00-0264	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	927.45	179.65
		For Galvanized Steel Tanks, Add	*327.14*	
23 21 16 00-0265	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,078.28	189.83
		For Galvanized Steel Tanks, Add	*395.61*	
23 21 16 00-0266	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,120.35	197.24
		For Galvanized Steel Tanks, Add	*410.83*	
23 21 16 00-0267	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	1,382.42	214.83
		For Galvanized Steel Tanks, Add	*528.76*	
23 21 16 00-0268	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	1,505.82	230.58
		For Galvanized Steel Tanks, Add	*578.20*	
23 21 16 00-0269	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	1,869.31	260.20
		For Galvanized Steel Tanks, Add	*737.64*	
23 21 16 00-0270	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	2,368.90	298.17
		For Galvanized Steel Tanks, Add	*958.60*	
23 21 16 00-0271	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	2,833.32	330.58
		For Galvanized Steel Tanks, Add	*1,166.39*	
23 21 16 00-0272	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	3,098.12	359.28
		For Galvanized Steel Tanks, Add	*1,276.71*	
23 21 16 00-0273	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	3,904.00	394.47
		For Galvanized Steel Tanks, Add	*1,653.29*	
23 21 16 00-0274	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	4,030.22	421.33
		For Galvanized Steel Tanks, Add	*1,695.81*	
23 21 16 00-0275	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	5,178.84	452.81
		For Galvanized Steel Tanks, Add	*2,246.46*	
23 21 16 00-0276	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	8,589.44	531.52
		For Galvanized Steel Tanks, Add	*3,892.12*	
23 21 16 00-0277		**Compression Tank Air Fittings** *(23 21 16)*		
23 21 16 00-0278	EA	9" To 24" Diameter Compression Tank Air Fittings	135.40	25.93
23 21 16 00-0279	EA	>100 Gallon Compression Tank Air Fittings	412.64	30.56

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0280		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0281	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	51.74	14.93
23 21 16 00-0282	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	63.03	20.13
23 21 16 00-0283	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	84.27	24.37
23 21 16 00-0284	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	122.77	30.87
23 21 16 00-0285	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	51.74	14.93
23 21 16 00-0286	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	63.03	20.13
23 21 16 00-0287	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	84.27	24.37
23 21 16 00-0288	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	122.77	30.87
23 21 16 00-0289	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	63.00	11.57
23 21 16 00-0290	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	92.76	16.20
23 21 16 00-0291		**Radiator Trap Repair Kits** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0292	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	90.11	
23 21 16 00-0293	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	112.27	
23 21 16 00-0294	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	112.42	
23 21 16 00-0295	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	128.22	
23 21 16 00-0296	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	293.85	
23 21 16 00-0297		**Vortex Air Separators With Strainer** *(23 21 16)*		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,043.87	197.24
		For 300 PSIG, Add	*111.78*	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,286.55	225.95
		For 300 PSIG, Add	*141.54*	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	1,954.67	265.76
		For 300 PSIG, Add	*232.81*	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,088.53	281.32
		For 300 PSIG, Add	*249.35*	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	2,697.99	375.09
		For 300 PSIG, Add	*319.45*	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	3,382.62	437.35
		For 300 PSIG, Add	*408.08*	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	4,008.82	495.24
		For 300 PSIG, Add	*488.77*	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	5,741.83	594.12
		For 300 PSIG, Add	*726.21*	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	8,792.37	675.33
		For 300 PSIG, Add	*1,165.37*	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	11,852.98	873.91
		For 300 PSIG, Add	*1,579.32*	
23 21 16 00-0308	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	24,547.05	1,061.23
		For 300 PSIG, Add	*3,440.87*	
23 21 16 00-0309	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	30,297.25	1,273.47
		For 300 PSIG, Add	*4,255.16*	
23 21 16 00-0310	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	39,496.57	1,485.72
		For 300 PSIG, Add	*5,586.82*	
23 21 16 00-0311	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	46,204.75	1,697.97
		For 300 PSIG, Add	*6,544.81*	
23 21 16 00-0312		**Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0313	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	898.36	197.24
		For 300 PSIG, Add	*89.95*	
23 21 16 00-0314	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	1,127.81	225.95
		For 300 PSIG, Add	*117.73*	
23 21 16 00-0315	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	1,914.98	265.76
		For 300 PSIG, Add	*226.86*	
23 21 16 00-0316	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	1,740.20	281.32
		For 300 PSIG, Add	*197.10*	
23 21 16 00-0317	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	2,332.02	375.09
		For 300 PSIG, Add	*264.56*	
23 21 16 00-0318	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	2,999.01	437.35
		For 300 PSIG, Add	*350.54*	
23 21 16 00-0319	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	3,488.52	495.24
		For 300 PSIG, Add	*410.72*	
23 21 16 00-0320	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,472.08	594.12
		For 300 PSIG, Add	*1,285.75*	
23 21 16 00-0321	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	6,415.77	675.33
		For 300 PSIG, Add	*808.88*	
23 21 16 00-0322	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	9,856.13	873.91
		For 300 PSIG, Add	*1,279.79*	
23 21 16 00-0323	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	16,699.88	1,061.23
		For 300 PSIG, Add	*2,263.79*	
23 21 16 00-0324	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	21,143.73	1,273.47
		For 300 PSIG, Add	*2,882.13*	
23 21 16 00-0325	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	28,229.31	1,485.72
		For 300 PSIG, Add	*3,896.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0326	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	38,542.65	1,697.97
		For 300 PSIG, Add	*5,395.50*	
23 21 16 00-0327	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	47,167.72	1,910.21
		For 300 PSIG, Add	*6,641.02*	
23 21 16 00-0328	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	55,792.79	2,122.46
		For 300 PSIG, Add	*7,886.54*	
23 21 16 00-0329		**Grooved, With Strainer, Vortex Air Separators** *(23 21 16)*		
23 21 16 00-0330	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	1,826.91	225.05
23 21 16 00-0331	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,584.05	299.88
23 21 16 00-0332	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,250.18	349.57
23 21 16 00-0333	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	3,858.70	396.19
23 21 16 00-0334	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	5,552.92	475.43
23 21 16 00-0335	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	8,931.64	540.26
23 21 16 00-0336	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	13,574.93	699.20
23 21 16 00-0337		**Grooved Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0338	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,465.35	225.05
23 21 16 00-0339	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,218.08	299.88
23 21 16 00-0340	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	2,866.57	349.57
23 21 16 00-0341	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	3,338.40	396.19
23 21 16 00-0342	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	4,450.60	475.43
23 21 16 00-0343	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	6,519.76	540.26
23 21 16 00-0344	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	10,793.49	699.20
23 21 16 00-0345		**Removable Head, Air Eliminator And Dirt Separator** *(23 21 16)*		
		Note: Spirovent VDN.		
23 21 16 00-0346	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,250.62	197.24
23 21 16 00-0347	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,518.77	225.95
23 21 16 00-0348	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	4,701.37	265.76
23 21 16 00-0349	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,365.05	407.44
23 21 16 00-0350	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	7,845.06	503.74
23 21 16 00-0351	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	10,102.64	570.42
23 21 16 00-0352	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	15,793.17	128.72
23 21 16 00-0353	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	23,338.10	777.84
23 21 16 00-0354	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	30,164.27	1,006.55
23 21 16 00-0355		**Swivel Joints** *(23 21 16)*		
23 21 16 00-0356		**Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)** *(23 21 16 00-0355)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0357	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	257.52	24.35
23 21 16 00-0358	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	370.16	35.65
23 21 16 00-0359	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	517.16	41.67
23 21 16 00-0360	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	773.30	71.30
23 21 16 00-0361	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	978.31	81.03
		For Stainless Steel, Add	*1,224.39*	
23 21 16 00-0362	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	724.80	123.43
		For Stainless Steel, Add	*855.71*	
23 21 16 00-0363	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	978.14	98.48
23 21 16 00-0364	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,254.54	263.91
23 21 16 00-0365	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	2,305.98	333.36
23 21 16 00-0366		**Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)** *(23 21 16 00-0355)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0367	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	326.19	24.35
		For Stainless Steel, Add	*416.18*	
23 21 16 00-0368	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	402.59	35.65
		For Stainless Steel, Add	*497.04*	
23 21 16 00-0369	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	541.22	41.67
		For Stainless Steel, Add	*685.56*	
23 21 16 00-0370	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	870.61	71.30
		For Stainless Steel, Add	*1,092.23*	
23 21 16 00-0371	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,137.23	81.03
		For Stainless Steel, Add	*1,462.77*	
23 21 16 00-0372	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	746.79	123.43
		For Stainless Steel, Add	*888.69*	
23 21 16 00-0373	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,104.09	98.48
		For Stainless Steel, Add	*1,360.61*	
23 21 16 00-0374	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,399.95	263.91
		For Stainless Steel, Add	*1,603.86*	
23 21 16 00-0375	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	2,406.40	333.36
		For Stainless Steel, Add	*2,982.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0355)*
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0377	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	382.86	24.35
		For Stainless Steel, Add	*501.18*	
23 21 16 00-0378	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	445.84	35.65
		For Stainless Steel, Add	*561.92*	
23 21 16 00-0379	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	649.92	41.67
		For Stainless Steel, Add	*848.61*	
23 21 16 00-0380	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,001.42	71.30
		For Stainless Steel, Add	*1,288.44*	
23 21 16 00-0381	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,180.48	81.03
		For Stainless Steel, Add	*1,527.65*	
23 21 16 00-0382	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	854.90	123.43
		For Stainless Steel, Add	*1,050.86*	
23 21 16 00-0383	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,238.15	98.48
		For Stainless Steel, Add	*1,561.70*	
23 21 16 00-0384	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,538.33	263.91
		For Stainless Steel, Add	*1,811.43*	
23 21 16 00-0385	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,703.70	333.36
		For Stainless Steel, Add	*3,428.27*	

23 21 16 00-0386 Basket Strainers *(23 21 16)*

23 21 16 00-0387 Bronze Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0389	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	164.72	18.52
		For Work In Restricted Working Space, Add	*11.03*	
23 21 16 00-0390	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	194.56	21.76
		For Work In Restricted Working Space, Add	*12.95*	
23 21 16 00-0391	EA	1" Screwed Ends, Bronze Body Basket Strainer	226.25	25.93
		For Work In Restricted Working Space, Add	*15.43*	
23 21 16 00-0392	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	279.01	28.71
		For Work In Restricted Working Space, Add	*17.21*	
23 21 16 00-0393	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	328.23	32.41
		For Work In Restricted Working Space, Add	*19.43*	
23 21 16 00-0394	EA	2" Screwed Ends, Bronze Body Basket Strainer	479.81	37.04
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0395	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	676.45	49.54
		For Work In Restricted Working Space, Add	*29.80*	
23 21 16 00-0396	EA	3" Screwed Ends, Bronze Body Basket Strainer	937.57	52.78
		For Work In Restricted Working Space, Add	*31.61*	

23 21 16 00-0397 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0398	EA	2" Flanged, Bronze Body Basket Strainer	769.08	123.43
		For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0399	EA	2-1/2" Flanged, Bronze Body Basket Strainer	1,130.23	134.27
		For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0400	EA	3" Flanged, Bronze Body Basket Strainer	1,284.34	157.42
		For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0401	EA	4" Flanged, Bronze Body Basket Strainer	2,170.79	263.90
		For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0402	EA	6" Flanged, Bronze Body Basket Strainer	4,001.42	289.43
		For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0403	EA	8" Flanged, Bronze Body Basket Strainer	7,213.34	369.82
		For Work In Restricted Working Space, Add	*137.82*	

23 21 16 00-0404 Iron Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0405 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0404)*

23 21 16 00-0406	EA	1/2" Screwed Ends, Iron Body Basket Strainer	174.39	18.52
		For Work In Restricted Working Space, Add	*11.03*	
23 21 16 00-0407	EA	3/4" Screwed Ends, Iron Body Basket Strainer	197.23	21.76
		For Work In Restricted Working Space, Add	*12.95*	
23 21 16 00-0408	EA	1" Screwed Ends, Iron Body Basket Strainer	233.28	25.93
		For Work In Restricted Working Space, Add	*15.43*	
23 21 16 00-0409	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	301.07	28.71
		For Work In Restricted Working Space, Add	*17.21*	
23 21 16 00-0410	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	331.20	32.41
		For Work In Restricted Working Space, Add	*19.43*	
23 21 16 00-0411	EA	2" Screwed Ends, Iron Body Basket Strainer	392.38	37.04
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0412	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	553.92	49.54
		For Work In Restricted Working Space, Add	*29.80*	
23 21 16 00-0413	EA	3" Screwed Ends, Iron Body Basket Strainer	623.08	52.78
		For Work In Restricted Working Space, Add	*31.61*	

23 21 16 00-0414 Flanged, Iron Body Basket Strainers *(23 21 16 00-0404)*

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0415		EA	2" Flanged, Iron Body Basket Strainer	558.60	123.43
			For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0416		EA	2-1/2" Flanged, Iron Body Basket Strainer	713.26	134.27
			For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0417		EA	3" Flanged, Iron Body Basket Strainer	777.07	157.42
			For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0418		EA	4" Flanged, Iron Body Basket Strainer	1,203.71	263.90
			For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0419		EA	6" Flanged, Iron Body Basket Strainer	2,062.20	289.43
			For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0420		EA	8" Flanged, Iron Body Basket Strainer	3,594.00	369.82
			For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0421		EA	10" Flanged, Iron Body Basket Strainer	5,279.31	450.22
			For Work In Restricted Working Space, Add	*168.83*	
23 21 16 00-0422		EA	12" Flanged, Iron Body Basket Strainer	6,730.47	567.60
			For Work In Restricted Working Space, Add	*340.52*	
23 21 16 00-0423		EA	14" Flanged, Iron Body Basket Strainer	7,864.12	643.17
			For Work In Restricted Working Space, Add	*241.19*	
23 21 16 00-0424		EA	16" Flanged, Iron Body Basket Strainer	8,266.76	707.48
			For Work In Restricted Working Space, Add	*265.31*	

23 21 16 00-0425 Cast Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0426 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0427		EA	1" Screwed Ends, Cast Steel Body Basket Strainer	499.46	25.93
			For Work In Restricted Working Space, Add	*15.43*	
23 21 16 00-0428		EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	655.35	28.71
			For Work In Restricted Working Space, Add	*17.21*	
23 21 16 00-0429		EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	738.67	32.41
			For Work In Restricted Working Space, Add	*19.42*	
23 21 16 00-0430		EA	2" Screwed Ends, Cast Steel Body Basket Strainer	1,032.84	37.04
			For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0431		EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,447.17	49.54
			For Work In Restricted Working Space, Add	*29.79*	
23 21 16 00-0432		EA	3" Screwed Ends, Cast Steel Body Basket Strainer	1,870.87	52.78
			For Work In Restricted Working Space, Add	*31.61*	

23 21 16 00-0433 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0434		EA	2" Flanged, Cast Steel Body Basket Strainer	1,549.65	123.43
			For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0435		EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	2,209.14	134.27
			For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0436		EA	3" Flanged, Cast Steel Body Basket Strainer	2,427.63	157.42
			For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0437		EA	4" Flanged, Cast Steel Body Basket Strainer	3,463.05	263.90
			For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0438		EA	6" Flanged, Cast Steel Body Basket Strainer	6,010.79	289.43
			For Work In Restricted Working Space, Add	*108.92*	
23 21 16 00-0439		EA	8" Flanged, Cast Steel Body Basket Strainer	9,714.06	369.82
			For Work In Restricted Working Space, Add	*137.82*	

23 21 16 00-0440 Stainless Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0440)*

23 21 16 00-0442		EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	326.92	25.93
			For Work In Restricted Working Space, Add	*15.43*	
23 21 16 00-0443		EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	465.12	28.71
			For Work In Restricted Working Space, Add	*17.21*	
23 21 16 00-0444		EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	482.04	32.41
			For Work In Restricted Working Space, Add	*19.42*	
23 21 16 00-0445		EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	705.56	37.04
			For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0446		EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	995.29	49.54
			For Work In Restricted Working Space, Add	*29.79*	
23 21 16 00-0447		EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	1,394.10	52.78
			For Work In Restricted Working Space, Add	*31.61*	

23 21 16 00-0448 Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0440)*

23 21 16 00-0449		EA	2" Flanged, Stainless Steel Body Basket Strainer	1,093.95	123.43
			For Work In Restricted Working Space, Add	*46.30*	
23 21 16 00-0450		EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	1,631.66	134.27
			For Work In Restricted Working Space, Add	*50.51*	
23 21 16 00-0451		EA	3" Flanged, Stainless Steel Body Basket Strainer	1,849.87	157.42
			For Work In Restricted Working Space, Add	*59.11*	
23 21 16 00-0452		EA	4" Flanged, Stainless Steel Body Basket Strainer	3,126.38	263.90
			For Work In Restricted Working Space, Add	*99.21*	
23 21 16 00-0453		EA	6" Flanged, Stainless Steel Body Basket Strainer	4,727.05	289.43
			For Work In Restricted Working Space, Add	*108.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0454	EA	8" Flanged, Stainless Steel Body Basket Strainer	8,150.90	369.82
		For Work In Restricted Working Space, Add	*137.82*	
23 21 16 00-0455		Air Vents *(23 21 16)*		
23 21 16 00-0456		Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0455)*		
		Note: With guided free floating lever.		
23 21 16 00-0457	EA	1/2" NPT, Cast Iron, Automatic Air Vent	203.43	26.86
23 21 16 00-0458	EA	3/4" NPT, Cast Iron, Automatic Air Vent	250.21	35.65
23 21 16 00-0459	EA	1" NPT, Cast Iron, Automatic Air Vent	547.85	37.04
23 21 16 00-0460	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	813.49	57.23
23 21 16 00-0461	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,339.17	61.58
23 21 16 00-0462	EA	2" NPT, Cast Iron, Automatic Air Vent	1,543.04	81.21
23 21 16 00-0463		Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0455)*		
		Note: With guided free floating lever.		
23 21 16 00-0464	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,276.36	31.02
23 21 16 00-0465	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,598.28	35.65
23 21 16 00-0466	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,904.77	37.04
23 21 16 00-0467	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,123.72	57.41
23 21 16 00-0468	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,605.89	61.58
23 21 16 00-0469	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,297.16	81.03
23 21 16 00-0470		Automatic Air Vent *(23 21 16 00-0455)*		
23 21 16 00-0471	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	158.07	35.65
23 21 16 00-0472	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	171.94	37.04
23 21 16 00-0473	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	246.20	57.23
23 21 16 00-0474	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	299.07	61.58
23 21 16 00-0475	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	374.62	66.36
23 21 16 00-0476		Manual Air Vent Bleed Plug Valve *(23 21 16 00-0455)*		
23 21 16 00-0477	EA	Up To 1/2" Manual Air Vent Bleed Plug Valve	66.00	33.43
23 21 16 00-0478		Air Release Valves *(23 21 16 00-0455)*		
23 21 16 00-0479		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0478)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0480	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	143.49	13.89
23 21 16 00-0481	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	147.20	15.74
23 21 16 00-0482	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	154.60	19.44
23 21 16 00-0483		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0478)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0484	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	579.59	19.44
23 21 16 00-0485	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	697.54	33.80
23 21 16 00-0486	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	915.80	78.80
23 21 16 00-0487		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0478)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0488	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	281.23	13.89
23 21 16 00-0489	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	347.44	19.44
23 21 16 00-0490	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	600.20	33.80
23 21 16 00-0491	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	871.72	78.80
23 21 16 00-0492	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,364.66	132.29
23 21 16 00-0493	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,073.24	167.28
23 21 16 00-0494		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0478)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0495	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	501.71	19.44
23 21 16 00-0496	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	771.01	33.80
23 21 16 00-0497	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,413.52	78.80
23 21 16 00-0498	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	1,836.67	132.29
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*		
		Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0002	EA	50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP	3,062.01	247.21
		For Mechanical Seal, Add	*185.66*	
		For Cast Steel Case, Add	*417.73*	
23 21 23 13-0003	EA	75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP	3,385.20	299.22
		For Mechanical Seal, Add	*199.03*	
		For Cast Steel Case, Add	*447.82*	
23 21 23 13-0004	EA	100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP	3,926.32	355.47
		For Mechanical Seal, Add	*228.86*	
		For Cast Steel Case, Add	*514.93*	
23 21 23 13-0005	EA	125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP	4,358.65	473.97
		For Mechanical Seal, Add	*235.03*	
		For Cast Steel Case, Add	*528.82*	
23 21 23 13-0006	EA	150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP	5,127.73	516.59
		For Mechanical Seal, Add	*286.22*	
		For Cast Steel Case, Add	*644.00*	
23 21 23 13-0007	EA	200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP	7,374.97	568.59
		For Mechanical Seal, Add	*453.60*	
		For Cast Steel Case, Add	*1,020.61*	
23 21 23 13-0008	EA	250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP	8,726.84	710.10
		For Mechanical Seal, Add	*527.66*	
		For Cast Steel Case, Add	*1,187.22*	
23 21 23 13-0009	EA	300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP	7,642.79	811.54
		For Mechanical Seal, Add	*416.58*	
		For Cast Steel Case, Add	*937.29*	
23 21 23 13-0010	EA	400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP	14,812.31	833.71
		For Mechanical Seal, Add	*984.89*	
		For Cast Steel Case, Add	*2,216.00*	
23 21 23 13-0011	EA	600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP	16,398.72	1,071.68
		For Mechanical Seal, Add	*1,054.63*	
		For Cast Steel Case, Add	*2,372.92*	

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,636.46	270.23
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	4,060.82	270.57
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	5,335.55	355.47
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	5,891.69	437.31
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	6,546.01	437.31
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	6,412.69	473.97
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	6,784.70	473.97
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	7,406.98	496.99
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	8,303.71	631.67
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	8,827.24	710.10
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	14,125.89	1,653.52
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	20,067.37	1,983.87
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	22,987.82	2,479.83

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	1,439.38	198.62
		For 300 LB Flanges, Add	*270.30*	
23 21 23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP	1,649.65	213.11
		For 300 LB Flanges, Add	*332.49*	
23 21 23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	2,038.37	227.61
		For 300 LB Flanges, Add	*414.88*	
23 21 23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	2,438.48	270.23
		For 300 LB Flanges, Add	*487.84*	
23 21 23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	2,562.15	270.57
		For 300 LB Flanges, Add	*512.67*	
23 21 23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,862.64	355.47
		For 300 LB Flanges, Add	*555.82*	
23 21 23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,862.64	355.47
		For 300 LB Flanges, Add	*555.82*	
23 21 23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,862.64	355.47
		For 300 LB Flanges, Add	*555.82*	
23 21 23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	3,495.66	437.31
		For 300 LB Flanges, Add	*677.19*	
23 21 23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	3,576.17	436.97
		For 300 LB Flanges, Add	*689.39*	
23 21 23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	3,755.59	473.97
		For 300 LB Flanges, Add	*725.78*	
23 21 23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	4,101.10	496.99
		For 300 LB Flanges, Add	*795.13*	
23 21 23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	4,693.12	631.67
		For 300 LB Flanges, Add	*889.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	5,309.52	710.10
		For 300 LB Flanges, Add	*1,007.71*	
23 21 23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP	9,263.54	1,653.52
		For 300 LB Flanges, Add	*1,518.80*	
23 21 23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP	11,064.43	1,983.87
		For 300 LB Flanges, Add	*1,809.60*	
23 21 23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP	13,417.79	2,479.83
		For 300 LB Flanges, Add	*2,158.82*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP	2,003.88	198.62
		For 300 LB Flanges, Add	*411.43*	
23 21 23 16-0035	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP	2,074.95	213.11
		For 300 LB Flanges, Add	*422.83*	
23 21 23 16-0036	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP	2,146.13	227.61
		For 300 LB Flanges, Add	*434.24*	
23 21 23 16-0037	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP	2,302.99	232.73
		For 300 LB Flanges, Add	*470.94*	
23 21 23 16-0038	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP	3,536.83	270.23
		For 300 LB Flanges, Add	*762.43*	
23 21 23 16-0039	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP	4,611.91	355.47
		For 300 LB Flanges, Add	*1,014.77*	
23 21 23 16-0040	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP	4,790.74	383.60
		For 300 LB Flanges, Add	*1,037.85*	
23 21 23 16-0041	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP	5,190.29	426.23
		For 300 LB Flanges, Add	*1,100.85*	
23 21 23 16-0042	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP	5,631.04	417.26
		For 300 LB Flanges, Add	*1,220.17*	
23 21 23 16-0043	EA	1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP	6,446.27	536.24
		For 300 LB Flanges, Add	*1,370.38*	
23 21 23 16-0044	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP	8,238.28	661.58
		For 300 LB Flanges, Add	*1,740.73*	
23 21 23 16-0045	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP	9,458.07	826.31
		For 300 LB Flanges, Add	*1,965.97*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	13,077.46	991.93
		For 300 LB Flanges, Add	*2,791.11*	
23 21 23 16-0047	EA	3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP	23,212.35	1,101.76
		For 300 LB Flanges, Add	*5,271.70*	
23 21 23 16-0048	EA	4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP	25,196.12	1,417.05
		For 300 LB Flanges, Add	*5,615.81*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP	6,594.19	437.31
		For 300 LB Flanges, Add	*1,451.83*	
23 21 23 16-0051	EA	200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP	7,143.34	473.97
		For 300 LB Flanges, Add	*1,572.72*	
23 21 23 16-0052	EA	300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP	8,721.43	625.62
		For 300 LB Flanges, Add	*1,893.89*	
23 21 23 16-0053	EA	400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP	16,419.47	859.65
		For 300 LB Flanges, Add	*3,710.98*	
23 21 23 16-0054	EA	800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP	20,301.44	1,146.21
		For 300 LB Flanges, Add	*4,550.17*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	3,268.33	255.74
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,535.94	255.74
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,918.21	269.95
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	4,154.94	269.95
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,750.42	283.87
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	5,614.58	334.98
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	7,346.04	412.67
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	7,868.42	446.65
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	9,081.32	482.37

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0066		Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	846.54	132.14
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	902.53	140.10
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,042.92	149.18

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001		Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP	4,219.38	631.67
		For Each Extra Column Assembly <60", Add	*375.44*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*130.89*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*88.69*	
23 21 23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP	4,367.52	710.10
		For Each Extra Column Assembly <60", Add	*387.59*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*136.51*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*92.83*	
23 21 23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP	5,295.19	661.58
		For Each Extra Column Assembly <60", Add	*471.06*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*164.36*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*111.41*	
23 21 23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP	5,641.19	763.43
		For Each Extra Column Assembly <60", Add	*500.35*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*176.60*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*120.18*	
23 21 23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP	6,675.94	826.31
		For Each Extra Column Assembly <60", Add	*587.21*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*213.90*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*147.14*	
23 21 23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP	9,890.35	991.93
		For Each Extra Column Assembly <60", Add	*855.00*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*331.85*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*232.94*	
23 21 23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP	11,953.97	1,239.92
		For Each Extra Column Assembly <60", Add	*1,036.03*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*398.45*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*278.91*	
23 21 23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP	17,890.09	1,417.05
		For Each Extra Column Assembly <60", Add	*1,522.30*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*624.51*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*445.61*	
23 21 23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP	23,006.15	1,653.52
		For Each Extra Column Assembly <60", Add	*1,946.77*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*813.97*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*583.91*	
23 21 23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP	31,477.70	1,983.87
		For Each Extra Column Assembly <60", Add	*2,645.75*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,131.57*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*816.80*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001		Automatic Shallow Pan Condensate Pump *(23 21 29)*		
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	168.53	27.71
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	182.68	27.71
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	284.33	31.97
23 21 29 00-0005		Automatic Condensate Pump With Tank *(23 21 29)*		
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	92.72	21.32
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	98.76	21.32
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	163.90	27.71
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	177.06	31.97
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	325.77	36.23

23 22 Steam And Condensate Piping And Pumps *(23 20)*

23 22 13 Steam and Condensate Heating Piping *(23 22)*

23 22 13 00-0001		Ric-Wil System Pipe And Casing *(23 22 13)* Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.		
23 22 13 00-0002		Steam Pipe *(23 22 13 00-0001)* Note: Includes condensate return.		
23 22 13 00-0003	LF	1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	72.23	12.07
23 22 13 00-0004	LF	1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	76.86	13.80
23 22 13 00-0005	LF	1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	88.40	15.52

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 13 00-0006	LF	3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return	135.36	24.14
23 22 13 00-0007	LF	4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return	177.22	32.76
23 22 13 00-0008		Steam Or Condensate Pipe *(23 22 13 00-0001)*		
		Note: Excludes return.		
23 22 13 00-0009	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line	78.69	7.76
23 22 13 00-0010	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line	83.60	8.62
23 22 13 00-0011	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line	98.07	10.35
23 22 13 00-0012	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line	122.75	15.52
23 22 13 00-0013	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	164.43	23.28
23 22 16		**Steam And Condensate Heating Piping Specialties** *(23 22)*		
23 22 16 00-0001		Steam Temperature Regulator, Iron Body *(23 22 16)*		
23 22 16 00-0002		Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
		Note: Up to 150 PSI.		
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	583.69	13.33
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	618.14	17.96
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	818.60	22.12
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	907.38	27.96
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	934.73	32.12
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,101.42	34.93
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,422.47	63.99
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,582.16	69.78
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,391.91	163.34
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,882.14	191.72
23 22 16 00-0013		Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	858.67	13.33
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	893.54	17.96
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	936.86	22.12
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,122.85	27.96
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,205.28	32.12
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,367.10	34.93
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,106.13	63.99
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,157.94	69.78
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,066.91	163.34
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,867.03	191.72
23 22 16 00-0024		Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,165.27	13.33
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,186.77	17.96
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,301.37	22.12
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,420.94	27.96
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,475.83	32.12
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,663.58	34.93
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,078.16	63.99
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,020.86	69.78
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,911.80	163.34
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,441.30	191.72
23 22 16 00-0035		Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,489.28	13.33
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,509.16	17.96
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,641.58	22.12
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,715.77	27.96
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,785.25	32.12
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,943.84	34.93
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,240.16	63.99
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,171.20	69.78
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,062.14	163.34
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,591.64	191.72
23 22 16 00-0046		High Temperature Safety Relief Valve *(23 22 16)*		
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0046)*		
		Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048		Threaded *(23 22 16 00-0047)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	238.05	13.88
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	252.68	16.43
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	283.79	20.82
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	345.27	23.14
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	439.85	28.47
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	660.49	32.40
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	719.35	37.26
23 22 16 00-0056		**Flanged** *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,550.74	97.20
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,824.37	146.11
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,999.88	134.48
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,447.00	194.24
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,575.51	144.85
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,039.86	194.24
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,058.44	275.64
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	9,922.20	307.84
23 22 16 00-0065		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0046)* Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	254.60	12.73
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	262.37	13.88
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	305.28	15.27
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	336.31	16.43
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	388.20	18.51
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	394.25	20.82
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	440.77	21.98
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	478.83	23.14
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	653.39	25.92
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	714.33	28.47
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	849.46	32.40
23 22 16 00-0077		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0046)* Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	132.20	12.73
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	149.52	13.88
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	199.85	15.27
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	219.33	16.43
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	307.63	18.51
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	409.48	21.98
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	586.00	25.92
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	225.80	27.78
		For Work In Restricted Working Space, Add	*16.67*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	228.11	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	335.79	30.83
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	540.93	42.08
		For Work In Restricted Working Space, Add	*25.25*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	802.14	51.86
		For Work In Restricted Working Space, Add	*30.86*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,026.84	77.16
		For Work In Restricted Working Space, Add	*46.30*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	238.56	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	312.26	30.86
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	387.30	42.09
		For Work In Restricted Working Space, Add	*25.25*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	522.27	51.44
		For Work In Restricted Working Space, Add	*30.87*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	950.18	77.13
		For Work In Restricted Working Space, Add	*46.30*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	301.47	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	327.48	30.83
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	428.81	42.08
		For Work In Restricted Working Space, Add	*25.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	613.61	51.39
		For Work In Restricted Working Space, Add	*30.87*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,042.91	77.16
		For Work In Restricted Working Space, Add	*46.30*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	388.67	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	432.67	30.86
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	657.19	42.08
		For Work In Restricted Working Space, Add	*25.25*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	675.90	51.39
		For Work In Restricted Working Space, Add	*30.87*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,304.50	77.16
		For Work In Restricted Working Space, Add	*46.30*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	394.20	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	432.67	30.86
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	657.19	42.08
		For Work In Restricted Working Space, Add	*25.25*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	675.90	51.39
		For Work In Restricted Working Space, Add	*30.87*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,304.50	77.16
		For Work In Restricted Working Space, Add	*46.30*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	119.77	27.78
		For Work In Restricted Working Space, Add	*16.67*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	194.88	28.94
		For Work In Restricted Working Space, Add	*17.36*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	239.22	30.83
		For Work In Restricted Working Space, Add	*18.52*	
23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	253.93	25.01
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	357.30	27.78
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	441.26	28.94
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	589.07	30.83
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded Spirax Sarco S1	320.34	46.30
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded Spirax Sarco S1	363.15	62.50
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded	431.93	70.37
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded	523.61	80.57
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged	714.40	123.43
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged	774.95	134.27
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged	1,018.67	157.42
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged	1,680.36	263.91
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged	3,397.34	333.36
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	3,535.52	51.12
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	3,990.15	60.07
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	4,237.50	74.55
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	4,502.73	97.99
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0138	EA	4" Steam/Condensate Meter	5,022.92	115.45
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	9,733.14	711.47
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	10,049.30	754.32
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	10,444.98	788.32
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	10,898.68	839.27
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	11,577.62	911.87
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	11,948.94	945.87
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,796.08	433.91
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,325.37	445.84
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,430.45	475.67
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,683.45	480.79
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,000.79	523.41
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,450.91	523.41
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,520.14	559.21
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,529.47	584.78
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,582.80	610.36

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,067.01	463.74
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,713.79	475.67
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,815.97	507.22
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,262.60	548.13
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,520.14	560.07
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,644.42	579.67

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,783.45	610.36
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,558.39	649.57
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,301.77	531.93
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,931.27	574.55
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,444.47	567.74
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,621.38	579.67
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,717.33	604.40
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,582.80	610.36
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,656.29	649.57
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,404.04	576.27
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,163.02	588.20
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,647.54	592.46
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,789.68	644.46
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,606.53	694.75
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,984.34	582.23
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,159.12	639.35
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,460.50	644.46
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,869.65	702.42
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,434.95	702.42
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,532.61	756.99
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,569.71	790.23
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,729.57	829.44
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,886.43	627.41
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,064.93	685.38
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,500.83	668.33
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,532.61	756.99
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,689.26	785.12
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,499.21	829.44
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,819.08	889.12
23 22 23 13-0053		**40 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,208.65	739.93
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,655.17	773.18
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,703.08	785.12

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,864.12	824.33
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,730.72	829.44
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,846.72	889.12
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,399.85	739.93
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,747.10	813.25
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,981.27	883.15
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	10,486.20	956.46
23 23		Refrigerant Piping *(23 20)*		
23 23 13		**Refrigerant Piping Valves** *(23 23)*		
23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	33.83	9.25
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	35.32	9.25
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	43.30	9.25
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	58.09	10.18
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	78.30	11.57
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	124.26	14.25
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	37.68	9.63
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	45.87	10.56
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	88.36	14.44
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	153.26	21.02
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	202.95	25.74
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	245.32	28.98
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	343.89	33.06
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	600.80	92.60
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	783.78	115.75
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	1,106.33	154.37
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	49.82	9.26
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	135.63	10.18
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	158.12	11.57
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	211.38	12.32
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	274.26	14.26
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	398.08	16.86
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	558.20	24.73
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	730.32	32.41
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	106.85	9.26
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	109.09	9.26
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	136.41	10.18
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	136.41	10.18
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	187.46	11.57
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	293.31	12.32
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	520.38	14.26
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	533.33	16.86
23 23 16		**Refrigerant Piping Specialties** *(23 23)*		
23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	4.07	2.50
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	4.13	2.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	4.19	2.50
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	4.44	2.50
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	4.56	2.60
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	5.16	2.78
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	5.49	2.78
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	6.41	3.24
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	7.57	3.42
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	9.67	4.17
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	13.21	4.81
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	15.28	5.18

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized.

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.78	2.60
		For Medical Applications "Oxygen Clean", Add	*0.44*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	5.22	2.60
		For Medical Applications "Oxygen Clean", Add	*0.46*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	5.50	2.60
		For Medical Applications "Oxygen Clean", Add	*0.47*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	7.97	3.88
		For Medical Applications "Oxygen Clean", Add	*0.69*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.69	4.17
		For Medical Applications "Oxygen Clean", Add	*0.75*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.78	4.17
		For Medical Applications "Oxygen Clean", Add	*0.80*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.02	4.81
		For Medical Applications "Oxygen Clean", Add	*0.97*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.39	5.55
		For Medical Applications "Oxygen Clean", Add	*1.14*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	19.92	6.94
		For Medical Applications "Oxygen Clean", Add	*1.52*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	29.92	10.47
		For Medical Applications "Oxygen Clean", Add	*2.28*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	38.41	12.96
		For Medical Applications "Oxygen Clean", Add	*2.89*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	47.91	15.37
		For Medical Applications "Oxygen Clean", Add	*3.55*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	58.96	18.52
		For Medical Applications "Oxygen Clean", Add	*4.34*	

23 23 16 00-0028 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0029 Brass Flare Fittings *(23 23 16 00-0028)*

23 23 16 00-0030 Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0031	EA	3/8" Brass Flare Union	17.95	10.00
23 23 16 00-0032	EA	1/2" Brass Flare Union	17.95	10.00
23 23 16 00-0033	EA	5/8" Brass Flare Union	18.72	10.00

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	18.42	10.00
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	18.42	10.00
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	21.02	10.00

23 23 16 00-0038 Brass Flare Tees *(23 23 16 00-0029)*

23 23 16 00-0039	EA	3/8" Brass Flare Tee	29.45	16.66
23 23 16 00-0040	EA	1/2" Brass Flare Tee	30.61	16.66
23 23 16 00-0041	EA	5/8" Brass Flare Tee	36.93	16.66

23 23 16 00-0042 Male Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	15.81	10.00
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	16.59	10.00
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	17.70	10.00

23 23 16 00-0046 Female Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	16.81	10.00
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	17.87	10.00
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	17.87	10.00

23 23 16 00-0050 Long Forged Nuts *(23 23 16 00-0029)*

23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	16.29	10.00
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	16.59	10.00
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	19.97	10.00

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	15.85	10.00
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	16.55	10.00
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	16.69	10.00
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	15.64	10.00
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	15.51	10.00
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	15.70	10.00
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	16.35	10.47
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	22.41	13.80
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	22.48	14.17
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	28.89	17.59
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	40.56	24.07
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	48.26	28.25
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	61.13	34.26
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	100.10	52.04
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	132.74	68.43
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	190.38	81.30
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	17.30	10.00
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	17.43	10.00
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	17.30	10.00
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	18.52	10.47
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	25.81	13.80
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	26.25	14.17
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	33.10	17.59
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	42.99	24.07
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	53.12	28.25
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	70.86	34.26
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	117.09	52.04
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	151.76	68.43
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	247.65	81.30
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	19.39	10.00
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	18.29	10.00
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	19.16	10.00
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	19.52	10.47
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	24.58	13.80
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	26.12	14.17
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.25	17.59
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	48.93	24.07
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	59.61	28.25
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	96.60	34.26
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	149.68	52.04
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	197.55	68.43
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	376.17	81.30
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	20.90	10.00
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	19.39	10.00
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	18.74	10.00
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	17.26	10.47
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	27.42	13.80
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	23.89	14.17
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	33.08	17.59
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	45.13	24.07
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	53.25	28.25
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	69.45	34.26
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	116.62	52.04
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	156.53	68.43
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	236.73	81.30
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)* Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	29.75	16.66
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	30.01	16.66

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	29.03	16.66
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	32.87	21.02
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	40.63	21.02
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	35.37	21.29
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	53.00	28.25
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	65.68	34.26
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	83.08	40.65
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	115.79	54.17
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	246.95	118.25
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	294.97	130.01
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	458.72	144.46
23 23 16 00-0129		ACR Wrought Copper Male Adapter *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	22.41	10.00
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	24.83	10.00
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	20.80	10.00
23 23 16 00-0133		ACR Wrought Copper Female Adapter *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	21.46	10.00
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	20.07	10.00
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	20.59	10.00
23 23 16 00-0137		ACR Wrought Copper Cap *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	11.12	6.67
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	10.68	6.67
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	11.11	6.67
23 23 16 00-0141		ACR Wrought Copper P-Trap *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	56.74	8.53
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	74.57	9.37
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	68.60	9.37
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	89.91	10.23
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	154.08	10.23
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	210.98	11.09
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	359.79	11.93
23 23 16 00-0149		Sight Glass With Moisture And Liquid Indicator, Solder Connection *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	41.13	12.79
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	49.70	15.34
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	59.73	18.76
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	66.19	21.32
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	88.10	27.28
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	103.01	33.25
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	152.31	39.22
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	190.92	53.71
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	235.05	66.49
23 23 16 00-0159		Filter Driers, Solder Connections *(23 23 16)*		
23 23 16 00-0160		Replaceable Core Type Filter Driers, Solder Connections *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	322.78	7.67
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	332.98	9.37
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	427.13	9.37
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	433.95	10.23
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	490.20	11.09
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	564.66	11.93
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	662.38	12.79
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	827.10	12.79
23 23 16 00-0169		Sealed In-Line Filter Driers, Solder Connections *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	64.24	7.67
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	82.11	7.67
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	104.28	8.53
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	119.54	8.53
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	132.18	8.53
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	147.74	8.53
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	166.83	9.37
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	228.52	9.37
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	251.54	9.37

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	83.56	7.67
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	95.85	7.67
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	115.53	8.53
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	101.31	7.67
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	126.77	8.53
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	149.68	8.53
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	78.70	7.67
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	87.02	7.67
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	104.44	7.67
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	140.80	9.37
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	184.65	9.37
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	219.88	10.23
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	277.75	11.09
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	479.25	11.93
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	542.72	12.79
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	672.93	12.79
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	153.79	7.67
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	213.75	8.53
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	352.20	8.53
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	418.10	9.37
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	460.72	9.37
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	309.95	10.65
		Note: Sporlan SEI.		
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	354.66	11.09
		Note: Sporlan SEI.		
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	399.57	11.51
		Note: Sporlan SEI.		
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	477.56	11.51
		Note: Sporlan SEH.		
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	535.26	11.93
		Note: Sporlan SEH.		
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	41.03	11.09
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	42.83	12.79
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	54.99	16.20
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	60.27	19.60
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	71.50	23.87
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	82.31	27.28
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	117.43	10.23
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	161.24	11.09
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	198.30	11.09
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	264.30	11.93
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	439.69	12.79
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	573.20	12.79
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	133.46	38.78
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	181.30	53.28
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	220.31	71.01
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	302.30	85.25
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	410.67	106.56
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	613.61	142.11
23 23 16 00-0230		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	23.29	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	6.61	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	16.04	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush	217.50	
		Note: Up to 10 ton AC system.		

23 23 23 Refrigerants *(23 23)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	Refrigerant R-113	18.47	
23 23 23 00-0003	LB	Refrigerant R-123	17.21	
23 23 23 00-0004	LB	Refrigerant R-134A	6.49	
23 23 23 00-0005	LB	Refrigerant R-404A	8.39	
23 23 23 00-0006	LB	Refrigerant R-407C	8.05	
23 23 23 00-0007	LB	Refrigerant R-408A	24.77	
23 23 23 00-0008	LB	Refrigerant R-409A	27.15	
23 23 23 00-0009	LB	Refrigerant R-410A	6.67	
23 23 23 00-0010	LB	Refrigerant R-500	21.19	
23 23 23 00-0011	LB	Refrigerant R-502	24.27	
23 23 23 00-0012	LB	Refrigerant R-507	8.05	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment For Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001		**Polyethylene Chemical Storage Tanks** *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	199.65	71.21
23 25 13 00-0003		**Gas Chlorinator** *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	982.25	323.99
		For Booster Pump, Add	*370.75*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,122.09	370.27
		For Booster Pump, Add	*423.77*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,579.51	280.48
		For Booster Pump, Add	*524.08*	
23 25 13 00-0007		**Bypass Shot Feeders** *(23 25 13)*		
		Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008		**In Line Mount, 125 PSIG** *(23 25 13 00-0007)*		
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	870.05	241.24
23 25 13 00-0010		**Floor Mount, 175 PSIG** *(23 25 13 00-0007)*		
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,275.65	363.14
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,680.80	480.79
23 25 13 00-0013		**Floor Mount, 150 LB ASME Code** *(23 25 13 00-0007)*		
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,275.65	363.14
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,680.80	480.79
23 25 13 00-0016		**Floor Mount, 300 LB ASME Code** *(23 25 13 00-0007)*		
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,642.89	363.14
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,062.11	480.79

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts And Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0439 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated. Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0002		**Galvanized Steel Sheet Metal Ductwork** *(23 31 13 13-0001)* Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage.		
23 31 13 13-0003	LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	8.94	2.56
		For Flat Oval, Add	*0.09*	
		For Up To 200, Add	*2.85*	
		For >200 To 500, Add	*1.75*	
		For >500 To 1,000, Add	*1.29*	
		For >1,000 To 2,000, Add	*0.73*	
		For >2,000 To 5,000, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.51*	
23 31 13 13-0004	LB	Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install	10.22	2.98
		For Flat Oval, Add	*0.09*	
		For Up To 200, Add	*3.25*	
		For >200 To 500, Add	*1.99*	
		For >500 To 1,000, Add	*1.47*	
		For >1,000 To 2,000, Add	*0.84*	
		For >2,000 To 5,000, Add	*0.40*	
		For Work In Restricted Working Space, Add	*2.89*	
23 31 13 13-0005	LB	Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install	12.35	3.40
		For Flat Oval, Add	*0.10*	
		For Up To 200, Add	*3.90*	
		For >200 To 500, Add	*2.39*	
		For >500 To 1,000, Add	*1.77*	
		For >1,000 To 2,000, Add	*1.01*	
		For >2,000 To 5,000, Add	*0.49*	
		For Work In Restricted Working Space, Add	*3.51*	
23 31 13 13-0006	LB	Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	5.14	2.56
		For Polyvinyl Chloride (PVC) Coated, Add	*0.18*	
		For Flat Oval, Add	*0.13*	
		For Up To 200, Add	*1.81*	
		For >200 To 500, Add	*1.15*	
		For >500 To 1,000, Add	*0.78*	
		For >1,000 To 2,000, Add	*0.44*	
		For >2,000 To 5,000, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.28*	
23 31 13 13-0007	LB	Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	5.89	2.98
		For Polyvinyl Chloride (PVC) Coated, Add	*0.22*	
		For Flat Oval, Add	*0.16*	
		For Up To 200, Add	*2.09*	
		For >200 To 500, Add	*1.33*	
		For >500 To 1,000, Add	*0.90*	
		For >1,000 To 2,000, Add	*0.50*	
		For >2,000 To 5,000, Add	*0.22*	
		For Work In Restricted Working Space, Add	*1.44*	
23 31 13 13-0008	LB	Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	7.15	3.40
		For Polyvinyl Chloride (PVC) Coated, Add	*0.27*	
		For Flat Oval, Add	*0.20*	
		For Up To 200, Add	*2.54*	
		For >200 To 500, Add	*1.62*	
		For >500 To 1,000, Add	*1.09*	
		For >1,000 To 2,000, Add	*0.61*	
		For >2,000 To 5,000, Add	*0.27*	
		For Work In Restricted Working Space, Add	*1.75*	
23 31 13 13-0009		**Aluminum Sheet Metal Duct Alloy 3003-H14** *(23 31 13 13-0001)* Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF; 10 gauge – 1.436 LB/SF; Add 10% additional material for lappage.		
23 31 13 13-0010	LB	Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14	17.00	2.56
		For Work In Restricted Working Space, Add	*4.35*	
		For Up To 200, Add	*5.85*	
		For >200 To 500, Add	*3.69*	
		For >500 To 1,000, Add	*2.56*	
		For >1,000 To 2,000, Add	*1.44*	
		For >2,000 To 5,000, Add	*0.65*	
23 31 13 13-0011		**Galvanized Steel Sheet Metal Ductwork By LF** *(23 31 13 13-0001)* Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0012		**30 Gauge Galvanized Steel Duct** *(23 31 13 13-0011)*		
23 31 13 13-0013	LF	4" x 4", 30 Gauge Galvanized Steel Duct	4.95	2.46
		For Flat Oval, Add	*0.13*	
		For Work In Restricted Working Space, Add	*1.23*	
23 31 13 13-0014	LF	4" x 6", 30 Gauge Galvanized Steel Duct	6.19	3.07
		For Flat Oval, Add	*0.16*	
		For Work In Restricted Working Space, Add	*1.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0015	LF	4" x 8", 30 Gauge Galvanized Steel Duct	7.43	3.69
		For Flat Oval, Add	*0.19*	
		For Work In Restricted Working Space, Add	*1.85*	
23 31 13 13-0016	LF	4" x 10", 30 Gauge Galvanized Steel Duct	8.65	4.30
		For Flat Oval, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.15*	
23 31 13 13-0017	LF	4" x 12", 30 Gauge Galvanized Steel Duct	9.90	4.92
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.46*	
23 31 13 13-0018	LF	4" x 14", 30 Gauge Galvanized Steel Duct	11.13	5.54
		For Flat Oval, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.77*	
23 31 13 13-0019	LF	4" x 16", 30 Gauge Galvanized Steel Duct	12.36	6.15
		For Flat Oval, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.08*	
23 31 13 13-0020	LF	6" x 6", 30 Gauge Galvanized Steel Duct	7.43	3.69
		For Flat Oval, Add	*0.19*	
		For Work In Restricted Working Space, Add	*1.85*	
23 31 13 13-0021	LF	6" x 8", 30 Gauge Galvanized Steel Duct	8.65	4.30
		For Flat Oval, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.15*	
23 31 13 13-0022	LF	6" x 10", 30 Gauge Galvanized Steel Duct	9.90	4.92
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.46*	
23 31 13 13-0023	LF	6" x 12", 30 Gauge Galvanized Steel Duct	11.13	5.54
		For Flat Oval, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.77*	
23 31 13 13-0024	LF	6" x 14", 30 Gauge Galvanized Steel Duct	12.36	6.15
		For Flat Oval, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.08*	
23 31 13 13-0025	LF	6" x 16", 30 Gauge Galvanized Steel Duct	13.61	6.77
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.38*	
23 31 13 13-0026	LF	8" x 8", 30 Gauge Galvanized Steel Duct	9.90	4.92
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.46*	
23 31 13 13-0027	LF	8" x 10", 30 Gauge Galvanized Steel Duct	11.13	5.54
		For Flat Oval, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.77*	
23 31 13 13-0028	LF	8" x 12", 30 Gauge Galvanized Steel Duct	12.36	6.15
		For Flat Oval, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.08*	
23 31 13 13-0029	LF	8" x 14", 30 Gauge Galvanized Steel Duct	13.61	6.77
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.38*	
23 31 13 13-0030	LF	8" x 16", 30 Gauge Galvanized Steel Duct	14.84	7.38
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.69*	
23 31 13 13-0031	LF	8" x 18", 30 Gauge Galvanized Steel Duct	16.08	8.00
		For Flat Oval, Add	*0.41*	
		For Work In Restricted Working Space, Add	*4.00*	
23 31 13 13-0032	LF	8" x 20", 30 Gauge Galvanized Steel Duct	17.31	8.61
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.31*	
23 31 13 13-0033	LF	8" x 22", 30 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0034	LF	8" x 24", 30 Gauge Galvanized Steel Duct	19.78	9.84
		For Flat Oval, Add	*0.51*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0035	LF	10" x 10", 30 Gauge Galvanized Steel Duct	12.36	6.15
		For Flat Oval, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.08*	
23 31 13 13-0036	LF	10" x 12", 30 Gauge Galvanized Steel Duct	13.61	6.77
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.38*	
23 31 13 13-0037	LF	10" x 14", 30 Gauge Galvanized Steel Duct	14.84	7.38
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.69*	
23 31 13 13-0038	LF	10" x 16", 30 Gauge Galvanized Steel Duct	16.08	8.00
		For Flat Oval, Add	*0.41*	
		For Work In Restricted Working Space, Add	*4.00*	
23 31 13 13-0039	LF	10" x 18", 30 Gauge Galvanized Steel Duct	17.31	8.61
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.31*	
23 31 13 13-0040	LF	10" x 20", 30 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0041	LF	10" x 22", 30 Gauge Galvanized Steel Duct	19.78	9.84
		For Flat Oval, Add	*0.51*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0042	LF	10" x 24", 30 Gauge Galvanized Steel Duct	21.03	10.45
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0043	LF	12" x 12", 30 Gauge Galvanized Steel Duct	14.84	7.38
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.69*	
23 31 13 13-0044	LF	12" x 14", 30 Gauge Galvanized Steel Duct	16.08	8.00
		For Flat Oval, Add	*0.41*	
		For Work In Restricted Working Space, Add	*4.00*	
23 31 13 13-0045	LF	12" x 16", 30 Gauge Galvanized Steel Duct	17.31	8.61
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.31*	
23 31 13 13-0046	LF	12" x 18", 30 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0047	LF	12" x 20", 30 Gauge Galvanized Steel Duct	19.78	9.84
		For Flat Oval, Add	*0.51*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0048	LF	12" x 22", 30 Gauge Galvanized Steel Duct	21.03	10.45
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.23*	
23 31 13 13-0049	LF	12" x 24", 30 Gauge Galvanized Steel Duct	22.27	11.07
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.54*	
23 31 13 13-0050	LF	14" x 14", 30 Gauge Galvanized Steel Duct	17.31	8.61
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.31*	
23 31 13 13-0051	LF	14" x 16", 30 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0052	LF	14" x 18", 30 Gauge Galvanized Steel Duct	19.78	9.84
		For Flat Oval, Add	*0.51*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0053	LF	14" x 20", 30 Gauge Galvanized Steel Duct	21.03	10.45
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.23*	
23 31 13 13-0054	LF	14" x 22", 30 Gauge Galvanized Steel Duct	22.27	11.07
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.54*	
23 31 13 13-0055	LF	14" x 24", 30 Gauge Galvanized Steel Duct	23.51	11.68
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*5.84*	
23 31 13 13-0056	LF	16" x 16", 30 Gauge Galvanized Steel Duct	19.78	9.84
		For Flat Oval, Add	*0.51*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0057	LF	16" x 18", 30 Gauge Galvanized Steel Duct	21.03	10.45
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.23*	
23 31 13 13-0058	LF	16" x 20", 30 Gauge Galvanized Steel Duct	22.27	11.07
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.54*	
23 31 13 13-0059	LF	16" x 22", 30 Gauge Galvanized Steel Duct	23.51	11.68
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*5.84*	
23 31 13 13-0060	LF	16" x 24", 30 Gauge Galvanized Steel Duct	24.73	12.30
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.15*	
23 31 13 13-0061	LF	18" x 18", 30 Gauge Galvanized Steel Duct	22.27	11.07
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.54*	
23 31 13 13-0062	LF	18" x 20", 30 Gauge Galvanized Steel Duct	23.51	11.68
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*5.84*	
23 31 13 13-0063	LF	18" x 22", 30 Gauge Galvanized Steel Duct	24.73	12.30
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.15*	
23 31 13 13-0064	LF	18" x 24", 30 Gauge Galvanized Steel Duct	25.97	12.91
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.46*	
23 31 13 13-0065	LF	20" x 20", 30 Gauge Galvanized Steel Duct	24.73	12.30
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.15*	
23 31 13 13-0066	LF	20" x 22", 30 Gauge Galvanized Steel Duct	25.97	12.91
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.46*	
23 31 13 13-0067	LF	20" x 24", 30 Gauge Galvanized Steel Duct	27.22	13.52
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.77*	
23 31 13 13-0068	LF	22" x 22", 30 Gauge Galvanized Steel Duct	27.22	13.52
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.77*	
23 31 13 13-0069	LF	22" x 24", 30 Gauge Galvanized Steel Duct	28.44	14.14
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.07*	
23 31 13 13-0070	LF	24" x 24", 30 Gauge Galvanized Steel Duct	29.69	14.76
		For Flat Oval, Add	*0.76*	
		For Work In Restricted Working Space, Add	*7.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0071		28 Gauge Galvanized Steel Duct *(23 31 13 13-0011)*		
23 31 13 13-0072	LF	4" x 4", 28 Gauge Galvanized Steel Duct	5.89	2.93
		For Flat Oval, Add	*0.15*	
		For Work In Restricted Working Space, Add	*1.46*	
23 31 13 13-0073	LF	4" x 6", 28 Gauge Galvanized Steel Duct	7.36	3.67
		For Flat Oval, Add	*0.19*	
		For Work In Restricted Working Space, Add	*1.83*	
23 31 13 13-0074	LF	4" x 8", 28 Gauge Galvanized Steel Duct	8.83	4.39
		For Flat Oval, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.20*	
23 31 13 13-0075	LF	4" x 10", 28 Gauge Galvanized Steel Duct	10.30	5.13
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.56*	
23 31 13 13-0076	LF	4" x 12", 28 Gauge Galvanized Steel Duct	11.78	5.86
		For Flat Oval, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.93*	
23 31 13 13-0077	LF	4" x 14", 28 Gauge Galvanized Steel Duct	13.25	6.59
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.29*	
23 31 13 13-0078	LF	4" x 16", 28 Gauge Galvanized Steel Duct	14.72	7.32
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.66*	
23 31 13 13-0079	LF	6" x 6", 28 Gauge Galvanized Steel Duct	8.83	4.39
		For Flat Oval, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.20*	
23 31 13 13-0080	LF	6" x 8", 28 Gauge Galvanized Steel Duct	10.30	5.13
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.56*	
23 31 13 13-0081	LF	6" x 10", 28 Gauge Galvanized Steel Duct	11.78	5.86
		For Flat Oval, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.93*	
23 31 13 13-0082	LF	6" x 12", 28 Gauge Galvanized Steel Duct	13.25	6.59
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.29*	
23 31 13 13-0083	LF	6" x 14", 28 Gauge Galvanized Steel Duct	14.72	7.32
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.66*	
23 31 13 13-0084	LF	6" x 16", 28 Gauge Galvanized Steel Duct	16.20	8.06
		For Flat Oval, Add	*0.42*	
		For Work In Restricted Working Space, Add	*4.03*	
23 31 13 13-0085	LF	8" x 8", 28 Gauge Galvanized Steel Duct	11.78	5.86
		For Flat Oval, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.93*	
23 31 13 13-0086	LF	8" x 10", 28 Gauge Galvanized Steel Duct	13.25	6.59
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.29*	
23 31 13 13-0087	LF	8" x 12", 28 Gauge Galvanized Steel Duct	14.72	7.32
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.66*	
23 31 13 13-0088	LF	8" x 14", 28 Gauge Galvanized Steel Duct	16.20	8.06
		For Flat Oval, Add	*0.42*	
		For Work In Restricted Working Space, Add	*4.03*	
23 31 13 13-0089	LF	8" x 16", 28 Gauge Galvanized Steel Duct	17.67	8.78
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.39*	
23 31 13 13-0090	LF	8" x 18", 28 Gauge Galvanized Steel Duct	19.14	9.52
		For Flat Oval, Add	*0.49*	
		For Work In Restricted Working Space, Add	*4.76*	
23 31 13 13-0091	LF	8" x 20", 28 Gauge Galvanized Steel Duct	20.62	10.25
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.12*	
23 31 13 13-0092	LF	8" x 22", 28 Gauge Galvanized Steel Duct	22.09	10.98
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.49*	
23 31 13 13-0093	LF	8" x 24", 28 Gauge Galvanized Steel Duct	23.57	11.71
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.86*	
23 31 13 13-0094	LF	10" x 10", 28 Gauge Galvanized Steel Duct	14.72	7.32
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*3.66*	
23 31 13 13-0095	LF	10" x 12", 28 Gauge Galvanized Steel Duct	16.20	8.06
		For Flat Oval, Add	*0.42*	
		For Work In Restricted Working Space, Add	*4.03*	
23 31 13 13-0096	LF	10" x 14", 28 Gauge Galvanized Steel Duct	17.67	8.78
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.39*	
23 31 13 13-0097	LF	10" x 16", 28 Gauge Galvanized Steel Duct	19.14	9.52
		For Flat Oval, Add	*0.49*	
		For Work In Restricted Working Space, Add	*4.76*	
23 31 13 13-0098	LF	10" x 18", 28 Gauge Galvanized Steel Duct	20.62	10.25
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.12*	
23 31 13 13-0099	LF	10" x 20", 28 Gauge Galvanized Steel Duct	22.09	10.98
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0100	LF	10" x 22", 28 Gauge Galvanized Steel Duct	23.57	11.71
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.86*	
23 31 13 13-0101	LF	10" x 24", 28 Gauge Galvanized Steel Duct	25.03	12.45
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0102	LF	12" x 12", 28 Gauge Galvanized Steel Duct	17.67	8.78
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.39*	
23 31 13 13-0103	LF	12" x 14", 28 Gauge Galvanized Steel Duct	19.14	9.52
		For Flat Oval, Add	*0.49*	
		For Work In Restricted Working Space, Add	*4.76*	
23 31 13 13-0104	LF	12" x 16", 28 Gauge Galvanized Steel Duct	20.62	10.25
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.12*	
23 31 13 13-0105	LF	12" x 18", 28 Gauge Galvanized Steel Duct	22.09	10.98
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.49*	
23 31 13 13-0106	LF	12" x 20", 28 Gauge Galvanized Steel Duct	23.57	11.71
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.86*	
23 31 13 13-0107	LF	12" x 22", 28 Gauge Galvanized Steel Duct	25.03	12.45
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0108	LF	12" x 24", 28 Gauge Galvanized Steel Duct	26.50	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0109	LF	14" x 14", 28 Gauge Galvanized Steel Duct	20.62	10.25
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.12*	
23 31 13 13-0110	LF	14" x 16", 28 Gauge Galvanized Steel Duct	22.09	10.98
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.49*	
23 31 13 13-0111	LF	14" x 18", 28 Gauge Galvanized Steel Duct	23.57	11.71
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.86*	
23 31 13 13-0112	LF	14" x 20", 28 Gauge Galvanized Steel Duct	25.03	12.45
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0113	LF	14" x 22", 28 Gauge Galvanized Steel Duct	26.50	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0114	LF	14" x 24", 28 Gauge Galvanized Steel Duct	27.98	13.91
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0115	LF	16" x 16", 28 Gauge Galvanized Steel Duct	23.57	11.71
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.86*	
23 31 13 13-0116	LF	16" x 18", 28 Gauge Galvanized Steel Duct	25.03	12.45
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0117	LF	16" x 20", 28 Gauge Galvanized Steel Duct	26.50	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0118	LF	16" x 22", 28 Gauge Galvanized Steel Duct	27.98	13.91
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0119	LF	16" x 24", 28 Gauge Galvanized Steel Duct	29.45	14.64
		For Flat Oval, Add	*0.76*	
		For Work In Restricted Working Space, Add	*7.32*	
23 31 13 13-0120	LF	18" x 18", 28 Gauge Galvanized Steel Duct	26.50	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0121	LF	18" x 20", 28 Gauge Galvanized Steel Duct	27.98	13.91
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0122	LF	18" x 22", 28 Gauge Galvanized Steel Duct	29.45	14.64
		For Flat Oval, Add	*0.76*	
		For Work In Restricted Working Space, Add	*7.32*	
23 31 13 13-0123	LF	18" x 24", 28 Gauge Galvanized Steel Duct	30.93	15.38
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.69*	
23 31 13 13-0124	LF	20" x 20", 28 Gauge Galvanized Steel Duct	29.45	14.64
		For Flat Oval, Add	*0.76*	
		For Work In Restricted Working Space, Add	*7.32*	
23 31 13 13-0125	LF	20" x 22", 28 Gauge Galvanized Steel Duct	30.93	15.38
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.69*	
23 31 13 13-0126	LF	20" x 24", 28 Gauge Galvanized Steel Duct	32.41	16.10
		For Flat Oval, Add	*0.83*	
		For Work In Restricted Working Space, Add	*8.06*	
23 31 13 13-0127	LF	22" x 22", 28 Gauge Galvanized Steel Duct	32.41	16.10
		For Flat Oval, Add	*0.83*	
		For Work In Restricted Working Space, Add	*8.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0128	LF	22" x 24", 28 Gauge Galvanized Steel Duct	33.88	16.84
		For Flat Oval, Add	*0.87*	
		For Work In Restricted Working Space, Add	*8.42*	
23 31 13 13-0129	LF	24" x 24", 28 Gauge Galvanized Steel Duct	35.33	17.57
		For Flat Oval, Add	*0.91*	
		For Work In Restricted Working Space, Add	*8.78*	

23 31 13 13-0130 26 Gauge Galvanized Steel Duct *(23 31 13 13-0011)*

23 31 13 13-0131	LF	4" x 4", 26 Gauge Galvanized Steel Duct	6.83	3.40
		For Flat Oval, Add	*0.18*	
		For Work In Restricted Working Space, Add	*1.70*	
23 31 13 13-0132	LF	4" x 6", 26 Gauge Galvanized Steel Duct	8.54	4.24
		For Flat Oval, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.12*	
23 31 13 13-0133	LF	4" x 8", 26 Gauge Galvanized Steel Duct	10.26	5.10
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.55*	
23 31 13 13-0134	LF	4" x 10", 26 Gauge Galvanized Steel Duct	11.96	5.95
		For Flat Oval, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.97*	
23 31 13 13-0135	LF	4" x 12", 26 Gauge Galvanized Steel Duct	13.67	6.79
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.40*	
23 31 13 13-0136	LF	4" x 14", 26 Gauge Galvanized Steel Duct	15.37	7.64
		For Flat Oval, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.82*	
23 31 13 13-0137	LF	4" x 16", 26 Gauge Galvanized Steel Duct	17.08	8.49
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.25*	
23 31 13 13-0138	LF	6" x 6", 26 Gauge Galvanized Steel Duct	10.26	5.10
		For Flat Oval, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.55*	
23 31 13 13-0139	LF	6" x 8", 26 Gauge Galvanized Steel Duct	11.96	5.95
		For Flat Oval, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.97*	
23 31 13 13-0140	LF	6" x 10", 26 Gauge Galvanized Steel Duct	13.67	6.79
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.40*	
23 31 13 13-0141	LF	6" x 12", 26 Gauge Galvanized Steel Duct	15.37	7.64
		For Flat Oval, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.82*	
23 31 13 13-0142	LF	6" x 14", 26 Gauge Galvanized Steel Duct	17.08	8.49
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.25*	
23 31 13 13-0143	LF	6" x 16", 26 Gauge Galvanized Steel Duct	18.79	9.34
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.67*	
23 31 13 13-0144	LF	8" x 8", 26 Gauge Galvanized Steel Duct	13.67	6.79
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.40*	
23 31 13 13-0145	LF	8" x 10", 26 Gauge Galvanized Steel Duct	15.37	7.64
		For Flat Oval, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.82*	
23 31 13 13-0146	LF	8" x 12", 26 Gauge Galvanized Steel Duct	17.09	8.50
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.25*	
23 31 13 13-0147	LF	8" x 14", 26 Gauge Galvanized Steel Duct	18.79	9.34
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.67*	
23 31 13 13-0148	LF	8" x 16", 26 Gauge Galvanized Steel Duct	20.50	10.19
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.10*	
23 31 13 13-0149	LF	8" x 18", 26 Gauge Galvanized Steel Duct	22.20	11.04
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.52*	
23 31 13 13-0150	LF	8" x 20", 26 Gauge Galvanized Steel Duct	23.92	11.89
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.95*	
23 31 13 13-0151	LF	8" x 22", 26 Gauge Galvanized Steel Duct	25.63	12.74
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*6.37*	
23 31 13 13-0152	LF	8" x 24", 26 Gauge Galvanized Steel Duct	27.34	13.58
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0153	LF	10" x 10", 26 Gauge Galvanized Steel Duct	17.09	8.50
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*4.25*	
23 31 13 13-0154	LF	10" x 12", 26 Gauge Galvanized Steel Duct	18.79	9.33
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.67*	
23 31 13 13-0155	LF	10" x 14", 26 Gauge Galvanized Steel Duct	20.50	10.19
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0156	LF	10" x 16", 26 Gauge Galvanized Steel Duct	22.20	11.04
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.52*	
23 31 13 13-0157	LF	10" x 18", 26 Gauge Galvanized Steel Duct	23.92	11.89
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.95*	
23 31 13 13-0158	LF	10" x 20", 26 Gauge Galvanized Steel Duct	25.63	12.74
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*6.37*	
23 31 13 13-0159	LF	10" x 22", 26 Gauge Galvanized Steel Duct	27.34	13.58
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0160	LF	10" x 24", 26 Gauge Galvanized Steel Duct	29.05	14.44
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0161	LF	12" x 12", 26 Gauge Galvanized Steel Duct	20.50	10.19
		For Flat Oval, Add	*0.53*	
		For Work In Restricted Working Space, Add	*5.10*	
23 31 13 13-0162	LF	12" x 14", 26 Gauge Galvanized Steel Duct	22.20	11.04
		For Flat Oval, Add	*0.57*	
		For Work In Restricted Working Space, Add	*5.52*	
23 31 13 13-0163	LF	12" x 16", 26 Gauge Galvanized Steel Duct	23.92	11.89
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.95*	
23 31 13 13-0164	LF	12" x 18", 26 Gauge Galvanized Steel Duct	25.63	12.74
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*6.37*	
23 31 13 13-0165	LF	12" x 20", 26 Gauge Galvanized Steel Duct	27.34	13.58
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0166	LF	12" x 22", 26 Gauge Galvanized Steel Duct	29.05	14.44
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0167	LF	12" x 24", 26 Gauge Galvanized Steel Duct	30.75	15.29
		For Flat Oval, Add	*0.79*	
		For Work In Restricted Working Space, Add	*7.64*	
23 31 13 13-0168	LF	14" x 14", 26 Gauge Galvanized Steel Duct	23.92	11.89
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.95*	
23 31 13 13-0169	LF	14" x 16", 26 Gauge Galvanized Steel Duct	25.63	12.74
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*6.37*	
23 31 13 13-0170	LF	14" x 18", 26 Gauge Galvanized Steel Duct	27.34	13.58
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0171	LF	14" x 20", 26 Gauge Galvanized Steel Duct	29.05	14.44
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0172	LF	14" x 22", 26 Gauge Galvanized Steel Duct	30.75	15.29
		For Flat Oval, Add	*0.79*	
		For Work In Restricted Working Space, Add	*7.64*	
23 31 13 13-0173	LF	14" x 24", 26 Gauge Galvanized Steel Duct	32.47	16.13
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0174	LF	16" x 16", 26 Gauge Galvanized Steel Duct	27.34	13.58
		For Flat Oval, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0175	LF	16" x 18", 26 Gauge Galvanized Steel Duct	29.05	14.44
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0176	LF	16" x 20", 26 Gauge Galvanized Steel Duct	30.75	15.29
		For Flat Oval, Add	*0.79*	
		For Work In Restricted Working Space, Add	*7.64*	
23 31 13 13-0177	LF	16" x 22", 26 Gauge Galvanized Steel Duct	32.47	16.13
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0178	LF	16" x 24", 26 Gauge Galvanized Steel Duct	34.17	16.99
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.49*	
23 31 13 13-0179	LF	18" x 18", 26 Gauge Galvanized Steel Duct	30.75	15.29
		For Flat Oval, Add	*0.79*	
		For Work In Restricted Working Space, Add	*7.64*	
23 31 13 13-0180	LF	18" x 20", 26 Gauge Galvanized Steel Duct	32.47	16.13
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0181	LF	18" x 22", 26 Gauge Galvanized Steel Duct	34.17	16.99
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.49*	
23 31 13 13-0182	LF	18" x 24", 26 Gauge Galvanized Steel Duct	35.88	17.83
		For Flat Oval, Add	*0.92*	
		For Work In Restricted Working Space, Add	*8.92*	
23 31 13 13-0183	LF	20" x 20", 26 Gauge Galvanized Steel Duct	34.17	16.99
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0184	LF	20" x 22", 26 Gauge Galvanized Steel Duct	35.88	17.83
		For Flat Oval, Add	*0.92*	
		For Work In Restricted Working Space, Add	*8.92*	
23 31 13 13-0185	LF	20" x 24", 26 Gauge Galvanized Steel Duct	37.58	18.68
		For Flat Oval, Add	*0.97*	
		For Work In Restricted Working Space, Add	*9.34*	
23 31 13 13-0186	LF	22" x 22", 26 Gauge Galvanized Steel Duct	37.58	18.68
		For Flat Oval, Add	*0.97*	
		For Work In Restricted Working Space, Add	*9.34*	
23 31 13 13-0187	LF	22" x 24", 26 Gauge Galvanized Steel Duct	39.30	19.54
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.77*	
23 31 13 13-0188	LF	24" x 24", 26 Gauge Galvanized Steel Duct	41.00	20.38
		For Flat Oval, Add	*1.05*	
		For Work In Restricted Working Space, Add	*10.19*	

23 31 13 13-0189 24 Gauge Galvanized Steel Duct *(23 31 13 13-0011)*

23 31 13 13-0190	LF	4" x 4", 24 Gauge Galvanized Steel Duct	8.72	4.34
		For Flat Oval, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.17*	
23 31 13 13-0191	LF	4" x 6", 24 Gauge Galvanized Steel Duct	10.90	5.42
		For Flat Oval, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.71*	
23 31 13 13-0192	LF	4" x 8", 24 Gauge Galvanized Steel Duct	13.08	6.51
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.25*	
23 31 13 13-0193	LF	4" x 10", 24 Gauge Galvanized Steel Duct	15.26	7.58
		For Flat Oval, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.80*	
23 31 13 13-0194	LF	4" x 12", 24 Gauge Galvanized Steel Duct	17.43	8.67
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.33*	
23 31 13 13-0195	LF	4" x 14", 24 Gauge Galvanized Steel Duct	19.61	9.75
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*4.88*	
23 31 13 13-0196	LF	4" x 16", 24 Gauge Galvanized Steel Duct	21.80	10.84
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.42*	
23 31 13 13-0197	LF	6" x 6", 24 Gauge Galvanized Steel Duct	13.08	6.51
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.25*	
23 31 13 13-0198	LF	6" x 8", 24 Gauge Galvanized Steel Duct	15.26	7.58
		For Flat Oval, Add	*0.39*	
		For Work In Restricted Working Space, Add	*3.80*	
23 31 13 13-0199	LF	6" x 10", 24 Gauge Galvanized Steel Duct	17.43	8.67
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.33*	
23 31 13 13-0200	LF	6" x 12", 24 Gauge Galvanized Steel Duct	19.61	9.75
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*4.88*	
23 31 13 13-0201	LF	6" x 14", 24 Gauge Galvanized Steel Duct	21.80	10.84
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.42*	
23 31 13 13-0202	LF	6" x 16", 24 Gauge Galvanized Steel Duct	23.98	11.92
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.96*	
23 31 13 13-0203	LF	8" x 8", 24 Gauge Galvanized Steel Duct	17.43	8.67
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.33*	
23 31 13 13-0204	LF	8" x 10", 24 Gauge Galvanized Steel Duct	19.61	9.75
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*4.88*	
23 31 13 13-0205	LF	8" x 12", 24 Gauge Galvanized Steel Duct	21.80	10.84
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.42*	
23 31 13 13-0206	LF	8" x 14", 24 Gauge Galvanized Steel Duct	23.98	11.92
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.96*	
23 31 13 13-0207	LF	8" x 16", 24 Gauge Galvanized Steel Duct	26.15	13.00
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0208	LF	8" x 18", 24 Gauge Galvanized Steel Duct	28.33	14.09
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.04*	
23 31 13 13-0209	LF	8" x 20", 24 Gauge Galvanized Steel Duct	30.52	15.17
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*7.59*	
23 31 13 13-0210	LF	8" x 22", 24 Gauge Galvanized Steel Duct	32.69	16.25
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0211	LF	8" x 24", 24 Gauge Galvanized Steel Duct	34.88	17.34
		For Flat Oval, Add	*0.90*	
		For Work In Restricted Working Space, Add	*8.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0212	LF	10" x 10", 24 Gauge Galvanized Steel Duct	21.80	10.84
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.42*	
23 31 13 13-0213	LF	10" x 12", 24 Gauge Galvanized Steel Duct	23.98	11.92
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*5.96*	
23 31 13 13-0214	LF	10" x 14", 24 Gauge Galvanized Steel Duct	26.15	13.00
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0215	LF	10" x 16", 24 Gauge Galvanized Steel Duct	28.33	14.09
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.04*	
23 31 13 13-0216	LF	10" x 18", 24 Gauge Galvanized Steel Duct	30.52	15.17
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*7.59*	
23 31 13 13-0217	LF	10" x 20", 24 Gauge Galvanized Steel Duct	32.69	16.25
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0218	LF	10" x 22", 24 Gauge Galvanized Steel Duct	34.88	17.34
		For Flat Oval, Add	*0.90*	
		For Work In Restricted Working Space, Add	*8.67*	
23 31 13 13-0219	LF	10" x 24", 24 Gauge Galvanized Steel Duct	37.05	18.43
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0220	LF	10" x 26", 24 Gauge Galvanized Steel Duct	39.23	19.51
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0221	LF	10" x 28", 24 Gauge Galvanized Steel Duct	41.42	20.59
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*10.30*	
23 31 13 13-0222	LF	10" x 30", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	
23 31 13 13-0223	LF	12" x 12", 24 Gauge Galvanized Steel Duct	26.15	13.00
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0224	LF	12" x 14", 24 Gauge Galvanized Steel Duct	28.33	14.09
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.04*	
23 31 13 13-0225	LF	12" x 16", 24 Gauge Galvanized Steel Duct	30.52	15.17
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*7.59*	
23 31 13 13-0226	LF	12" x 18", 24 Gauge Galvanized Steel Duct	32.69	16.25
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0227	LF	12" x 20", 24 Gauge Galvanized Steel Duct	34.88	17.34
		For Flat Oval, Add	*0.90*	
		For Work In Restricted Working Space, Add	*8.67*	
23 31 13 13-0228	LF	12" x 22", 24 Gauge Galvanized Steel Duct	37.05	18.43
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0229	LF	12" x 24", 24 Gauge Galvanized Steel Duct	39.23	19.51
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0230	LF	12" x 26", 24 Gauge Galvanized Steel Duct	41.42	20.59
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*10.30*	
23 31 13 13-0231	LF	12" x 28", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	
23 31 13 13-0232	LF	12" x 30", 24 Gauge Galvanized Steel Duct	45.77	22.75
		For Flat Oval, Add	*1.18*	
		For Work In Restricted Working Space, Add	*11.38*	
23 31 13 13-0233	LF	14" x 14", 24 Gauge Galvanized Steel Duct	30.52	15.17
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*7.59*	
23 31 13 13-0234	LF	14" x 16", 24 Gauge Galvanized Steel Duct	32.69	16.25
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0235	LF	14" x 18", 24 Gauge Galvanized Steel Duct	34.88	17.34
		For Flat Oval, Add	*0.90*	
		For Work In Restricted Working Space, Add	*8.67*	
23 31 13 13-0236	LF	14" x 20", 24 Gauge Galvanized Steel Duct	37.05	18.43
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0237	LF	14" x 22", 24 Gauge Galvanized Steel Duct	39.23	19.51
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0238	LF	14" x 24", 24 Gauge Galvanized Steel Duct	41.42	20.59
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*10.30*	
23 31 13 13-0239	LF	14" x 26", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0240	LF	14" x 28", 24 Gauge Galvanized Steel Duct	45.77	22.75
		For Flat Oval, Add	*1.18*	
		For Work In Restricted Working Space, Add	*11.38*	
23 31 13 13-0241	LF	14" x 30", 24 Gauge Galvanized Steel Duct	47.96	23.85
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 13-0242	LF	16" x 16", 24 Gauge Galvanized Steel Duct	34.88	17.34
		For Flat Oval, Add	*0.90*	
		For Work In Restricted Working Space, Add	*8.67*	
23 31 13 13-0243	LF	16" x 18", 24 Gauge Galvanized Steel Duct	37.05	18.43
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0244	LF	16" x 20", 24 Gauge Galvanized Steel Duct	39.23	19.51
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0245	LF	16" x 22", 24 Gauge Galvanized Steel Duct	41.42	20.59
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*10.30*	
23 31 13 13-0246	LF	16" x 24", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	
23 31 13 13-0247	LF	16" x 26", 24 Gauge Galvanized Steel Duct	45.77	22.75
		For Flat Oval, Add	*1.18*	
		For Work In Restricted Working Space, Add	*11.38*	
23 31 13 13-0248	LF	16" x 28", 24 Gauge Galvanized Steel Duct	47.96	23.85
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 13-0249	LF	16" x 30", 24 Gauge Galvanized Steel Duct	50.13	24.92
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.46*	
23 31 13 13-0250	LF	18" x 18", 24 Gauge Galvanized Steel Duct	39.23	19.51
		For Flat Oval, Add	*1.01*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0251	LF	18" x 20", 24 Gauge Galvanized Steel Duct	41.42	20.59
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*10.30*	
23 31 13 13-0252	LF	18" x 22", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	
23 31 13 13-0253	LF	18" x 24", 24 Gauge Galvanized Steel Duct	45.77	22.75
		For Flat Oval, Add	*1.18*	
		For Work In Restricted Working Space, Add	*11.38*	
23 31 13 13-0254	LF	18" x 26", 24 Gauge Galvanized Steel Duct	47.96	23.85
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 13-0255	LF	18" x 28", 24 Gauge Galvanized Steel Duct	50.13	24.92
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.46*	
23 31 13 13-0256	LF	18" x 30", 24 Gauge Galvanized Steel Duct	52.31	26.01
		For Flat Oval, Add	*1.35*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0257	LF	20" x 20", 24 Gauge Galvanized Steel Duct	43.59	21.67
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*10.84*	
23 31 13 13-0258	LF	20" x 22", 24 Gauge Galvanized Steel Duct	45.77	22.75
		For Flat Oval, Add	*1.18*	
		For Work In Restricted Working Space, Add	*11.38*	
23 31 13 13-0259	LF	20" x 24", 24 Gauge Galvanized Steel Duct	47.96	23.85
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 13-0260	LF	20" x 26", 24 Gauge Galvanized Steel Duct	50.13	24.92
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.46*	
23 31 13 13-0261	LF	20" x 28", 24 Gauge Galvanized Steel Duct	52.31	26.01
		For Flat Oval, Add	*1.35*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0262	LF	20" x 30", 24 Gauge Galvanized Steel Duct	54.48	27.09
		For Flat Oval, Add	*1.40*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0263	LF	22" x 22", 24 Gauge Galvanized Steel Duct	47.96	23.85
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 13-0264	LF	22" x 24", 24 Gauge Galvanized Steel Duct	50.13	24.92
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.46*	
23 31 13 13-0265	LF	22" x 26", 24 Gauge Galvanized Steel Duct	52.31	26.01
		For Flat Oval, Add	*1.35*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0266	LF	22" x 28", 24 Gauge Galvanized Steel Duct	54.48	27.09
		For Flat Oval, Add	*1.40*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0267	LF	22" x 30", 24 Gauge Galvanized Steel Duct	56.67	28.18
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.09*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0268	LF	24" x 24", 24 Gauge Galvanized Steel Duct	52.31	26.01
		For Flat Oval, Add	*1.35*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0269	LF	24" x 26", 24 Gauge Galvanized Steel Duct	54.48	27.09
		For Flat Oval, Add	*1.40*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0270	LF	24" x 28", 24 Gauge Galvanized Steel Duct	56.67	28.18
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.09*	
23 31 13 13-0271	LF	24" x 30", 24 Gauge Galvanized Steel Duct	58.85	29.25
		For Flat Oval, Add	*1.51*	
		For Work In Restricted Working Space, Add	*14.63*	
23 31 13 13-0272	LF	26" x 26", 24 Gauge Galvanized Steel Duct	56.67	28.18
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.09*	
23 31 13 13-0273	LF	26" x 28", 24 Gauge Galvanized Steel Duct	58.85	29.25
		For Flat Oval, Add	*1.51*	
		For Work In Restricted Working Space, Add	*14.63*	
23 31 13 13-0274	LF	26" x 30", 24 Gauge Galvanized Steel Duct	61.03	30.34
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.17*	
23 31 13 13-0275	LF	28" x 28", 24 Gauge Galvanized Steel Duct	61.03	30.34
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.17*	
23 31 13 13-0276	LF	28" x 30", 24 Gauge Galvanized Steel Duct	63.20	31.43
		For Flat Oval, Add	*1.62*	
		For Work In Restricted Working Space, Add	*15.71*	
23 31 13 13-0277	LF	30" x 30", 24 Gauge Galvanized Steel Duct	65.39	32.51
		For Flat Oval, Add	*1.68*	
		For Work In Restricted Working Space, Add	*16.25*	

23 31 13 13-0278 22 Gauge Galvanized Steel Duct *(23 31 13 13-0011)*

23 31 13 13-0279	LF	4" x 4", 22 Gauge Galvanized Steel Duct	10.60	5.28
		For Flat Oval, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.63*	
23 31 13 13-0280	LF	4" x 6", 22 Gauge Galvanized Steel Duct	13.26	6.59
		For Flat Oval, Add	*0.34*	
		For Work In Restricted Working Space, Add	*3.30*	
23 31 13 13-0281	LF	4" x 8", 22 Gauge Galvanized Steel Duct	15.91	7.91
		For Flat Oval, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.95*	
23 31 13 13-0282	LF	4" x 10", 22 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0283	LF	4" x 12", 22 Gauge Galvanized Steel Duct	21.20	10.54
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.27*	
23 31 13 13-0284	LF	4" x 14", 22 Gauge Galvanized Steel Duct	23.86	11.86
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.93*	
23 31 13 13-0285	LF	4" x 16", 22 Gauge Galvanized Steel Duct	26.51	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0286	LF	6" x 6", 22 Gauge Galvanized Steel Duct	15.91	7.91
		For Flat Oval, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.95*	
23 31 13 13-0287	LF	6" x 8", 22 Gauge Galvanized Steel Duct	18.56	9.22
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0288	LF	6" x 10", 22 Gauge Galvanized Steel Duct	21.20	10.54
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.27*	
23 31 13 13-0289	LF	6" x 12", 22 Gauge Galvanized Steel Duct	23.86	11.86
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.93*	
23 31 13 13-0290	LF	6" x 14", 22 Gauge Galvanized Steel Duct	26.51	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0291	LF	6" x 16", 22 Gauge Galvanized Steel Duct	29.16	14.49
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.25*	
23 31 13 13-0292	LF	8" x 8", 22 Gauge Galvanized Steel Duct	21.20	10.54
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*5.27*	
23 31 13 13-0293	LF	8" x 10", 22 Gauge Galvanized Steel Duct	23.86	11.86
		For Flat Oval, Add	*0.61*	
		For Work In Restricted Working Space, Add	*5.93*	
23 31 13 13-0294	LF	8" x 12", 22 Gauge Galvanized Steel Duct	26.51	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0295	LF	8" x 14", 22 Gauge Galvanized Steel Duct	29.16	14.49
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0296	LF	8" x 16", 22 Gauge Galvanized Steel Duct	31.80	15.82
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*7.91*	
23 31 13 13-0297	LF	8" x 18", 22 Gauge Galvanized Steel Duct	34.47	17.14
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*8.57*	
23 31 13 13-0298	LF	8" x 20", 22 Gauge Galvanized Steel Duct	37.11	18.45
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0299	LF	8" x 22", 22 Gauge Galvanized Steel Duct	39.77	19.77
		For Flat Oval, Add	*1.02*	
		For Work In Restricted Working Space, Add	*9.89*	
23 31 13 13-0300	LF	8" x 24", 22 Gauge Galvanized Steel Duct	42.41	21.09
		For Flat Oval, Add	*1.09*	
		For Work In Restricted Working Space, Add	*10.54*	
23 31 13 13-0301	LF	10" x 10", 22 Gauge Galvanized Steel Duct	26.51	13.18
		For Flat Oval, Add	*0.68*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0302	LF	10" x 12", 22 Gauge Galvanized Steel Duct	29.16	14.49
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*7.25*	
23 31 13 13-0303	LF	10" x 14", 22 Gauge Galvanized Steel Duct	31.80	15.82
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*7.91*	
23 31 13 13-0304	LF	10" x 16", 22 Gauge Galvanized Steel Duct	34.47	17.14
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*8.57*	
23 31 13 13-0305	LF	10" x 18", 22 Gauge Galvanized Steel Duct	37.11	18.45
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0306	LF	10" x 20", 22 Gauge Galvanized Steel Duct	39.77	19.77
		For Flat Oval, Add	*1.02*	
		For Work In Restricted Working Space, Add	*9.89*	
23 31 13 13-0307	LF	10" x 22", 22 Gauge Galvanized Steel Duct	42.41	21.09
		For Flat Oval, Add	*1.09*	
		For Work In Restricted Working Space, Add	*10.54*	
23 31 13 13-0308	LF	10" x 24", 22 Gauge Galvanized Steel Duct	45.06	22.41
		For Flat Oval, Add	*1.16*	
		For Work In Restricted Working Space, Add	*11.20*	
23 31 13 13-0309	LF	10" x 26", 22 Gauge Galvanized Steel Duct	47.73	23.73
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.87*	
23 31 13 13-0310	LF	10" x 28", 22 Gauge Galvanized Steel Duct	50.37	25.04
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.52*	
23 31 13 13-0311	LF	10" x 30", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0312	LF	10" x 32", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0313	LF	12" x 12", 22 Gauge Galvanized Steel Duct	31.80	15.82
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*7.91*	
23 31 13 13-0314	LF	12" x 14", 22 Gauge Galvanized Steel Duct	34.47	17.14
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*8.57*	
23 31 13 13-0315	LF	12" x 16", 22 Gauge Galvanized Steel Duct	37.11	18.45
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0316	LF	12" x 18", 22 Gauge Galvanized Steel Duct	39.77	19.77
		For Flat Oval, Add	*1.02*	
		For Work In Restricted Working Space, Add	*9.89*	
23 31 13 13-0317	LF	12" x 20", 22 Gauge Galvanized Steel Duct	42.41	21.09
		For Flat Oval, Add	*1.09*	
		For Work In Restricted Working Space, Add	*10.54*	
23 31 13 13-0318	LF	12" x 22", 22 Gauge Galvanized Steel Duct	45.06	22.41
		For Flat Oval, Add	*1.16*	
		For Work In Restricted Working Space, Add	*11.20*	
23 31 13 13-0319	LF	12" x 24", 22 Gauge Galvanized Steel Duct	47.73	23.73
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.87*	
23 31 13 13-0320	LF	12" x 26", 22 Gauge Galvanized Steel Duct	50.37	25.04
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.52*	
23 31 13 13-0321	LF	12" x 28", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0322	LF	12" x 30", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0323	LF	12" x 32", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0324	LF	12" x 34", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0325	LF	12" x 36", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0326	LF	14" x 14", 22 Gauge Galvanized Steel Duct	37.11	18.45
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0327	LF	14" x 16", 22 Gauge Galvanized Steel Duct	39.77	19.77
		For Flat Oval, Add	*1.02*	
		For Work In Restricted Working Space, Add	*9.89*	
23 31 13 13-0328	LF	14" x 18", 22 Gauge Galvanized Steel Duct	42.41	21.09
		For Flat Oval, Add	*1.09*	
		For Work In Restricted Working Space, Add	*10.54*	
23 31 13 13-0329	LF	14" x 20", 22 Gauge Galvanized Steel Duct	45.06	22.41
		For Flat Oval, Add	*1.16*	
		For Work In Restricted Working Space, Add	*11.20*	
23 31 13 13-0330	LF	14" x 22", 22 Gauge Galvanized Steel Duct	47.73	23.73
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.87*	
23 31 13 13-0331	LF	14" x 24", 22 Gauge Galvanized Steel Duct	50.37	25.04
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.52*	
23 31 13 13-0332	LF	14" x 26", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0333	LF	14" x 28", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0334	LF	14" x 30", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	
23 31 13 13-0335	LF	14" x 32", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0336	LF	14" x 34", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0337	LF	14" x 36", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0338	LF	16" x 16", 22 Gauge Galvanized Steel Duct	42.41	21.09
		For Flat Oval, Add	*1.09*	
		For Work In Restricted Working Space, Add	*10.54*	
23 31 13 13-0339	LF	16" x 18", 22 Gauge Galvanized Steel Duct	45.06	22.41
		For Flat Oval, Add	*1.16*	
		For Work In Restricted Working Space, Add	*11.20*	
23 31 13 13-0340	LF	16" x 20", 22 Gauge Galvanized Steel Duct	47.73	23.73
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.87*	
23 31 13 13-0341	LF	16" x 22", 22 Gauge Galvanized Steel Duct	50.37	25.04
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.52*	
23 31 13 13-0342	LF	16" x 24", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0343	LF	16" x 26", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0344	LF	16" x 28", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	
23 31 13 13-0345	LF	16" x 30", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0346	LF	16" x 32", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0347	LF	16" x 34", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0348	LF	16" x 36", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0349	LF	16" x 38", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0350	LF	16" x 40", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0351	LF	16" x 42", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0352	LF	16" x 44", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0353	LF	18" x 18", 22 Gauge Galvanized Steel Duct	47.73	23.73
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*11.87*	
23 31 13 13-0354	LF	18" x 20", 22 Gauge Galvanized Steel Duct	50.37	25.04
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*12.52*	
23 31 13 13-0355	LF	18" x 22", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0356	LF	18" x 24", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0357	LF	18" x 26", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	
23 31 13 13-0358	LF	18" x 28", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0359	LF	18" x 30", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0360	LF	18" x 32", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0361	LF	18" x 34", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0362	LF	18" x 36", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0363	LF	18" x 38", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0364	LF	18" x 40", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0365	LF	18" x 42", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0366	LF	18" x 44", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0367	LF	18" x 46", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0368	LF	20" x 20", 22 Gauge Galvanized Steel Duct	53.02	26.35
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0369	LF	20" x 22", 22 Gauge Galvanized Steel Duct	55.67	27.68
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*13.84*	
23 31 13 13-0370	LF	20" x 24", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	
23 31 13 13-0371	LF	20" x 26", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0372	LF	20" x 28", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0373	LF	20" x 30", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0374	LF	20" x 32", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0375	LF	20" x 34", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0376	LF	20" x 36", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0377	LF	20" x 38", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0378	LF	20" x 40", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0379	LF	20" x 42", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0380	LF	20" x 44", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0381	LF	20" x 46", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0382	LF	20" x 48", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0383	LF	22" x 22", 22 Gauge Galvanized Steel Duct	58.33	29.00
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*14.50*	
23 31 13 13-0384	LF	22" x 24", 22 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0385	LF	22" x 26", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0386	LF	22" x 28", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0387	LF	22" x 30", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0388	LF	22" x 32", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0389	LF	22" x 34", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0390	LF	22" x 36", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0391	LF	22" x 38", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0392	LF	22" x 40", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0393	LF	22" x 42", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0394	LF	22" x 44", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0395	LF	22" x 46", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0396	LF	22" x 48", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0397	LF	24" x 24", 22 Gauge Galvanized Steel Duct	63.62	31.63
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*15.82*	
23 31 13 13-0398	LF	24" x 26", 22 Gauge Galvanized Steel Duct	66.27	32.95
		For Flat Oval, Add	*1.70*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0399	LF	24" x 28", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0400	LF	24" x 30", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0401	LF	24" x 32", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0402	LF	24" x 34", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0403	LF	24" x 36", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0404	LF	24" x 38", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0405	LF	24" x 40", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0406	LF	24" x 42", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0407	LF	24" x 44", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0408	LF	24" x 46", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0409	LF	24" x 48", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0410	LF	26" x 26", 22 Gauge Galvanized Steel Duct	68.92	34.27
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.13*	
23 31 13 13-0411	LF	26" x 28", 22 Gauge Galvanized Steel Duct	71.58	35.59
		For Flat Oval, Add	*1.84*	
		For Work In Restricted Working Space, Add	*17.79*	
23 31 13 13-0412	LF	26" x 30", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0413	LF	26" x 32", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0414	LF	26" x 34", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0415	LF	26" x 36", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0416	LF	26" x 38", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0417	LF	26" x 40", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0418	LF	26" x 42", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0419	LF	26" x 44", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0420	LF	26" x 46", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0421	LF	26" x 48", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0422	LF	28" x 28", 22 Gauge Galvanized Steel Duct	74.22	36.90
		For Flat Oval, Add	*1.91*	
		For Work In Restricted Working Space, Add	*18.45*	
23 31 13 13-0423	LF	28" x 30", 22 Gauge Galvanized Steel Duct	76.88	38.22
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0424	LF	28" x 32", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0425	LF	28" x 34", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0426	LF	28" x 36", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0427	LF	28" x 38", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0428	LF	28" x 40", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0429	LF	28" x 42", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0430	LF	28" x 44", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0431	LF	28" x 46", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0432	LF	28" x 48", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0433	LF	30" x 30", 22 Gauge Galvanized Steel Duct	79.53	39.55
		For Flat Oval, Add	*2.04*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0434	LF	30" x 32", 22 Gauge Galvanized Steel Duct	82.17	40.85
		For Flat Oval, Add	*2.11*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0435	LF	30" x 34", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0436	LF	30" x 36", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0437	LF	30" x 38", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0438	LF	30" x 40", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0439	LF	30" x 42", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0440	LF	30" x 44", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0441	LF	30" x 46", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0442	LF	30" x 48", 22 Gauge Galvanized Steel Duct	103.39	51.41
		For Flat Oval, Add	*2.66*	
		For Work In Restricted Working Space, Add	*25.70*	
23 31 13 13-0443	LF	32" x 32", 22 Gauge Galvanized Steel Duct	84.84	42.17
		For Flat Oval, Add	*2.18*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0444	LF	32" x 34", 22 Gauge Galvanized Steel Duct	87.47	43.49
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.74*	
23 31 13 13-0445	LF	32" x 36", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0446	LF	32" x 38", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0447	LF	32" x 40", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0448	LF	32" x 42", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0449	LF	32" x 44", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0450	LF	32" x 46", 22 Gauge Galvanized Steel Duct	103.39	51.41
		For Flat Oval, Add	*2.66*	
		For Work In Restricted Working Space, Add	*25.70*	
23 31 13 13-0451	LF	32" x 48", 22 Gauge Galvanized Steel Duct	106.04	52.72
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.36*	
23 31 13 13-0452	LF	34" x 34", 22 Gauge Galvanized Steel Duct	90.13	44.81
		For Flat Oval, Add	*2.32*	
		For Work In Restricted Working Space, Add	*22.40*	
23 31 13 13-0453	LF	34" x 36", 22 Gauge Galvanized Steel Duct	92.79	46.13
		For Flat Oval, Add	*2.39*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0454	LF	34" x 38", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0455	LF	34" x 40", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0456	LF	34" x 42", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0457	LF	34" x 44", 22 Gauge Galvanized Steel Duct	103.39	51.41
		For Flat Oval, Add	*2.66*	
		For Work In Restricted Working Space, Add	*25.70*	
23 31 13 13-0458	LF	34" x 46", 22 Gauge Galvanized Steel Duct	106.04	52.72
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.36*	
23 31 13 13-0459	LF	34" x 48", 22 Gauge Galvanized Steel Duct	108.69	54.04
		For Flat Oval, Add	*2.79*	
		For Work In Restricted Working Space, Add	*27.02*	
23 31 13 13-0460	LF	36" x 36", 22 Gauge Galvanized Steel Duct	95.44	47.45
		For Flat Oval, Add	*2.45*	
		For Work In Restricted Working Space, Add	*23.72*	
23 31 13 13-0461	LF	36" x 38", 22 Gauge Galvanized Steel Duct	98.09	48.76
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*24.38*	
23 31 13 13-0462	LF	36" x 40", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0463	LF	36" x 42", 22 Gauge Galvanized Steel Duct	103.39	51.41
		For Flat Oval, Add	*2.66*	
		For Work In Restricted Working Space, Add	*25.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0464	LF	36" x 44", 22 Gauge Galvanized Steel Duct	106.04	52.72
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.36*	
23 31 13 13-0465	LF	36" x 46", 22 Gauge Galvanized Steel Duct	108.69	54.04
		For Flat Oval, Add	*2.79*	
		For Work In Restricted Working Space, Add	*27.02*	
23 31 13 13-0466	LF	36" x 48", 22 Gauge Galvanized Steel Duct	111.33	55.36
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*27.68*	
23 31 13 13-0467	LF	38" x 38", 22 Gauge Galvanized Steel Duct	100.73	50.08
		For Flat Oval, Add	*2.59*	
		For Work In Restricted Working Space, Add	*25.04*	
23 31 13 13-0468	LF	38" x 40", 22 Gauge Galvanized Steel Duct	103.39	51.41
		For Flat Oval, Add	*2.66*	
		For Work In Restricted Working Space, Add	*25.70*	
23 31 13 13-0469	LF	38" x 42", 22 Gauge Galvanized Steel Duct	106.04	52.72
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.36*	
23 31 13 13-0470	LF	38" x 44", 22 Gauge Galvanized Steel Duct	108.69	54.04
		For Flat Oval, Add	*2.79*	
		For Work In Restricted Working Space, Add	*27.02*	
23 31 13 13-0471	LF	38" x 46", 22 Gauge Galvanized Steel Duct	111.33	55.36
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*27.68*	
23 31 13 13-0472	LF	38" x 48", 22 Gauge Galvanized Steel Duct	114.00	56.66
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.34*	
23 31 13 13-0473	LF	38" x 50", 22 Gauge Galvanized Steel Duct	116.64	57.99
		For Flat Oval, Add	*3.00*	
		For Work In Restricted Working Space, Add	*29.00*	
23 31 13 13-0474	LF	40" x 40", 22 Gauge Galvanized Steel Duct	106.04	52.72
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.36*	
23 31 13 13-0475	LF	40" x 42", 22 Gauge Galvanized Steel Duct	108.69	54.04
		For Flat Oval, Add	*2.79*	
		For Work In Restricted Working Space, Add	*27.02*	
23 31 13 13-0476	LF	40" x 44", 22 Gauge Galvanized Steel Duct	111.33	55.36
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*27.68*	
23 31 13 13-0477	LF	40" x 46", 22 Gauge Galvanized Steel Duct	114.00	56.66
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.34*	
23 31 13 13-0478	LF	40" x 48", 22 Gauge Galvanized Steel Duct	116.64	57.99
		For Flat Oval, Add	*3.00*	
		For Work In Restricted Working Space, Add	*29.00*	
23 31 13 13-0479	LF	40" x 50", 22 Gauge Galvanized Steel Duct	119.30	59.31
		For Flat Oval, Add	*3.07*	
		For Work In Restricted Working Space, Add	*29.66*	
23 31 13 13-0480	LF	40" x 52", 22 Gauge Galvanized Steel Duct	121.94	60.62
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.31*	
23 31 13 13-0481	LF	40" x 54", 22 Gauge Galvanized Steel Duct	124.59	61.94
		For Flat Oval, Add	*3.20*	
		For Work In Restricted Working Space, Add	*30.97*	
23 31 13 13-0482	LF	42" x 42", 22 Gauge Galvanized Steel Duct	111.33	55.36
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*27.68*	
23 31 13 13-0483	LF	42" x 44", 22 Gauge Galvanized Steel Duct	114.00	56.66
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.34*	
23 31 13 13-0484	LF	42" x 46", 22 Gauge Galvanized Steel Duct	116.64	57.99
		For Flat Oval, Add	*3.00*	
		For Work In Restricted Working Space, Add	*29.00*	
23 31 13 13-0485	LF	42" x 48", 22 Gauge Galvanized Steel Duct	119.30	59.31
		For Flat Oval, Add	*3.07*	
		For Work In Restricted Working Space, Add	*29.66*	
23 31 13 13-0486	LF	42" x 50", 22 Gauge Galvanized Steel Duct	121.94	60.62
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.31*	
23 31 13 13-0487	LF	42" x 52", 22 Gauge Galvanized Steel Duct	124.59	61.94
		For Flat Oval, Add	*3.20*	
		For Work In Restricted Working Space, Add	*30.97*	
23 31 13 13-0488	LF	42" x 54", 22 Gauge Galvanized Steel Duct	127.24	63.26
		For Flat Oval, Add	*3.27*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0489	LF	44" x 44", 22 Gauge Galvanized Steel Duct	116.64	57.99
		For Flat Oval, Add	*3.00*	
		For Work In Restricted Working Space, Add	*29.00*	
23 31 13 13-0490	LF	44" x 46", 22 Gauge Galvanized Steel Duct	119.30	59.31
		For Flat Oval, Add	*3.07*	
		For Work In Restricted Working Space, Add	*29.66*	
23 31 13 13-0491	LF	44" x 48", 22 Gauge Galvanized Steel Duct	121.94	60.62
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0492	LF	44" x 50", 22 Gauge Galvanized Steel Duct	124.59	61.94
		For Flat Oval, Add	*3.20*	
		For Work In Restricted Working Space, Add	*30.97*	
23 31 13 13-0493	LF	44" x 52", 22 Gauge Galvanized Steel Duct	127.24	63.26
		For Flat Oval, Add	*3.27*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0494	LF	44" x 54", 22 Gauge Galvanized Steel Duct	129.90	64.58
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0495	LF	46" x 46", 22 Gauge Galvanized Steel Duct	121.94	60.62
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.31*	
23 31 13 13-0496	LF	46" x 48", 22 Gauge Galvanized Steel Duct	124.59	61.94
		For Flat Oval, Add	*3.20*	
		For Work In Restricted Working Space, Add	*30.97*	
23 31 13 13-0497	LF	46" x 50", 22 Gauge Galvanized Steel Duct	127.24	63.26
		For Flat Oval, Add	*3.27*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0498	LF	46" x 52", 22 Gauge Galvanized Steel Duct	129.90	64.58
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0499	LF	46" x 54", 22 Gauge Galvanized Steel Duct	132.54	65.90
		For Flat Oval, Add	*3.41*	
		For Work In Restricted Working Space, Add	*32.95*	
23 31 13 13-0500	LF	48" x 48", 22 Gauge Galvanized Steel Duct	127.24	63.26
		For Flat Oval, Add	*3.27*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0501	LF	48" x 50", 22 Gauge Galvanized Steel Duct	129.90	64.58
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0502	LF	48" x 52", 22 Gauge Galvanized Steel Duct	132.54	65.90
		For Flat Oval, Add	*3.41*	
		For Work In Restricted Working Space, Add	*32.95*	
23 31 13 13-0503	LF	48" x 54", 22 Gauge Galvanized Steel Duct	135.20	67.22
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*33.61*	
23 31 13 13-0504	LF	50" x 50", 22 Gauge Galvanized Steel Duct	132.54	65.90
		For Flat Oval, Add	*3.41*	
		For Work In Restricted Working Space, Add	*32.95*	
23 31 13 13-0505	LF	50" x 52", 22 Gauge Galvanized Steel Duct	135.20	67.22
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*33.61*	
23 31 13 13-0506	LF	50" x 54", 22 Gauge Galvanized Steel Duct	137.86	68.53
		For Flat Oval, Add	*3.54*	
		For Work In Restricted Working Space, Add	*34.27*	
23 31 13 13-0507	LF	52" x 52", 22 Gauge Galvanized Steel Duct	137.86	68.53
		For Flat Oval, Add	*3.54*	
		For Work In Restricted Working Space, Add	*34.27*	
23 31 13 13-0508	LF	52" x 54", 22 Gauge Galvanized Steel Duct	140.50	69.86
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*34.93*	
23 31 13 13-0509	LF	54" x 54", 22 Gauge Galvanized Steel Duct	143.15	71.18
		For Flat Oval, Add	*3.68*	
		For Work In Restricted Working Space, Add	*35.59*	

23 31 13 13-0510 20 Gauge Galvanized Steel Duct *(23 31 13 13-0011)*

23 31 13 13-0511	LF	4" x 4", 20 Gauge Galvanized Steel Duct	12.49	6.21
		For Flat Oval, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.11*	
23 31 13 13-0512	LF	4" x 6", 20 Gauge Galvanized Steel Duct	15.61	7.76
		For Flat Oval, Add	*0.40*	
		For Work In Restricted Working Space, Add	*3.88*	
23 31 13 13-0513	LF	4" x 8", 20 Gauge Galvanized Steel Duct	18.74	9.31
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.66*	
23 31 13 13-0514	LF	4" x 10", 20 Gauge Galvanized Steel Duct	21.85	10.87
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.43*	
23 31 13 13-0515	LF	4" x 12", 20 Gauge Galvanized Steel Duct	24.97	12.42
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.21*	
23 31 13 13-0516	LF	4" x 14", 20 Gauge Galvanized Steel Duct	28.10	13.97
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.98*	
23 31 13 13-0517	LF	4" x 16", 20 Gauge Galvanized Steel Duct	31.22	15.53
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0518	LF	6" x 6", 20 Gauge Galvanized Steel Duct	18.74	9.31
		For Flat Oval, Add	*0.48*	
		For Work In Restricted Working Space, Add	*4.66*	
23 31 13 13-0519	LF	6" x 8", 20 Gauge Galvanized Steel Duct	21.85	10.87
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*5.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0520	LF	6" x 10", 20 Gauge Galvanized Steel Duct	24.97	12.42
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.21*	
23 31 13 13-0521	LF	6" x 12", 20 Gauge Galvanized Steel Duct	28.10	13.97
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.98*	
23 31 13 13-0522	LF	6" x 14", 20 Gauge Galvanized Steel Duct	31.22	15.53
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0523	LF	6" x 16", 20 Gauge Galvanized Steel Duct	34.35	17.08
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.54*	
23 31 13 13-0524	LF	8" x 8", 20 Gauge Galvanized Steel Duct	24.97	12.42
		For Flat Oval, Add	*0.64*	
		For Work In Restricted Working Space, Add	*6.21*	
23 31 13 13-0525	LF	8" x 10", 20 Gauge Galvanized Steel Duct	28.10	13.97
		For Flat Oval, Add	*0.72*	
		For Work In Restricted Working Space, Add	*6.98*	
23 31 13 13-0526	LF	8" x 12", 20 Gauge Galvanized Steel Duct	31.22	15.53
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0527	LF	8" x 14", 20 Gauge Galvanized Steel Duct	34.35	17.08
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.54*	
23 31 13 13-0528	LF	8" x 16", 20 Gauge Galvanized Steel Duct	37.47	18.63
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*9.32*	
23 31 13 13-0529	LF	8" x 18", 20 Gauge Galvanized Steel Duct	40.59	20.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0530	LF	8" x 20", 20 Gauge Galvanized Steel Duct	43.72	21.73
		For Flat Oval, Add	*1.13*	
		For Work In Restricted Working Space, Add	*10.87*	
23 31 13 13-0531	LF	8" x 22", 20 Gauge Galvanized Steel Duct	46.83	23.28
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0532	LF	8" x 24", 20 Gauge Galvanized Steel Duct	49.96	24.83
		For Flat Oval, Add	*1.28*	
		For Work In Restricted Working Space, Add	*12.42*	
23 31 13 13-0533	LF	10" x 10", 20 Gauge Galvanized Steel Duct	31.22	15.53
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0534	LF	10" x 12", 20 Gauge Galvanized Steel Duct	34.35	17.08
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*8.54*	
23 31 13 13-0535	LF	10" x 14", 20 Gauge Galvanized Steel Duct	37.47	18.63
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*9.32*	
23 31 13 13-0536	LF	10" x 16", 20 Gauge Galvanized Steel Duct	40.59	20.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0537	LF	10" x 18", 20 Gauge Galvanized Steel Duct	43.72	21.73
		For Flat Oval, Add	*1.13*	
		For Work In Restricted Working Space, Add	*10.87*	
23 31 13 13-0538	LF	10" x 20", 20 Gauge Galvanized Steel Duct	46.83	23.28
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0539	LF	10" x 22", 20 Gauge Galvanized Steel Duct	49.96	24.83
		For Flat Oval, Add	*1.28*	
		For Work In Restricted Working Space, Add	*12.42*	
23 31 13 13-0540	LF	10" x 24", 20 Gauge Galvanized Steel Duct	53.09	26.39
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*13.20*	
23 31 13 13-0541	LF	10" x 26", 20 Gauge Galvanized Steel Duct	56.20	27.94
		For Flat Oval, Add	*1.44*	
		For Work In Restricted Working Space, Add	*13.97*	
23 31 13 13-0542	LF	10" x 28", 20 Gauge Galvanized Steel Duct	59.32	29.50
		For Flat Oval, Add	*1.53*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0543	LF	10" x 30", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0544	LF	10" x 32", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	
23 31 13 13-0545	LF	12" x 12", 20 Gauge Galvanized Steel Duct	37.47	18.63
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*9.32*	
23 31 13 13-0546	LF	12" x 14", 20 Gauge Galvanized Steel Duct	40.59	20.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0547	LF	12" x 16", 20 Gauge Galvanized Steel Duct	43.72	21.73
		For Flat Oval, Add	*1.13*	
		For Work In Restricted Working Space, Add	*10.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0548	LF	12" x 18", 20 Gauge Galvanized Steel Duct	46.83	23.28
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0549	LF	12" x 20", 20 Gauge Galvanized Steel Duct	49.96	24.83
		For Flat Oval, Add	*1.28*	
		For Work In Restricted Working Space, Add	*12.42*	
23 31 13 13-0550	LF	12" x 22", 20 Gauge Galvanized Steel Duct	53.09	26.39
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*13.20*	
23 31 13 13-0551	LF	12" x 24", 20 Gauge Galvanized Steel Duct	56.20	27.94
		For Flat Oval, Add	*1.44*	
		For Work In Restricted Working Space, Add	*13.97*	
23 31 13 13-0552	LF	12" x 26", 20 Gauge Galvanized Steel Duct	59.32	29.50
		For Flat Oval, Add	*1.53*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0553	LF	12" x 28", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0554	LF	12" x 30", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	
23 31 13 13-0555	LF	12" x 32", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0556	LF	12" x 34", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	
23 31 13 13-0557	LF	12" x 36", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0558	LF	14" x 14", 20 Gauge Galvanized Steel Duct	43.72	21.73
		For Flat Oval, Add	*1.13*	
		For Work In Restricted Working Space, Add	*10.87*	
23 31 13 13-0559	LF	14" x 16", 20 Gauge Galvanized Steel Duct	46.83	23.28
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0560	LF	14" x 18", 20 Gauge Galvanized Steel Duct	49.96	24.83
		For Flat Oval, Add	*1.28*	
		For Work In Restricted Working Space, Add	*12.42*	
23 31 13 13-0561	LF	14" x 20", 20 Gauge Galvanized Steel Duct	53.09	26.39
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*13.20*	
23 31 13 13-0562	LF	14" x 22", 20 Gauge Galvanized Steel Duct	56.20	27.94
		For Flat Oval, Add	*1.44*	
		For Work In Restricted Working Space, Add	*13.97*	
23 31 13 13-0563	LF	14" x 24", 20 Gauge Galvanized Steel Duct	59.32	29.50
		For Flat Oval, Add	*1.53*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0564	LF	14" x 26", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0565	LF	14" x 28", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	
23 31 13 13-0566	LF	14" x 30", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0567	LF	14" x 32", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	
23 31 13 13-0568	LF	14" x 34", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0569	LF	14" x 36", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0570	LF	16" x 16", 20 Gauge Galvanized Steel Duct	49.96	24.83
		For Flat Oval, Add	*1.28*	
		For Work In Restricted Working Space, Add	*12.42*	
23 31 13 13-0571	LF	16" x 18", 20 Gauge Galvanized Steel Duct	53.09	26.39
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*13.20*	
23 31 13 13-0572	LF	16" x 20", 20 Gauge Galvanized Steel Duct	56.20	27.94
		For Flat Oval, Add	*1.44*	
		For Work In Restricted Working Space, Add	*13.97*	
23 31 13 13-0573	LF	16" x 22", 20 Gauge Galvanized Steel Duct	59.32	29.50
		For Flat Oval, Add	*1.53*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0574	LF	16" x 24", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0575	LF	16" x 26", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0576	LF	16" x 28", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0577	LF	16" x 30", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	
23 31 13 13-0578	LF	16" x 32", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0579	LF	16" x 34", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0580	LF	16" x 36", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0581	LF	16" x 38", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0582	LF	16" x 40", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0583	LF	16" x 42", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0584	LF	16" x 44", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0585	LF	18" x 18", 20 Gauge Galvanized Steel Duct	56.20	27.94
		For Flat Oval, Add	*1.44*	
		For Work In Restricted Working Space, Add	*13.97*	
23 31 13 13-0586	LF	18" x 20", 20 Gauge Galvanized Steel Duct	59.32	29.50
		For Flat Oval, Add	*1.53*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0587	LF	18" x 22", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0588	LF	18" x 24", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	
23 31 13 13-0589	LF	18" x 26", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0590	LF	18" x 28", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	
23 31 13 13-0591	LF	18" x 30", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0592	LF	18" x 32", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0593	LF	18" x 34", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0594	LF	18" x 36", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0595	LF	18" x 38", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0596	LF	18" x 40", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0597	LF	18" x 42", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0598	LF	18" x 44", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0599	LF	18" x 46", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0600	LF	20" x 20", 20 Gauge Galvanized Steel Duct	62.44	31.05
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 13-0601	LF	20" x 22", 20 Gauge Galvanized Steel Duct	65.57	32.60
		For Flat Oval, Add	*1.69*	
		For Work In Restricted Working Space, Add	*16.30*	
23 31 13 13-0602	LF	20" x 24", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0603	LF	20" x 26", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0604	LF	20" x 28", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0605	LF	20" x 30", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0606	LF	20" x 32", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0607	LF	20" x 34", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0608	LF	20" x 36", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0609	LF	20" x 38", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0610	LF	20" x 40", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0611	LF	20" x 42", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0612	LF	20" x 44", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0613	LF	20" x 46", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0614	LF	20" x 48", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0615	LF	22" x 22", 20 Gauge Galvanized Steel Duct	68.70	34.15
		For Flat Oval, Add	*1.77*	
		For Work In Restricted Working Space, Add	*17.08*	
23 31 13 13-0616	LF	22" x 24", 20 Gauge Galvanized Steel Duct	71.81	35.70
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*17.85*	
23 31 13 13-0617	LF	22" x 26", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0618	LF	22" x 28", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0619	LF	22" x 30", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0620	LF	22" x 32", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0621	LF	22" x 34", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0622	LF	22" x 36", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0623	LF	22" x 38", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0624	LF	22" x 40", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0625	LF	22" x 42", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0626	LF	22" x 44", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0627	LF	22" x 46", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0628	LF	22" x 48", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0629	LF	24" x 24", 20 Gauge Galvanized Steel Duct	74.93	37.26
		For Flat Oval, Add	*1.93*	
		For Work In Restricted Working Space, Add	*18.63*	
23 31 13 13-0630	LF	24" x 26", 20 Gauge Galvanized Steel Duct	78.05	38.81
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*19.40*	
23 31 13 13-0631	LF	24" x 28", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0632	LF	24" x 30", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0633	LF	24" x 32", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0634	LF	24" x 34", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0635	LF	24" x 36", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0636	LF	24" x 38", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0637	LF	24" x 40", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0638	LF	24" x 42", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0639	LF	24" x 44", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0640	LF	24" x 46", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0641	LF	24" x 48", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0642	LF	26" x 26", 20 Gauge Galvanized Steel Duct	81.18	40.36
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0643	LF	26" x 28", 20 Gauge Galvanized Steel Duct	84.31	41.91
		For Flat Oval, Add	*2.17*	
		For Work In Restricted Working Space, Add	*20.96*	
23 31 13 13-0644	LF	26" x 30", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0645	LF	26" x 32", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0646	LF	26" x 34", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0647	LF	26" x 36", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0648	LF	26" x 38", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0649	LF	26" x 40", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0650	LF	26" x 42", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0651	LF	26" x 44", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0652	LF	26" x 46", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0653	LF	26" x 48", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	
23 31 13 13-0654	LF	28" x 28", 20 Gauge Galvanized Steel Duct	87.42	43.46
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.73*	
23 31 13 13-0655	LF	28" x 30", 20 Gauge Galvanized Steel Duct	90.55	45.01
		For Flat Oval, Add	*2.33*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 13-0656	LF	28" x 32", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0657	LF	28" x 34", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0658	LF	28" x 36", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0659	LF	28" x 38", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0660	LF	28" x 40", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0661	LF	28" x 42", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0662	LF	28" x 44", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0663	LF	28" x 46", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	
23 31 13 13-0664	LF	28" x 48", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0665	LF	30" x 30", 20 Gauge Galvanized Steel Duct	93.68	46.57
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*23.29*	
23 31 13 13-0666	LF	30" x 32", 20 Gauge Galvanized Steel Duct	96.79	48.13
		For Flat Oval, Add	*2.49*	
		For Work In Restricted Working Space, Add	*24.06*	
23 31 13 13-0667	LF	30" x 34", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0668	LF	30" x 36", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0669	LF	30" x 38", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0670	LF	30" x 40", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0671	LF	30" x 42", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0672	LF	30" x 44", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	
23 31 13 13-0673	LF	30" x 46", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0674	LF	30" x 48", 20 Gauge Galvanized Steel Duct	121.77	60.54
		For Flat Oval, Add	*3.13*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0675	LF	32" x 32", 20 Gauge Galvanized Steel Duct	99.92	49.68
		For Flat Oval, Add	*2.57*	
		For Work In Restricted Working Space, Add	*24.84*	
23 31 13 13-0676	LF	32" x 34", 20 Gauge Galvanized Steel Duct	103.03	51.23
		For Flat Oval, Add	*2.65*	
		For Work In Restricted Working Space, Add	*25.61*	
23 31 13 13-0677	LF	32" x 36", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0678	LF	32" x 38", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0679	LF	32" x 40", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0680	LF	32" x 42", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	
23 31 13 13-0681	LF	32" x 44", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0682	LF	32" x 46", 20 Gauge Galvanized Steel Duct	121.77	60.54
		For Flat Oval, Add	*3.13*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0683	LF	32" x 48", 20 Gauge Galvanized Steel Duct	124.90	62.09
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*31.05*	
23 31 13 13-0684	LF	34" x 34", 20 Gauge Galvanized Steel Duct	106.15	52.78
		For Flat Oval, Add	*2.73*	
		For Work In Restricted Working Space, Add	*26.39*	
23 31 13 13-0685	LF	34" x 36", 20 Gauge Galvanized Steel Duct	109.28	54.33
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*27.17*	
23 31 13 13-0686	LF	34" x 38", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0687	LF	34" x 40", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0688	LF	34" x 42", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0689	LF	34" x 44", 20 Gauge Galvanized Steel Duct	121.77	60.54
		For Flat Oval, Add	*3.13*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0690	LF	34" x 46", 20 Gauge Galvanized Steel Duct	124.90	62.09
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*31.05*	
23 31 13 13-0691	LF	34" x 48", 20 Gauge Galvanized Steel Duct	128.02	63.64
		For Flat Oval, Add	*3.29*	
		For Work In Restricted Working Space, Add	*31.82*	
23 31 13 13-0692	LF	36" x 36", 20 Gauge Galvanized Steel Duct	112.40	55.88
		For Flat Oval, Add	*2.89*	
		For Work In Restricted Working Space, Add	*27.94*	
23 31 13 13-0693	LF	36" x 38", 20 Gauge Galvanized Steel Duct	115.53	57.44
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*28.72*	
23 31 13 13-0694	LF	36" x 40", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0695	LF	36" x 42", 20 Gauge Galvanized Steel Duct	121.77	60.54
		For Flat Oval, Add	*3.13*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0696	LF	36" x 44", 20 Gauge Galvanized Steel Duct	124.90	62.09
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*31.05*	
23 31 13 13-0697	LF	36" x 46", 20 Gauge Galvanized Steel Duct	128.02	63.64
		For Flat Oval, Add	*3.29*	
		For Work In Restricted Working Space, Add	*31.82*	
23 31 13 13-0698	LF	36" x 48", 20 Gauge Galvanized Steel Duct	131.15	65.19
		For Flat Oval, Add	*3.37*	
		For Work In Restricted Working Space, Add	*32.60*	
23 31 13 13-0699	LF	38" x 38", 20 Gauge Galvanized Steel Duct	118.64	58.99
		For Flat Oval, Add	*3.05*	
		For Work In Restricted Working Space, Add	*29.49*	
23 31 13 13-0700	LF	38" x 40", 20 Gauge Galvanized Steel Duct	121.77	60.54
		For Flat Oval, Add	*3.13*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0701	LF	38" x 42", 20 Gauge Galvanized Steel Duct	124.90	62.09
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*31.05*	
23 31 13 13-0702	LF	38" x 44", 20 Gauge Galvanized Steel Duct	128.02	63.64
		For Flat Oval, Add	*3.29*	
		For Work In Restricted Working Space, Add	*31.82*	
23 31 13 13-0703	LF	38" x 46", 20 Gauge Galvanized Steel Duct	131.15	65.19
		For Flat Oval, Add	*3.37*	
		For Work In Restricted Working Space, Add	*32.60*	
23 31 13 13-0704	LF	38" x 48", 20 Gauge Galvanized Steel Duct	134.25	66.74
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0705	LF	38" x 50", 20 Gauge Galvanized Steel Duct	137.37	68.31
		For Flat Oval, Add	*3.53*	
		For Work In Restricted Working Space, Add	*34.15*	
23 31 13 13-0706	LF	40" x 40", 20 Gauge Galvanized Steel Duct	124.90	62.09
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*31.05*	
23 31 13 13-0707	LF	40" x 42", 20 Gauge Galvanized Steel Duct	128.02	63.64
		For Flat Oval, Add	*3.29*	
		For Work In Restricted Working Space, Add	*31.82*	
23 31 13 13-0708	LF	40" x 44", 20 Gauge Galvanized Steel Duct	131.15	65.19
		For Flat Oval, Add	*3.37*	
		For Work In Restricted Working Space, Add	*32.60*	
23 31 13 13-0709	LF	40" x 46", 20 Gauge Galvanized Steel Duct	134.25	66.74
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0710	LF	40" x 48", 20 Gauge Galvanized Steel Duct	137.37	68.31
		For Flat Oval, Add	*3.53*	
		For Work In Restricted Working Space, Add	*34.15*	
23 31 13 13-0711	LF	40" x 50", 20 Gauge Galvanized Steel Duct	140.50	69.86
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*34.93*	
23 31 13 13-0712	LF	40" x 52", 20 Gauge Galvanized Steel Duct	143.62	71.41
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*35.70*	
23 31 13 13-0713	LF	40" x 54", 20 Gauge Galvanized Steel Duct	146.75	72.96
		For Flat Oval, Add	*3.77*	
		For Work In Restricted Working Space, Add	*36.48*	
23 31 13 13-0714	LF	40" x 56", 20 Gauge Galvanized Steel Duct	149.87	74.51
		For Flat Oval, Add	*3.85*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0715	LF	42" x 42", 20 Gauge Galvanized Steel Duct	131.15	65.19
		For Flat Oval, Add	*3.37*	
		For Work In Restricted Working Space, Add	*32.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0716	LF	42" x 44", 20 Gauge Galvanized Steel Duct	134.25	66.74
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0717	LF	42" x 46", 20 Gauge Galvanized Steel Duct	137.37	68.31
		For Flat Oval, Add	*3.53*	
		For Work In Restricted Working Space, Add	*34.15*	
23 31 13 13-0718	LF	42" x 48", 20 Gauge Galvanized Steel Duct	140.50	69.86
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*34.93*	
23 31 13 13-0719	LF	42" x 50", 20 Gauge Galvanized Steel Duct	143.62	71.41
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*35.70*	
23 31 13 13-0720	LF	42" x 52", 20 Gauge Galvanized Steel Duct	146.75	72.96
		For Flat Oval, Add	*3.77*	
		For Work In Restricted Working Space, Add	*36.48*	
23 31 13 13-0721	LF	42" x 54", 20 Gauge Galvanized Steel Duct	149.87	74.51
		For Flat Oval, Add	*3.85*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0722	LF	42" x 56", 20 Gauge Galvanized Steel Duct	152.99	76.06
		For Flat Oval, Add	*3.93*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0723	LF	44" x 44", 20 Gauge Galvanized Steel Duct	137.37	68.31
		For Flat Oval, Add	*3.53*	
		For Work In Restricted Working Space, Add	*34.15*	
23 31 13 13-0724	LF	44" x 46", 20 Gauge Galvanized Steel Duct	140.50	69.86
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*34.93*	
23 31 13 13-0725	LF	44" x 48", 20 Gauge Galvanized Steel Duct	143.62	71.41
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*35.70*	
23 31 13 13-0726	LF	44" x 50", 20 Gauge Galvanized Steel Duct	146.75	72.96
		For Flat Oval, Add	*3.77*	
		For Work In Restricted Working Space, Add	*36.48*	
23 31 13 13-0727	LF	44" x 52", 20 Gauge Galvanized Steel Duct	149.87	74.51
		For Flat Oval, Add	*3.85*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0728	LF	44" x 54", 20 Gauge Galvanized Steel Duct	152.99	76.06
		For Flat Oval, Add	*3.93*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0729	LF	44" x 56", 20 Gauge Galvanized Steel Duct	156.12	77.62
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*38.81*	
23 31 13 13-0730	LF	46" x 46", 20 Gauge Galvanized Steel Duct	143.62	71.41
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*35.70*	
23 31 13 13-0731	LF	46" x 48", 20 Gauge Galvanized Steel Duct	146.75	72.96
		For Flat Oval, Add	*3.77*	
		For Work In Restricted Working Space, Add	*36.48*	
23 31 13 13-0732	LF	46" x 50", 20 Gauge Galvanized Steel Duct	149.87	74.51
		For Flat Oval, Add	*3.85*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0733	LF	46" x 52", 20 Gauge Galvanized Steel Duct	152.99	76.06
		For Flat Oval, Add	*3.93*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0734	LF	46" x 54", 20 Gauge Galvanized Steel Duct	156.12	77.62
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*38.81*	
23 31 13 13-0735	LF	46" x 56", 20 Gauge Galvanized Steel Duct	159.25	79.17
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*39.59*	
23 31 13 13-0736	LF	46" x 58", 20 Gauge Galvanized Steel Duct	162.36	80.72
		For Flat Oval, Add	*4.17*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0737	LF	48" x 48", 20 Gauge Galvanized Steel Duct	149.87	74.51
		For Flat Oval, Add	*3.85*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0738	LF	48" x 50", 20 Gauge Galvanized Steel Duct	152.99	76.06
		For Flat Oval, Add	*3.93*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0739	LF	48" x 52", 20 Gauge Galvanized Steel Duct	156.12	77.62
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*38.81*	
23 31 13 13-0740	LF	48" x 54", 20 Gauge Galvanized Steel Duct	159.25	79.17
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*39.59*	
23 31 13 13-0741	LF	48" x 56", 20 Gauge Galvanized Steel Duct	162.36	80.72
		For Flat Oval, Add	*4.17*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0742	LF	48" x 58", 20 Gauge Galvanized Steel Duct	165.48	82.27
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*41.14*	
23 31 13 13-0743	LF	48" x 60", 20 Gauge Galvanized Steel Duct	168.60	83.82
		For Flat Oval, Add	*4.33*	
		For Work In Restricted Working Space, Add	*41.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0744	LF	50" x 50", 20 Gauge Galvanized Steel Duct	156.12	77.62
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*38.81*	
23 31 13 13-0745	LF	50" x 52", 20 Gauge Galvanized Steel Duct	159.25	79.17
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*39.59*	
23 31 13 13-0746	LF	50" x 54", 20 Gauge Galvanized Steel Duct	162.36	80.72
		For Flat Oval, Add	*4.17*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0747	LF	50" x 56", 20 Gauge Galvanized Steel Duct	165.48	82.27
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*41.14*	
23 31 13 13-0748	LF	50" x 58", 20 Gauge Galvanized Steel Duct	168.60	83.82
		For Flat Oval, Add	*4.33*	
		For Work In Restricted Working Space, Add	*41.91*	
23 31 13 13-0749	LF	50" x 60", 20 Gauge Galvanized Steel Duct	171.72	85.37
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*42.69*	
23 31 13 13-0750	LF	52" x 52", 20 Gauge Galvanized Steel Duct	162.36	80.72
		For Flat Oval, Add	*4.17*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0751	LF	52" x 54", 20 Gauge Galvanized Steel Duct	165.48	82.27
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*41.14*	
23 31 13 13-0752	LF	52" x 56", 20 Gauge Galvanized Steel Duct	168.60	83.82
		For Flat Oval, Add	*4.33*	
		For Work In Restricted Working Space, Add	*41.91*	
23 31 13 13-0753	LF	52" x 58", 20 Gauge Galvanized Steel Duct	171.72	85.37
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*42.69*	
23 31 13 13-0754	LF	52" x 60", 20 Gauge Galvanized Steel Duct	174.85	86.93
		For Flat Oval, Add	*4.50*	
		For Work In Restricted Working Space, Add	*43.46*	
23 31 13 13-0755	LF	54" x 54", 20 Gauge Galvanized Steel Duct	168.60	83.82
		For Flat Oval, Add	*4.33*	
		For Work In Restricted Working Space, Add	*41.91*	
23 31 13 13-0756	LF	54" x 56", 20 Gauge Galvanized Steel Duct	171.72	85.37
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*42.69*	
23 31 13 13-0757	LF	54" x 58", 20 Gauge Galvanized Steel Duct	174.85	86.93
		For Flat Oval, Add	*4.50*	
		For Work In Restricted Working Space, Add	*43.46*	
23 31 13 13-0758	LF	54" x 60", 20 Gauge Galvanized Steel Duct	177.97	88.49
		For Flat Oval, Add	*4.58*	
		For Work In Restricted Working Space, Add	*44.24*	
23 31 13 13-0759	LF	54" x 62", 20 Gauge Galvanized Steel Duct	181.09	90.04
		For Flat Oval, Add	*4.66*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 13-0760	LF	54" x 64", 20 Gauge Galvanized Steel Duct	184.21	91.59
		For Flat Oval, Add	*4.74*	
		For Work In Restricted Working Space, Add	*45.79*	
23 31 13 13-0761	LF	56" x 56", 20 Gauge Galvanized Steel Duct	174.85	86.93
		For Flat Oval, Add	*4.50*	
		For Work In Restricted Working Space, Add	*43.46*	
23 31 13 13-0762	LF	56" x 58", 20 Gauge Galvanized Steel Duct	177.97	88.49
		For Flat Oval, Add	*4.58*	
		For Work In Restricted Working Space, Add	*44.24*	
23 31 13 13-0763	LF	56" x 60", 20 Gauge Galvanized Steel Duct	181.09	90.04
		For Flat Oval, Add	*4.66*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 13-0764	LF	56" x 62", 20 Gauge Galvanized Steel Duct	184.21	91.59
		For Flat Oval, Add	*4.74*	
		For Work In Restricted Working Space, Add	*45.79*	
23 31 13 13-0765	LF	56" x 64", 20 Gauge Galvanized Steel Duct	187.34	93.14
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*46.57*	
23 31 13 13-0766	LF	58" x 58", 20 Gauge Galvanized Steel Duct	181.09	90.04
		For Flat Oval, Add	*4.66*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 13-0767	LF	58" x 60", 20 Gauge Galvanized Steel Duct	184.21	91.59
		For Flat Oval, Add	*4.74*	
		For Work In Restricted Working Space, Add	*45.79*	
23 31 13 13-0768	LF	58" x 62", 20 Gauge Galvanized Steel Duct	187.34	93.14
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*46.57*	
23 31 13 13-0769	LF	58" x 64", 20 Gauge Galvanized Steel Duct	190.47	94.69
		For Flat Oval, Add	*4.90*	
		For Work In Restricted Working Space, Add	*47.35*	
23 31 13 13-0770	LF	58" x 66", 20 Gauge Galvanized Steel Duct	193.58	96.24
		For Flat Oval, Add	*4.98*	
		For Work In Restricted Working Space, Add	*48.12*	
23 31 13 13-0771	LF	60" x 60", 20 Gauge Galvanized Steel Duct	187.34	93.14
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*46.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0772	LF	60" x 62", 20 Gauge Galvanized Steel Duct	190.47	94.69
		For Flat Oval, Add	*4.90*	
		For Work In Restricted Working Space, Add	*47.35*	
23 31 13 13-0773	LF	60" x 64", 20 Gauge Galvanized Steel Duct	193.58	96.24
		For Flat Oval, Add	*4.98*	
		For Work In Restricted Working Space, Add	*48.12*	
23 31 13 13-0774	LF	60" x 66", 20 Gauge Galvanized Steel Duct	196.70	97.79
		For Flat Oval, Add	*5.06*	
		For Work In Restricted Working Space, Add	*48.90*	
23 31 13 13-0775	LF	60" x 68", 20 Gauge Galvanized Steel Duct	199.83	99.35
		For Flat Oval, Add	*5.14*	
		For Work In Restricted Working Space, Add	*49.67*	
23 31 13 13-0776	LF	62" x 62", 20 Gauge Galvanized Steel Duct	193.58	96.24
		For Flat Oval, Add	*4.98*	
		For Work In Restricted Working Space, Add	*48.12*	
23 31 13 13-0777	LF	62" x 64", 20 Gauge Galvanized Steel Duct	196.70	97.79
		For Flat Oval, Add	*5.06*	
		For Work In Restricted Working Space, Add	*48.90*	
23 31 13 13-0778	LF	62" x 66", 20 Gauge Galvanized Steel Duct	199.83	99.35
		For Flat Oval, Add	*5.14*	
		For Work In Restricted Working Space, Add	*49.67*	
23 31 13 13-0779	LF	62" x 68", 20 Gauge Galvanized Steel Duct	202.95	100.90
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0780	LF	62" x 70", 20 Gauge Galvanized Steel Duct	206.08	102.45
		For Flat Oval, Add	*5.30*	
		For Work In Restricted Working Space, Add	*51.23*	
23 31 13 13-0781	LF	64" x 64", 20 Gauge Galvanized Steel Duct	199.83	99.35
		For Flat Oval, Add	*5.14*	
		For Work In Restricted Working Space, Add	*49.67*	
23 31 13 13-0782	LF	64" x 66", 20 Gauge Galvanized Steel Duct	202.95	100.90
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0783	LF	64" x 68", 20 Gauge Galvanized Steel Duct	206.08	102.45
		For Flat Oval, Add	*5.30*	
		For Work In Restricted Working Space, Add	*51.23*	
23 31 13 13-0784	LF	64" x 70", 20 Gauge Galvanized Steel Duct	209.20	104.00
		For Flat Oval, Add	*5.38*	
		For Work In Restricted Working Space, Add	*52.01*	
23 31 13 13-0785	LF	66" x 66", 20 Gauge Galvanized Steel Duct	206.08	102.45
		For Flat Oval, Add	*5.30*	
		For Work In Restricted Working Space, Add	*51.23*	
23 31 13 13-0786	LF	66" x 68", 20 Gauge Galvanized Steel Duct	209.20	104.00
		For Flat Oval, Add	*5.38*	
		For Work In Restricted Working Space, Add	*52.01*	
23 31 13 13-0787	LF	66" x 70", 20 Gauge Galvanized Steel Duct	212.31	105.56
		For Flat Oval, Add	*5.46*	
		For Work In Restricted Working Space, Add	*52.78*	
23 31 13 13-0788	LF	66" x 72", 20 Gauge Galvanized Steel Duct	215.44	107.11
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*53.55*	
23 31 13 13-0789	LF	68" x 68", 20 Gauge Galvanized Steel Duct	212.31	105.56
		For Flat Oval, Add	*5.46*	
		For Work In Restricted Working Space, Add	*52.78*	
23 31 13 13-0790	LF	68" x 70", 20 Gauge Galvanized Steel Duct	215.44	107.11
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*53.55*	
23 31 13 13-0791	LF	68" x 72", 20 Gauge Galvanized Steel Duct	218.56	108.67
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*54.33*	
23 31 13 13-0792	LF	68" x 74", 20 Gauge Galvanized Steel Duct	221.69	110.22
		For Flat Oval, Add	*5.70*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0793	LF	70" x 70", 20 Gauge Galvanized Steel Duct	218.56	108.67
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*54.33*	
23 31 13 13-0794	LF	70" x 72", 20 Gauge Galvanized Steel Duct	221.69	110.22
		For Flat Oval, Add	*5.70*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0795	LF	70" x 74", 20 Gauge Galvanized Steel Duct	224.81	111.77
		For Flat Oval, Add	*5.78*	
		For Work In Restricted Working Space, Add	*55.88*	
23 31 13 13-0796	LF	70" x 76", 20 Gauge Galvanized Steel Duct	227.93	113.32
		For Flat Oval, Add	*5.86*	
		For Work In Restricted Working Space, Add	*56.66*	
23 31 13 13-0797	LF	70" x 78", 20 Gauge Galvanized Steel Duct	231.05	114.87
		For Flat Oval, Add	*5.94*	
		For Work In Restricted Working Space, Add	*57.44*	
23 31 13 13-0798	LF	70" x 80", 20 Gauge Galvanized Steel Duct	234.17	116.42
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*58.21*	
23 31 13 13-0799	LF	70" x 82", 20 Gauge Galvanized Steel Duct	237.30	117.97
		For Flat Oval, Add	*6.10*	
		For Work In Restricted Working Space, Add	*58.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0800	LF	70" x 84", 20 Gauge Galvanized Steel Duct	240.43	119.53
		For Flat Oval, Add	*6.18*	
		For Work In Restricted Working Space, Add	*59.77*	
23 31 13 13-0801	LF	72" x 72", 20 Gauge Galvanized Steel Duct	224.81	111.77
		For Flat Oval, Add	*5.78*	
		For Work In Restricted Working Space, Add	*55.88*	
23 31 13 13-0802	LF	72" x 74", 20 Gauge Galvanized Steel Duct	227.93	113.32
		For Flat Oval, Add	*5.86*	
		For Work In Restricted Working Space, Add	*56.66*	
23 31 13 13-0803	LF	72" x 76", 20 Gauge Galvanized Steel Duct	231.05	114.87
		For Flat Oval, Add	*5.94*	
		For Work In Restricted Working Space, Add	*57.44*	
23 31 13 13-0804	LF	72" x 78", 20 Gauge Galvanized Steel Duct	234.17	116.42
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*58.21*	
23 31 13 13-0805	LF	72" x 80", 20 Gauge Galvanized Steel Duct	237.30	117.97
		For Flat Oval, Add	*6.10*	
		For Work In Restricted Working Space, Add	*58.99*	
23 31 13 13-0806	LF	72" x 82", 20 Gauge Galvanized Steel Duct	240.43	119.53
		For Flat Oval, Add	*6.18*	
		For Work In Restricted Working Space, Add	*59.77*	
23 31 13 13-0807	LF	72" x 84", 20 Gauge Galvanized Steel Duct	243.55	121.08
		For Flat Oval, Add	*6.26*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0808	LF	74" x 74", 20 Gauge Galvanized Steel Duct	231.05	114.87
		For Flat Oval, Add	*5.94*	
		For Work In Restricted Working Space, Add	*57.44*	
23 31 13 13-0809	LF	74" x 76", 20 Gauge Galvanized Steel Duct	234.17	116.42
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*58.21*	
23 31 13 13-0810	LF	74" x 78", 20 Gauge Galvanized Steel Duct	237.30	117.97
		For Flat Oval, Add	*6.10*	
		For Work In Restricted Working Space, Add	*58.99*	
23 31 13 13-0811	LF	74" x 80", 20 Gauge Galvanized Steel Duct	240.43	119.53
		For Flat Oval, Add	*6.18*	
		For Work In Restricted Working Space, Add	*59.77*	
23 31 13 13-0812	LF	74" x 82", 20 Gauge Galvanized Steel Duct	243.55	121.08
		For Flat Oval, Add	*6.26*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0813	LF	74" x 84", 20 Gauge Galvanized Steel Duct	246.67	122.63
		For Flat Oval, Add	*6.34*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0814	LF	76" x 76", 20 Gauge Galvanized Steel Duct	237.30	117.97
		For Flat Oval, Add	*6.10*	
		For Work In Restricted Working Space, Add	*58.99*	
23 31 13 13-0815	LF	76" x 78", 20 Gauge Galvanized Steel Duct	240.43	119.53
		For Flat Oval, Add	*6.18*	
		For Work In Restricted Working Space, Add	*59.77*	
23 31 13 13-0816	LF	76" x 80", 20 Gauge Galvanized Steel Duct	243.55	121.08
		For Flat Oval, Add	*6.26*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0817	LF	76" x 82", 20 Gauge Galvanized Steel Duct	246.67	122.63
		For Flat Oval, Add	*6.34*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0818	LF	76" x 84", 20 Gauge Galvanized Steel Duct	249.78	124.18
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*62.09*	
23 31 13 13-0819	LF	78" x 78", 20 Gauge Galvanized Steel Duct	243.55	121.08
		For Flat Oval, Add	*6.26*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0820	LF	78" x 80", 20 Gauge Galvanized Steel Duct	246.67	122.63
		For Flat Oval, Add	*6.34*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0821	LF	78" x 82", 20 Gauge Galvanized Steel Duct	249.78	124.18
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*62.09*	
23 31 13 13-0822	LF	78" x 84", 20 Gauge Galvanized Steel Duct	252.90	125.74
		For Flat Oval, Add	*6.50*	
		For Work In Restricted Working Space, Add	*62.87*	
23 31 13 13-0823	LF	80" x 80", 20 Gauge Galvanized Steel Duct	249.78	124.18
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*62.09*	
23 31 13 13-0824	LF	80" x 82", 20 Gauge Galvanized Steel Duct	252.90	125.74
		For Flat Oval, Add	*6.50*	
		For Work In Restricted Working Space, Add	*62.87*	
23 31 13 13-0825	LF	80" x 84", 20 Gauge Galvanized Steel Duct	256.03	127.29
		For Flat Oval, Add	*6.58*	
		For Work In Restricted Working Space, Add	*63.65*	
23 31 13 13-0826	LF	82" x 82", 20 Gauge Galvanized Steel Duct	256.03	127.29
		For Flat Oval, Add	*6.58*	
		For Work In Restricted Working Space, Add	*63.65*	
23 31 13 13-0827	LF	82" x 84", 20 Gauge Galvanized Steel Duct	259.15	128.85
		For Flat Oval, Add	*6.66*	
		For Work In Restricted Working Space, Add	*64.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0828	LF	84" x 84", 20 Gauge Galvanized Steel Duct	262.27	130.40
		For Flat Oval, Add	*6.74*	
		For Work In Restricted Working Space, Add	*65.20*	
23 31 13 13-0829		**18 Gauge Galvanized Steel Duct** *(23 31 13 13-0011)*		
23 31 13 13-0830	LF	4" x 4", 18 Gauge Galvanized Steel Duct	16.26	8.09
		For Flat Oval, Add	*0.42*	
		For Work In Restricted Working Space, Add	*4.04*	
23 31 13 13-0831	LF	4" x 6", 18 Gauge Galvanized Steel Duct	20.32	10.10
		For Flat Oval, Add	*0.52*	
		For Work In Restricted Working Space, Add	*5.05*	
23 31 13 13-0832	LF	4" x 8", 18 Gauge Galvanized Steel Duct	24.39	12.12
		For Flat Oval, Add	*0.63*	
		For Work In Restricted Working Space, Add	*6.06*	
23 31 13 13-0833	LF	4" x 10", 18 Gauge Galvanized Steel Duct	28.44	14.15
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.07*	
23 31 13 13-0834	LF	4" x 12", 18 Gauge Galvanized Steel Duct	32.53	16.17
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.09*	
23 31 13 13-0835	LF	4" x 14", 18 Gauge Galvanized Steel Duct	36.58	18.19
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*9.09*	
23 31 13 13-0836	LF	4" x 16", 18 Gauge Galvanized Steel Duct	40.65	20.21
		For Flat Oval, Add	*1.05*	
		For Work In Restricted Working Space, Add	*10.10*	
23 31 13 13-0837	LF	6" x 6", 18 Gauge Galvanized Steel Duct	24.39	12.12
		For Flat Oval, Add	*0.63*	
		For Work In Restricted Working Space, Add	*6.06*	
23 31 13 13-0838	LF	6" x 8", 18 Gauge Galvanized Steel Duct	28.44	14.15
		For Flat Oval, Add	*0.73*	
		For Work In Restricted Working Space, Add	*7.07*	
23 31 13 13-0839	LF	6" x 10", 18 Gauge Galvanized Steel Duct	32.53	16.17
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.09*	
23 31 13 13-0840	LF	6" x 12", 18 Gauge Galvanized Steel Duct	36.58	18.19
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*9.09*	
23 31 13 13-0841	LF	6" x 14", 18 Gauge Galvanized Steel Duct	40.65	20.21
		For Flat Oval, Add	*1.05*	
		For Work In Restricted Working Space, Add	*10.10*	
23 31 13 13-0842	LF	6" x 16", 18 Gauge Galvanized Steel Duct	44.71	22.23
		For Flat Oval, Add	*1.15*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0843	LF	8" x 8", 18 Gauge Galvanized Steel Duct	32.53	16.17
		For Flat Oval, Add	*0.84*	
		For Work In Restricted Working Space, Add	*8.09*	
23 31 13 13-0844	LF	8" x 10", 18 Gauge Galvanized Steel Duct	36.58	18.19
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*9.09*	
23 31 13 13-0845	LF	8" x 12", 18 Gauge Galvanized Steel Duct	40.65	20.21
		For Flat Oval, Add	*1.05*	
		For Work In Restricted Working Space, Add	*10.10*	
23 31 13 13-0846	LF	8" x 14", 18 Gauge Galvanized Steel Duct	44.71	22.23
		For Flat Oval, Add	*1.15*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0847	LF	8" x 16", 18 Gauge Galvanized Steel Duct	48.78	24.25
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0848	LF	8" x 18", 18 Gauge Galvanized Steel Duct	52.84	26.27
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.13*	
23 31 13 13-0849	LF	8" x 20", 18 Gauge Galvanized Steel Duct	56.92	28.30
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.15*	
23 31 13 13-0850	LF	8" x 22", 18 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0851	LF	8" x 24", 18 Gauge Galvanized Steel Duct	65.04	32.34
		For Flat Oval, Add	*1.67*	
		For Work In Restricted Working Space, Add	*16.17*	
23 31 13 13-0852	LF	10" x 10", 18 Gauge Galvanized Steel Duct	40.65	20.21
		For Flat Oval, Add	*1.05*	
		For Work In Restricted Working Space, Add	*10.10*	
23 31 13 13-0853	LF	10" x 12", 18 Gauge Galvanized Steel Duct	44.71	22.23
		For Flat Oval, Add	*1.15*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0854	LF	10" x 14", 18 Gauge Galvanized Steel Duct	48.78	24.25
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0855	LF	10" x 16", 18 Gauge Galvanized Steel Duct	52.84	26.27
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0856	LF	10" x 18", 18 Gauge Galvanized Steel Duct	56.92	28.30
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.15*	
23 31 13 13-0857	LF	10" x 20", 18 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0858	LF	10" x 22", 18 Gauge Galvanized Steel Duct	65.04	32.34
		For Flat Oval, Add	*1.67*	
		For Work In Restricted Working Space, Add	*16.17*	
23 31 13 13-0859	LF	10" x 24", 18 Gauge Galvanized Steel Duct	69.10	34.36
		For Flat Oval, Add	*1.78*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0860	LF	10" x 26", 18 Gauge Galvanized Steel Duct	73.17	36.37
		For Flat Oval, Add	*1.88*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0861	LF	10" x 28", 18 Gauge Galvanized Steel Duct	77.24	38.40
		For Flat Oval, Add	*1.99*	
		For Work In Restricted Working Space, Add	*19.20*	
23 31 13 13-0862	LF	10" x 30", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 13-0863	LF	10" x 32", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0864	LF	12" x 12", 18 Gauge Galvanized Steel Duct	48.78	24.25
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0865	LF	12" x 14", 18 Gauge Galvanized Steel Duct	52.84	26.27
		For Flat Oval, Add	*1.36*	
		For Work In Restricted Working Space, Add	*13.13*	
23 31 13 13-0866	LF	12" x 16", 18 Gauge Galvanized Steel Duct	56.92	28.30
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.15*	
23 31 13 13-0867	LF	12" x 18", 18 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0868	LF	12" x 20", 18 Gauge Galvanized Steel Duct	65.04	32.34
		For Flat Oval, Add	*1.67*	
		For Work In Restricted Working Space, Add	*16.17*	
23 31 13 13-0869	LF	12" x 22", 18 Gauge Galvanized Steel Duct	69.10	34.36
		For Flat Oval, Add	*1.78*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0870	LF	12" x 24", 18 Gauge Galvanized Steel Duct	73.17	36.37
		For Flat Oval, Add	*1.88*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0871	LF	12" x 26", 18 Gauge Galvanized Steel Duct	77.24	38.40
		For Flat Oval, Add	*1.99*	
		For Work In Restricted Working Space, Add	*19.20*	
23 31 13 13-0872	LF	12" x 28", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 13-0873	LF	12" x 30", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0874	LF	12" x 32", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0875	LF	12" x 34", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0876	LF	12" x 36", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0877	LF	14" x 14", 18 Gauge Galvanized Steel Duct	56.92	28.30
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*14.15*	
23 31 13 13-0878	LF	14" x 16", 18 Gauge Galvanized Steel Duct	60.97	30.31
		For Flat Oval, Add	*1.57*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0879	LF	14" x 18", 18 Gauge Galvanized Steel Duct	65.04	32.34
		For Flat Oval, Add	*1.67*	
		For Work In Restricted Working Space, Add	*16.17*	
23 31 13 13-0880	LF	14" x 20", 18 Gauge Galvanized Steel Duct	69.10	34.36
		For Flat Oval, Add	*1.78*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0881	LF	14" x 22", 18 Gauge Galvanized Steel Duct	73.17	36.37
		For Flat Oval, Add	*1.88*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0882	LF	14" x 24", 18 Gauge Galvanized Steel Duct	77.24	38.40
		For Flat Oval, Add	*1.99*	
		For Work In Restricted Working Space, Add	*19.20*	
23 31 13 13-0883	LF	14" x 26", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0884	LF	14" x 28", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0885	LF	14" x 30", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0886	LF	14" x 32", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0887	LF	14" x 34", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0888	LF	14" x 36", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0889	LF	16" x 16", 18 Gauge Galvanized Steel Duct	65.04	32.34
		For Flat Oval, Add	*1.67*	
		For Work In Restricted Working Space, Add	*16.17*	
23 31 13 13-0890	LF	16" x 18", 18 Gauge Galvanized Steel Duct	69.10	34.36
		For Flat Oval, Add	*1.78*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0891	LF	16" x 20", 18 Gauge Galvanized Steel Duct	73.17	36.37
		For Flat Oval, Add	*1.88*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0892	LF	16" x 22", 18 Gauge Galvanized Steel Duct	77.24	38.40
		For Flat Oval, Add	*1.99*	
		For Work In Restricted Working Space, Add	*19.20*	
23 31 13 13-0893	LF	16" x 24", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 13-0894	LF	16" x 26", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0895	LF	16" x 28", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0896	LF	16" x 30", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0897	LF	16" x 32", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0898	LF	16" x 34", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0899	LF	16" x 36", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0900	LF	16" x 38", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	
23 31 13 13-0901	LF	16" x 40", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0902	LF	16" x 42", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0903	LF	16" x 44", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0904	LF	18" x 18", 18 Gauge Galvanized Steel Duct	73.17	36.37
		For Flat Oval, Add	*1.88*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0905	LF	18" x 20", 18 Gauge Galvanized Steel Duct	77.24	38.40
		For Flat Oval, Add	*1.99*	
		For Work In Restricted Working Space, Add	*19.20*	
23 31 13 13-0906	LF	18" x 22", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 13-0907	LF	18" x 24", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0908	LF	18" x 26", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0909	LF	18" x 28", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0910	LF	18" x 30", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0911	LF	18" x 32", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0912	LF	18" x 34", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0913	LF	18" x 36", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	
23 31 13 13-0914	LF	18" x 38", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0915	LF	18" x 40", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0916	LF	18" x 42", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0917	LF	18" x 44", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0918	LF	18" x 46", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0919	LF	20" x 20", 18 Gauge Galvanized Steel Duct	81.30	40.42
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 13-0920	LF	20" x 22", 18 Gauge Galvanized Steel Duct	85.36	42.45
		For Flat Oval, Add	*2.19*	
		For Work In Restricted Working Space, Add	*21.22*	
23 31 13 13-0921	LF	20" x 24", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0922	LF	20" x 26", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0923	LF	20" x 28", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0924	LF	20" x 30", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0925	LF	20" x 32", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0926	LF	20" x 34", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	
23 31 13 13-0927	LF	20" x 36", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0928	LF	20" x 38", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0929	LF	20" x 40", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0930	LF	20" x 42", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0931	LF	20" x 44", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0932	LF	20" x 46", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0933	LF	20" x 48", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0934	LF	22" x 22", 18 Gauge Galvanized Steel Duct	89.43	44.46
		For Flat Oval, Add	*2.30*	
		For Work In Restricted Working Space, Add	*22.23*	
23 31 13 13-0935	LF	22" x 24", 18 Gauge Galvanized Steel Duct	93.50	46.48
		For Flat Oval, Add	*2.40*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0936	LF	22" x 26", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0937	LF	22" x 28", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0938	LF	22" x 30", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0939	LF	22" x 32", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0940	LF	22" x 34", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0941	LF	22" x 36", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0942	LF	22" x 38", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0943	LF	22" x 40", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0944	LF	22" x 42", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0945	LF	22" x 44", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0946	LF	22" x 46", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0947	LF	22" x 48", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0948	LF	24" x 24", 18 Gauge Galvanized Steel Duct	97.56	48.51
		For Flat Oval, Add	*2.51*	
		For Work In Restricted Working Space, Add	*24.25*	
23 31 13 13-0949	LF	24" x 26", 18 Gauge Galvanized Steel Duct	101.63	50.52
		For Flat Oval, Add	*2.61*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0950	LF	24" x 28", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0951	LF	24" x 30", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	
23 31 13 13-0952	LF	24" x 32", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0953	LF	24" x 34", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0954	LF	24" x 36", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0955	LF	24" x 38", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0956	LF	24" x 40", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0957	LF	24" x 42", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0958	LF	24" x 44", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0959	LF	24" x 46", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0960	LF	24" x 48", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-0961	LF	26" x 26", 18 Gauge Galvanized Steel Duct	105.69	52.55
		For Flat Oval, Add	*2.72*	
		For Work In Restricted Working Space, Add	*26.27*	
23 31 13 13-0962	LF	26" x 28", 18 Gauge Galvanized Steel Duct	109.75	54.57
		For Flat Oval, Add	*2.82*	
		For Work In Restricted Working Space, Add	*27.28*	
23 31 13 13-0963	LF	26" x 30", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0964	LF	26" x 32", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0965	LF	26" x 34", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0966	LF	26" x 36", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0967	LF	26" x 38", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0968	LF	26" x 40", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0969	LF	26" x 42", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0970	LF	26" x 44", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0971	LF	26" x 46", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-0972	LF	26" x 48", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-0973	LF	28" x 28", 18 Gauge Galvanized Steel Duct	113.83	56.58
		For Flat Oval, Add	*2.93*	
		For Work In Restricted Working Space, Add	*28.30*	
23 31 13 13-0974	LF	28" x 30", 18 Gauge Galvanized Steel Duct	117.89	58.61
		For Flat Oval, Add	*3.03*	
		For Work In Restricted Working Space, Add	*29.30*	
23 31 13 13-0975	LF	28" x 32", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0976	LF	28" x 34", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0977	LF	28" x 36", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0978	LF	28" x 38", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0979	LF	28" x 40", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0980	LF	28" x 42", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0981	LF	28" x 44", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-0982	LF	28" x 46", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-0983	LF	28" x 48", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-0984	LF	30" x 30", 18 Gauge Galvanized Steel Duct	121.95	60.63
		For Flat Oval, Add	*3.14*	
		For Work In Restricted Working Space, Add	*30.32*	
23 31 13 13-0985	LF	30" x 32", 18 Gauge Galvanized Steel Duct	126.01	62.66
		For Flat Oval, Add	*3.24*	
		For Work In Restricted Working Space, Add	*31.33*	
23 31 13 13-0986	LF	30" x 34", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0987	LF	30" x 36", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 13-0988	LF	30" x 38", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0989	LF	30" x 40", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0990	LF	30" x 42", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-0991	LF	30" x 44", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-0992	LF	30" x 46", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-0993	LF	30" x 48", 18 Gauge Galvanized Steel Duct	158.53	78.82
		For Flat Oval, Add	*4.08*	
		For Work In Restricted Working Space, Add	*39.41*	
23 31 13 13-0994	LF	32" x 32", 18 Gauge Galvanized Steel Duct	130.09	64.67
		For Flat Oval, Add	*3.35*	
		For Work In Restricted Working Space, Add	*32.34*	
23 31 13 13-0995	LF	32" x 34", 18 Gauge Galvanized Steel Duct	134.14	66.69
		For Flat Oval, Add	*3.45*	
		For Work In Restricted Working Space, Add	*33.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0996	LF	32" x 36", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-0997	LF	32" x 38", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-0998	LF	32" x 40", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-0999	LF	32" x 42", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-1000	LF	32" x 44", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-1001	LF	32" x 46", 18 Gauge Galvanized Steel Duct	158.53	78.82
		For Flat Oval, Add	*4.08*	
		For Work In Restricted Working Space, Add	*39.41*	
23 31 13 13-1002	LF	32" x 48", 18 Gauge Galvanized Steel Duct	162.61	80.84
		For Flat Oval, Add	*4.18*	
		For Work In Restricted Working Space, Add	*40.42*	
23 31 13 13-1003	LF	34" x 34", 18 Gauge Galvanized Steel Duct	138.22	68.72
		For Flat Oval, Add	*3.55*	
		For Work In Restricted Working Space, Add	*34.36*	
23 31 13 13-1004	LF	34" x 36", 18 Gauge Galvanized Steel Duct	142.27	70.73
		For Flat Oval, Add	*3.66*	
		For Work In Restricted Working Space, Add	*35.37*	
23 31 13 13-1005	LF	34" x 38", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-1006	LF	34" x 40", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-1007	LF	34" x 42", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-1008	LF	34" x 44", 18 Gauge Galvanized Steel Duct	158.53	78.82
		For Flat Oval, Add	*4.08*	
		For Work In Restricted Working Space, Add	*39.41*	
23 31 13 13-1009	LF	34" x 46", 18 Gauge Galvanized Steel Duct	162.61	80.84
		For Flat Oval, Add	*4.18*	
		For Work In Restricted Working Space, Add	*40.42*	
23 31 13 13-1010	LF	34" x 48", 18 Gauge Galvanized Steel Duct	166.66	82.86
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*41.43*	
23 31 13 13-1011	LF	36" x 36", 18 Gauge Galvanized Steel Duct	146.34	72.76
		For Flat Oval, Add	*3.76*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 13-1012	LF	36" x 38", 18 Gauge Galvanized Steel Duct	150.41	74.78
		For Flat Oval, Add	*3.87*	
		For Work In Restricted Working Space, Add	*37.39*	
23 31 13 13-1013	LF	36" x 40", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-1014	LF	36" x 42", 18 Gauge Galvanized Steel Duct	158.53	78.82
		For Flat Oval, Add	*4.08*	
		For Work In Restricted Working Space, Add	*39.41*	
23 31 13 13-1015	LF	36" x 44", 18 Gauge Galvanized Steel Duct	162.61	80.84
		For Flat Oval, Add	*4.18*	
		For Work In Restricted Working Space, Add	*40.42*	
23 31 13 13-1016	LF	36" x 46", 18 Gauge Galvanized Steel Duct	166.66	82.86
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*41.43*	
23 31 13 13-1017	LF	36" x 48", 18 Gauge Galvanized Steel Duct	170.75	84.88
		For Flat Oval, Add	*4.39*	
		For Work In Restricted Working Space, Add	*42.44*	
23 31 13 13-1018	LF	38" x 38", 18 Gauge Galvanized Steel Duct	154.48	76.79
		For Flat Oval, Add	*3.97*	
		For Work In Restricted Working Space, Add	*38.40*	
23 31 13 13-1019	LF	38" x 40", 18 Gauge Galvanized Steel Duct	158.53	78.82
		For Flat Oval, Add	*4.08*	
		For Work In Restricted Working Space, Add	*39.41*	
23 31 13 13-1020	LF	38" x 42", 18 Gauge Galvanized Steel Duct	162.61	80.84
		For Flat Oval, Add	*4.18*	
		For Work In Restricted Working Space, Add	*40.42*	
23 31 13 13-1021	LF	38" x 44", 18 Gauge Galvanized Steel Duct	166.66	82.86
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*41.43*	
23 31 13 13-1022	LF	38" x 46", 18 Gauge Galvanized Steel Duct	170.75	84.88
		For Flat Oval, Add	*4.39*	
		For Work In Restricted Working Space, Add	*42.44*	
23 31 13 13-1023	LF	38" x 48", 18 Gauge Galvanized Steel Duct	174.80	86.91
		For Flat Oval, Add	*4.49*	
		For Work In Restricted Working Space, Add	*43.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1024	LF	38" x 50", 18 Gauge Galvanized Steel Duct	178.87	88.93
		For Flat Oval, Add	*4.60*	
		For Work In Restricted Working Space, Add	*44.46*	
23 31 13 13-1025	LF	40" x 40", 18 Gauge Galvanized Steel Duct	162.61	80.84
		For Flat Oval, Add	*4.18*	
		For Work In Restricted Working Space, Add	*40.42*	
23 31 13 13-1026	LF	40" x 42", 18 Gauge Galvanized Steel Duct	166.66	82.86
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*41.43*	
23 31 13 13-1027	LF	40" x 44", 18 Gauge Galvanized Steel Duct	170.75	84.88
		For Flat Oval, Add	*4.39*	
		For Work In Restricted Working Space, Add	*42.44*	
23 31 13 13-1028	LF	40" x 46", 18 Gauge Galvanized Steel Duct	174.80	86.91
		For Flat Oval, Add	*4.49*	
		For Work In Restricted Working Space, Add	*43.45*	
23 31 13 13-1029	LF	40" x 48", 18 Gauge Galvanized Steel Duct	178.87	88.93
		For Flat Oval, Add	*4.60*	
		For Work In Restricted Working Space, Add	*44.46*	
23 31 13 13-1030	LF	40" x 50", 18 Gauge Galvanized Steel Duct	182.93	90.94
		For Flat Oval, Add	*4.70*	
		For Work In Restricted Working Space, Add	*45.47*	
23 31 13 13-1031	LF	40" x 52", 18 Gauge Galvanized Steel Duct	186.99	92.97
		For Flat Oval, Add	*4.81*	
		For Work In Restricted Working Space, Add	*46.49*	
23 31 13 13-1032	LF	40" x 54", 18 Gauge Galvanized Steel Duct	191.06	94.99
		For Flat Oval, Add	*4.91*	
		For Work In Restricted Working Space, Add	*47.49*	
23 31 13 13-1033	LF	40" x 56", 18 Gauge Galvanized Steel Duct	195.13	97.01
		For Flat Oval, Add	*5.02*	
		For Work In Restricted Working Space, Add	*48.51*	
23 31 13 13-1034	LF	42" x 42", 18 Gauge Galvanized Steel Duct	170.75	84.88
		For Flat Oval, Add	*4.39*	
		For Work In Restricted Working Space, Add	*42.44*	
23 31 13 13-1035	LF	42" x 44", 18 Gauge Galvanized Steel Duct	174.80	86.91
		For Flat Oval, Add	*4.49*	
		For Work In Restricted Working Space, Add	*43.45*	
23 31 13 13-1036	LF	42" x 46", 18 Gauge Galvanized Steel Duct	178.87	88.93
		For Flat Oval, Add	*4.60*	
		For Work In Restricted Working Space, Add	*44.46*	
23 31 13 13-1037	LF	42" x 48", 18 Gauge Galvanized Steel Duct	182.93	90.94
		For Flat Oval, Add	*4.70*	
		For Work In Restricted Working Space, Add	*45.47*	
23 31 13 13-1038	LF	42" x 50", 18 Gauge Galvanized Steel Duct	186.99	92.97
		For Flat Oval, Add	*4.81*	
		For Work In Restricted Working Space, Add	*46.49*	
23 31 13 13-1039	LF	42" x 52", 18 Gauge Galvanized Steel Duct	191.06	94.99
		For Flat Oval, Add	*4.91*	
		For Work In Restricted Working Space, Add	*47.49*	
23 31 13 13-1040	LF	42" x 54", 18 Gauge Galvanized Steel Duct	195.13	97.01
		For Flat Oval, Add	*5.02*	
		For Work In Restricted Working Space, Add	*48.51*	
23 31 13 13-1041	LF	42" x 56", 18 Gauge Galvanized Steel Duct	199.19	99.03
		For Flat Oval, Add	*5.12*	
		For Work In Restricted Working Space, Add	*49.52*	
23 31 13 13-1042	LF	44" x 44", 18 Gauge Galvanized Steel Duct	178.87	88.93
		For Flat Oval, Add	*4.60*	
		For Work In Restricted Working Space, Add	*44.46*	
23 31 13 13-1043	LF	44" x 46", 18 Gauge Galvanized Steel Duct	182.93	90.94
		For Flat Oval, Add	*4.70*	
		For Work In Restricted Working Space, Add	*45.47*	
23 31 13 13-1044	LF	44" x 48", 18 Gauge Galvanized Steel Duct	186.99	92.97
		For Flat Oval, Add	*4.81*	
		For Work In Restricted Working Space, Add	*46.49*	
23 31 13 13-1045	LF	44" x 50", 18 Gauge Galvanized Steel Duct	191.06	94.99
		For Flat Oval, Add	*4.91*	
		For Work In Restricted Working Space, Add	*47.49*	
23 31 13 13-1046	LF	44" x 52", 18 Gauge Galvanized Steel Duct	195.13	97.01
		For Flat Oval, Add	*5.02*	
		For Work In Restricted Working Space, Add	*48.51*	
23 31 13 13-1047	LF	44" x 54", 18 Gauge Galvanized Steel Duct	199.19	99.03
		For Flat Oval, Add	*5.12*	
		For Work In Restricted Working Space, Add	*49.52*	
23 31 13 13-1048	LF	44" x 56", 18 Gauge Galvanized Steel Duct	203.24	101.05
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-1049	LF	46" x 46", 18 Gauge Galvanized Steel Duct	186.99	92.97
		For Flat Oval, Add	*4.81*	
		For Work In Restricted Working Space, Add	*46.49*	
23 31 13 13-1050	LF	46" x 48", 18 Gauge Galvanized Steel Duct	191.06	94.99
		For Flat Oval, Add	*4.91*	
		For Work In Restricted Working Space, Add	*47.49*	
23 31 13 13-1051	LF	46" x 50", 18 Gauge Galvanized Steel Duct	195.13	97.01
		For Flat Oval, Add	*5.02*	
		For Work In Restricted Working Space, Add	*48.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1052	LF	46" x 52", 18 Gauge Galvanized Steel Duct	199.19	99.03
		For Flat Oval, Add	*5.12*	
		For Work In Restricted Working Space, Add	*49.52*	
23 31 13 13-1053	LF	46" x 54", 18 Gauge Galvanized Steel Duct	203.24	101.05
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-1054	LF	46" x 56", 18 Gauge Galvanized Steel Duct	207.32	103.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*51.54*	
23 31 13 13-1055	LF	46" x 58", 18 Gauge Galvanized Steel Duct	211.38	105.09
		For Flat Oval, Add	*5.43*	
		For Work In Restricted Working Space, Add	*52.55*	
23 31 13 13-1056	LF	48" x 48", 18 Gauge Galvanized Steel Duct	195.13	97.01
		For Flat Oval, Add	*5.02*	
		For Work In Restricted Working Space, Add	*48.51*	
23 31 13 13-1057	LF	48" x 50", 18 Gauge Galvanized Steel Duct	199.19	99.03
		For Flat Oval, Add	*5.12*	
		For Work In Restricted Working Space, Add	*49.52*	
23 31 13 13-1058	LF	48" x 52", 18 Gauge Galvanized Steel Duct	203.24	101.05
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-1059	LF	48" x 54", 18 Gauge Galvanized Steel Duct	207.32	103.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*51.54*	
23 31 13 13-1060	LF	48" x 56", 18 Gauge Galvanized Steel Duct	211.38	105.09
		For Flat Oval, Add	*5.43*	
		For Work In Restricted Working Space, Add	*52.55*	
23 31 13 13-1061	LF	48" x 58", 18 Gauge Galvanized Steel Duct	215.45	107.12
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*53.56*	
23 31 13 13-1062	LF	48" x 60", 18 Gauge Galvanized Steel Duct	219.51	109.13
		For Flat Oval, Add	*5.64*	
		For Work In Restricted Working Space, Add	*54.57*	
23 31 13 13-1063	LF	50" x 50", 18 Gauge Galvanized Steel Duct	203.24	101.05
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-1064	LF	50" x 52", 18 Gauge Galvanized Steel Duct	207.32	103.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*51.54*	
23 31 13 13-1065	LF	50" x 54", 18 Gauge Galvanized Steel Duct	211.38	105.09
		For Flat Oval, Add	*5.43*	
		For Work In Restricted Working Space, Add	*52.55*	
23 31 13 13-1066	LF	50" x 56", 18 Gauge Galvanized Steel Duct	215.45	107.12
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*53.56*	
23 31 13 13-1067	LF	50" x 58", 18 Gauge Galvanized Steel Duct	219.51	109.13
		For Flat Oval, Add	*5.64*	
		For Work In Restricted Working Space, Add	*54.57*	
23 31 13 13-1068	LF	50" x 60", 18 Gauge Galvanized Steel Duct	223.58	111.15
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*55.58*	
23 31 13 13-1069	LF	52" x 52", 18 Gauge Galvanized Steel Duct	211.38	105.09
		For Flat Oval, Add	*5.43*	
		For Work In Restricted Working Space, Add	*52.55*	
23 31 13 13-1070	LF	52" x 54", 18 Gauge Galvanized Steel Duct	215.45	107.12
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*53.56*	
23 31 13 13-1071	LF	52" x 56", 18 Gauge Galvanized Steel Duct	219.51	109.13
		For Flat Oval, Add	*5.64*	
		For Work In Restricted Working Space, Add	*54.57*	
23 31 13 13-1072	LF	52" x 58", 18 Gauge Galvanized Steel Duct	223.58	111.15
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*55.58*	
23 31 13 13-1073	LF	52" x 60", 18 Gauge Galvanized Steel Duct	227.63	113.18
		For Flat Oval, Add	*5.85*	
		For Work In Restricted Working Space, Add	*56.59*	
23 31 13 13-1074	LF	54" x 54", 18 Gauge Galvanized Steel Duct	219.51	109.13
		For Flat Oval, Add	*5.64*	
		For Work In Restricted Working Space, Add	*54.57*	
23 31 13 13-1075	LF	54" x 56", 18 Gauge Galvanized Steel Duct	223.58	111.15
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*55.58*	
23 31 13 13-1076	LF	54" x 58", 18 Gauge Galvanized Steel Duct	227.63	113.18
		For Flat Oval, Add	*5.85*	
		For Work In Restricted Working Space, Add	*56.59*	
23 31 13 13-1077	LF	54" x 60", 18 Gauge Galvanized Steel Duct	231.72	115.20
		For Flat Oval, Add	*5.96*	
		For Work In Restricted Working Space, Add	*57.60*	
23 31 13 13-1078	LF	54" x 62", 18 Gauge Galvanized Steel Duct	235.77	117.22
		For Flat Oval, Add	*6.06*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-1079	LF	54" x 64", 18 Gauge Galvanized Steel Duct	239.84	119.24
		For Flat Oval, Add	*6.17*	
		For Work In Restricted Working Space, Add	*59.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1080	LF	56" x 56", 18 Gauge Galvanized Steel Duct	227.63	113.18
		For Flat Oval, Add	*5.85*	
		For Work In Restricted Working Space, Add	*56.59*	
23 31 13 13-1081	LF	56" x 58", 18 Gauge Galvanized Steel Duct	231.72	115.20
		For Flat Oval, Add	*5.96*	
		For Work In Restricted Working Space, Add	*57.60*	
23 31 13 13-1082	LF	56" x 60", 18 Gauge Galvanized Steel Duct	235.77	117.22
		For Flat Oval, Add	*6.06*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-1083	LF	56" x 62", 18 Gauge Galvanized Steel Duct	239.84	119.24
		For Flat Oval, Add	*6.17*	
		For Work In Restricted Working Space, Add	*59.62*	
23 31 13 13-1084	LF	56" x 64", 18 Gauge Galvanized Steel Duct	243.90	121.26
		For Flat Oval, Add	*6.27*	
		For Work In Restricted Working Space, Add	*60.63*	
23 31 13 13-1085	LF	58" x 58", 18 Gauge Galvanized Steel Duct	235.77	117.22
		For Flat Oval, Add	*6.06*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-1086	LF	58" x 60", 18 Gauge Galvanized Steel Duct	239.84	119.24
		For Flat Oval, Add	*6.17*	
		For Work In Restricted Working Space, Add	*59.62*	
23 31 13 13-1087	LF	58" x 62", 18 Gauge Galvanized Steel Duct	243.90	121.26
		For Flat Oval, Add	*6.27*	
		For Work In Restricted Working Space, Add	*60.63*	
23 31 13 13-1088	LF	58" x 64", 18 Gauge Galvanized Steel Duct	247.96	123.28
		For Flat Oval, Add	*6.37*	
		For Work In Restricted Working Space, Add	*61.64*	
23 31 13 13-1089	LF	58" x 66", 18 Gauge Galvanized Steel Duct	252.03	125.30
		For Flat Oval, Add	*6.48*	
		For Work In Restricted Working Space, Add	*62.65*	
23 31 13 13-1090	LF	60" x 60", 18 Gauge Galvanized Steel Duct	243.90	121.26
		For Flat Oval, Add	*6.27*	
		For Work In Restricted Working Space, Add	*60.63*	
23 31 13 13-1091	LF	60" x 62", 18 Gauge Galvanized Steel Duct	247.96	123.28
		For Flat Oval, Add	*6.37*	
		For Work In Restricted Working Space, Add	*61.64*	
23 31 13 13-1092	LF	60" x 64", 18 Gauge Galvanized Steel Duct	252.03	125.30
		For Flat Oval, Add	*6.48*	
		For Work In Restricted Working Space, Add	*62.65*	
23 31 13 13-1093	LF	60" x 66", 18 Gauge Galvanized Steel Duct	256.10	127.33
		For Flat Oval, Add	*6.58*	
		For Work In Restricted Working Space, Add	*63.66*	
23 31 13 13-1094	LF	60" x 68", 18 Gauge Galvanized Steel Duct	260.16	129.34
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*64.67*	
23 31 13 13-1095	LF	62" x 62", 18 Gauge Galvanized Steel Duct	252.03	125.30
		For Flat Oval, Add	*6.48*	
		For Work In Restricted Working Space, Add	*62.65*	
23 31 13 13-1096	LF	62" x 64", 18 Gauge Galvanized Steel Duct	256.10	127.33
		For Flat Oval, Add	*6.58*	
		For Work In Restricted Working Space, Add	*63.66*	
23 31 13 13-1097	LF	62" x 66", 18 Gauge Galvanized Steel Duct	260.16	129.34
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*64.67*	
23 31 13 13-1098	LF	62" x 68", 18 Gauge Galvanized Steel Duct	264.22	131.36
		For Flat Oval, Add	*6.79*	
		For Work In Restricted Working Space, Add	*65.68*	
23 31 13 13-1099	LF	62" x 70", 18 Gauge Galvanized Steel Duct	268.29	133.39
		For Flat Oval, Add	*6.90*	
		For Work In Restricted Working Space, Add	*66.69*	
23 31 13 13-1100	LF	64" x 64", 18 Gauge Galvanized Steel Duct	260.16	129.34
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*64.67*	
23 31 13 13-1101	LF	64" x 66", 18 Gauge Galvanized Steel Duct	264.22	131.36
		For Flat Oval, Add	*6.79*	
		For Work In Restricted Working Space, Add	*65.68*	
23 31 13 13-1102	LF	64" x 68", 18 Gauge Galvanized Steel Duct	268.29	133.39
		For Flat Oval, Add	*6.90*	
		For Work In Restricted Working Space, Add	*66.69*	
23 31 13 13-1103	LF	64" x 70", 18 Gauge Galvanized Steel Duct	272.36	135.40
		For Flat Oval, Add	*7.00*	
		For Work In Restricted Working Space, Add	*67.70*	
23 31 13 13-1104	LF	66" x 66", 18 Gauge Galvanized Steel Duct	268.29	133.39
		For Flat Oval, Add	*6.90*	
		For Work In Restricted Working Space, Add	*66.69*	
23 31 13 13-1105	LF	66" x 68", 18 Gauge Galvanized Steel Duct	272.36	135.40
		For Flat Oval, Add	*7.00*	
		For Work In Restricted Working Space, Add	*67.70*	
23 31 13 13-1106	LF	66" x 70", 18 Gauge Galvanized Steel Duct	276.42	137.43
		For Flat Oval, Add	*7.11*	
		For Work In Restricted Working Space, Add	*68.71*	
23 31 13 13-1107	LF	66" x 72", 18 Gauge Galvanized Steel Duct	280.49	139.45
		For Flat Oval, Add	*7.21*	
		For Work In Restricted Working Space, Add	*69.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1108	LF	68" x 68", 18 Gauge Galvanized Steel Duct	276.42	137.43
		For Flat Oval, Add	*7.11*	
		For Work In Restricted Working Space, Add	*68.71*	
23 31 13 13-1109	LF	68" x 70", 18 Gauge Galvanized Steel Duct	280.49	139.45
		For Flat Oval, Add	*7.21*	
		For Work In Restricted Working Space, Add	*69.73*	
23 31 13 13-1110	LF	68" x 72", 18 Gauge Galvanized Steel Duct	284.55	141.48
		For Flat Oval, Add	*7.32*	
		For Work In Restricted Working Space, Add	*70.73*	
23 31 13 13-1111	LF	68" x 74", 18 Gauge Galvanized Steel Duct	288.62	143.49
		For Flat Oval, Add	*7.42*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-1112	LF	70" x 70", 18 Gauge Galvanized Steel Duct	284.55	141.48
		For Flat Oval, Add	*7.32*	
		For Work In Restricted Working Space, Add	*70.73*	
23 31 13 13-1113	LF	70" x 72", 18 Gauge Galvanized Steel Duct	288.62	143.49
		For Flat Oval, Add	*7.42*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-1114	LF	70" x 74", 18 Gauge Galvanized Steel Duct	292.69	145.51
		For Flat Oval, Add	*7.53*	
		For Work In Restricted Working Space, Add	*72.76*	
23 31 13 13-1115	LF	70" x 76", 18 Gauge Galvanized Steel Duct	296.75	147.54
		For Flat Oval, Add	*7.63*	
		For Work In Restricted Working Space, Add	*73.77*	
23 31 13 13-1116	LF	70" x 78", 18 Gauge Galvanized Steel Duct	300.82	149.55
		For Flat Oval, Add	*7.73*	
		For Work In Restricted Working Space, Add	*74.78*	
23 31 13 13-1117	LF	70" x 80", 18 Gauge Galvanized Steel Duct	304.88	151.58
		For Flat Oval, Add	*7.84*	
		For Work In Restricted Working Space, Add	*75.79*	
23 31 13 13-1118	LF	70" x 82", 18 Gauge Galvanized Steel Duct	308.93	153.60
		For Flat Oval, Add	*7.94*	
		For Work In Restricted Working Space, Add	*76.80*	
23 31 13 13-1119	LF	70" x 84", 18 Gauge Galvanized Steel Duct	313.02	155.61
		For Flat Oval, Add	*8.05*	
		For Work In Restricted Working Space, Add	*77.81*	
23 31 13 13-1120	LF	70" x 86", 18 Gauge Galvanized Steel Duct	317.07	157.64
		For Flat Oval, Add	*8.15*	
		For Work In Restricted Working Space, Add	*78.82*	
23 31 13 13-1121	LF	72" x 72", 18 Gauge Galvanized Steel Duct	292.69	145.51
		For Flat Oval, Add	*7.53*	
		For Work In Restricted Working Space, Add	*72.76*	
23 31 13 13-1122	LF	72" x 74", 18 Gauge Galvanized Steel Duct	296.75	147.54
		For Flat Oval, Add	*7.63*	
		For Work In Restricted Working Space, Add	*73.77*	
23 31 13 13-1123	LF	72" x 76", 18 Gauge Galvanized Steel Duct	300.82	149.55
		For Flat Oval, Add	*7.73*	
		For Work In Restricted Working Space, Add	*74.78*	
23 31 13 13-1124	LF	72" x 78", 18 Gauge Galvanized Steel Duct	304.88	151.58
		For Flat Oval, Add	*7.84*	
		For Work In Restricted Working Space, Add	*75.79*	
23 31 13 13-1125	LF	72" x 80", 18 Gauge Galvanized Steel Duct	308.93	153.60
		For Flat Oval, Add	*7.94*	
		For Work In Restricted Working Space, Add	*76.80*	
23 31 13 13-1126	LF	72" x 82", 18 Gauge Galvanized Steel Duct	313.02	155.61
		For Flat Oval, Add	*8.05*	
		For Work In Restricted Working Space, Add	*77.81*	
23 31 13 13-1127	LF	72" x 84", 18 Gauge Galvanized Steel Duct	317.07	157.64
		For Flat Oval, Add	*8.15*	
		For Work In Restricted Working Space, Add	*78.82*	
23 31 13 13-1128	LF	72" x 86", 18 Gauge Galvanized Steel Duct	321.14	159.66
		For Flat Oval, Add	*8.26*	
		For Work In Restricted Working Space, Add	*79.83*	
23 31 13 13-1129	LF	74" x 74", 18 Gauge Galvanized Steel Duct	300.82	149.55
		For Flat Oval, Add	*7.73*	
		For Work In Restricted Working Space, Add	*74.78*	
23 31 13 13-1130	LF	74" x 76", 18 Gauge Galvanized Steel Duct	304.88	151.58
		For Flat Oval, Add	*7.84*	
		For Work In Restricted Working Space, Add	*75.79*	
23 31 13 13-1131	LF	74" x 78", 18 Gauge Galvanized Steel Duct	308.93	153.60
		For Flat Oval, Add	*7.94*	
		For Work In Restricted Working Space, Add	*76.80*	
23 31 13 13-1132	LF	74" x 80", 18 Gauge Galvanized Steel Duct	313.02	155.61
		For Flat Oval, Add	*8.05*	
		For Work In Restricted Working Space, Add	*77.81*	
23 31 13 13-1133	LF	74" x 82", 18 Gauge Galvanized Steel Duct	317.07	157.64
		For Flat Oval, Add	*8.15*	
		For Work In Restricted Working Space, Add	*78.82*	
23 31 13 13-1134	LF	74" x 84", 18 Gauge Galvanized Steel Duct	321.14	159.66
		For Flat Oval, Add	*8.26*	
		For Work In Restricted Working Space, Add	*79.83*	
23 31 13 13-1135	LF	74" x 86", 18 Gauge Galvanized Steel Duct	325.20	161.69
		For Flat Oval, Add	*8.36*	
		For Work In Restricted Working Space, Add	*80.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1136	LF	76" x 76", 18 Gauge Galvanized Steel Duct	308.93	153.60
		For Flat Oval, Add	*7.94*	
		For Work In Restricted Working Space, Add	*76.80*	
23 31 13 13-1137	LF	76" x 78", 18 Gauge Galvanized Steel Duct	313.02	155.61
		For Flat Oval, Add	*8.05*	
		For Work In Restricted Working Space, Add	*77.81*	
23 31 13 13-1138	LF	76" x 80", 18 Gauge Galvanized Steel Duct	317.07	157.64
		For Flat Oval, Add	*8.15*	
		For Work In Restricted Working Space, Add	*78.82*	
23 31 13 13-1139	LF	76" x 82", 18 Gauge Galvanized Steel Duct	321.14	159.66
		For Flat Oval, Add	*8.26*	
		For Work In Restricted Working Space, Add	*79.83*	
23 31 13 13-1140	LF	76" x 84", 18 Gauge Galvanized Steel Duct	325.20	161.69
		For Flat Oval, Add	*8.36*	
		For Work In Restricted Working Space, Add	*80.84*	
23 31 13 13-1141	LF	76" x 86", 18 Gauge Galvanized Steel Duct	329.27	163.70
		For Flat Oval, Add	*8.46*	
		For Work In Restricted Working Space, Add	*81.85*	
23 31 13 13-1142	LF	78" x 78", 18 Gauge Galvanized Steel Duct	317.07	157.64
		For Flat Oval, Add	*8.15*	
		For Work In Restricted Working Space, Add	*78.82*	
23 31 13 13-1143	LF	78" x 80", 18 Gauge Galvanized Steel Duct	321.14	159.66
		For Flat Oval, Add	*8.26*	
		For Work In Restricted Working Space, Add	*79.83*	
23 31 13 13-1144	LF	78" x 82", 18 Gauge Galvanized Steel Duct	325.20	161.69
		For Flat Oval, Add	*8.36*	
		For Work In Restricted Working Space, Add	*80.84*	
23 31 13 13-1145	LF	78" x 84", 18 Gauge Galvanized Steel Duct	329.27	163.70
		For Flat Oval, Add	*8.46*	
		For Work In Restricted Working Space, Add	*81.85*	
23 31 13 13-1146	LF	78" x 86", 18 Gauge Galvanized Steel Duct	333.33	165.72
		For Flat Oval, Add	*8.57*	
		For Work In Restricted Working Space, Add	*82.86*	
23 31 13 13-1147	LF	80" x 80", 18 Gauge Galvanized Steel Duct	325.20	161.69
		For Flat Oval, Add	*8.36*	
		For Work In Restricted Working Space, Add	*80.84*	
23 31 13 13-1148	LF	80" x 82", 18 Gauge Galvanized Steel Duct	329.27	163.70
		For Flat Oval, Add	*8.46*	
		For Work In Restricted Working Space, Add	*81.85*	
23 31 13 13-1149	LF	80" x 84", 18 Gauge Galvanized Steel Duct	333.33	165.72
		For Flat Oval, Add	*8.57*	
		For Work In Restricted Working Space, Add	*82.86*	
23 31 13 13-1150	LF	80" x 86", 18 Gauge Galvanized Steel Duct	337.41	167.75
		For Flat Oval, Add	*8.67*	
		For Work In Restricted Working Space, Add	*83.87*	
23 31 13 13-1151	LF	82" x 82", 18 Gauge Galvanized Steel Duct	333.33	165.72
		For Flat Oval, Add	*8.57*	
		For Work In Restricted Working Space, Add	*82.86*	
23 31 13 13-1152	LF	82" x 84", 18 Gauge Galvanized Steel Duct	337.41	167.75
		For Flat Oval, Add	*8.67*	
		For Work In Restricted Working Space, Add	*83.87*	
23 31 13 13-1153	LF	82" x 86", 18 Gauge Galvanized Steel Duct	341.46	169.76
		For Flat Oval, Add	*8.78*	
		For Work In Restricted Working Space, Add	*84.88*	
23 31 13 13-1154	LF	84" x 84", 18 Gauge Galvanized Steel Duct	341.46	169.76
		For Flat Oval, Add	*8.78*	
		For Work In Restricted Working Space, Add	*84.88*	
23 31 13 13-1155	LF	84" x 86", 18 Gauge Galvanized Steel Duct	345.53	171.79
		For Flat Oval, Add	*8.88*	
		For Work In Restricted Working Space, Add	*85.89*	
23 31 13 13-1156	LF	86" x 86", 18 Gauge Galvanized Steel Duct	349.59	173.81
		For Flat Oval, Add	*8.99*	
		For Work In Restricted Working Space, Add	*86.90*	

23 31 13 13-1157 Stainless Steel Sheet Metal Duct Type 304 *(23 31 13 13-0001)*

Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF; 10 gauge – 5.670 LB/SF; Add 10% additional material for lappage.

23 31 13 13-1158	LB	Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304	14.63	3.40
		For Type 316 Stainless Steel, Add	*0.30*	
		For Welded Seams, Add	*5.95*	
		For Work In Restricted Working Space, Add	*3.48*	
		For Up To 200, Add	*5.30*	
		For >200 To 500, Add	*3.39*	
		For >500 To 1,000, Add	*2.26*	
		For >1,000 To 2,000, Add	*1.26*	
		For >2,000 To 5,000, Add	*0.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1159	LB	Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304	16.75	4.26
		For Type 316 Stainless Steel, Add	*0.35*	
		For Welded Seams, Add	*6.80*	
		For Work In Restricted Working Space, Add	*3.98*	
		For Up To 200, Add	*6.08*	
		For >200 To 500, Add	*3.89*	
		For >500 To 1,000, Add	*2.59*	
		For >1,000 To 2,000, Add	*1.45*	
		For >2,000 To 5,000, Add	*0.64*	
23 31 13 13-1160	LB	Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304	20.43	5.12
		For Type 316 Stainless Steel, Add	*0.42*	
		For Welded Seams, Add	*8.31*	
		For Work In Restricted Working Space, Add	*4.86*	
		For Up To 200, Add	*7.40*	
		For >200 To 500, Add	*4.74*	
		For >500 To 1,000, Add	*3.16*	
		For >1,000 To 2,000, Add	*1.76*	
		For >2,000 To 5,000, Add	*0.77*	

23 31 13 13-1161 Rework Sheet Metal Ductwork *(23 31 13 13)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 31 13 13-1162	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	25.57	
23 31 13 13-1163	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	49.85	
23 31 13 13-1164	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	65.87	
23 31 13 13-1165	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	82.49	
23 31 13 13-1166	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	115.04	
23 31 13 13-1167	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	134.21	
23 31 13 13-1168	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	153.40	
23 31 13 13-1169	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	172.56	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Factory Fabricated Field Installed Low Pressure Round Duct *(23 31 13 16)*

Note: Based on 26 gauge.

23 31 13 16-0002 Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	5.25	2.20
		For 28 Gauge, Deduct	*-0.10*	
		For 24 Gauge, Add	*0.10*	
		For 22 Gauge, Add	*0.21*	
		For 20 Gauge, Add	*0.31*	
		For 18 Gauge, Add	*0.41*	
		For 16 Gauge, Add	*0.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.56*	
		For Acid Resistant Asphaltum Coating, Add	*3.76*	
		For Work In Restricted Working Space, Add	*1.35*	
23 31 13 16-0004	LF	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	5.95	2.49
		For 28 Gauge, Deduct	*-0.13*	
		For 24 Gauge, Add	*0.13*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.39*	
		For 18 Gauge, Add	*0.52*	
		For 16 Gauge, Add	*0.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.70*	
		For Acid Resistant Asphaltum Coating, Add	*4.20*	
		For Work In Restricted Working Space, Add	*1.50*	
23 31 13 16-0005	LF	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	6.71	3.00
		For 28 Gauge, Deduct	*-0.15*	
		For 24 Gauge, Add	*0.15*	
		For 22 Gauge, Add	*0.30*	
		For 20 Gauge, Add	*0.45*	
		For 18 Gauge, Add	*0.60*	
		For 16 Gauge, Add	*0.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.81*	
		For Acid Resistant Asphaltum Coating, Add	*4.64*	
		For Work In Restricted Working Space, Add	*1.69*	
23 31 13 16-0006	LF	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	7.72	3.50
		For 28 Gauge, Deduct	*-0.18*	
		For 24 Gauge, Add	*0.18*	
		For 22 Gauge, Add	*0.36*	
		For 20 Gauge, Add	*0.53*	
		For 18 Gauge, Add	*0.71*	
		For 16 Gauge, Add	*0.87*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.95*	
		For Acid Resistant Asphaltum Coating, Add	*5.08*	
		For Work In Restricted Working Space, Add	*1.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0007	LF	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	8.92	3.99
		For 28 Gauge, Deduct	*-0.20*	
		For 24 Gauge, Add	*0.20*	
		For 22 Gauge, Add	*0.39*	
		For 20 Gauge, Add	*0.59*	
		For 18 Gauge, Add	*0.79*	
		For 16 Gauge, Add	*0.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.06*	
		For Acid Resistant Asphaltum Coating, Add	*5.52*	
		For Work In Restricted Working Space, Add	*2.25*	
23 31 13 16-0008	LF	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	10.75	5.00
		For 28 Gauge, Deduct	*-0.24*	
		For 24 Gauge, Add	*0.24*	
		For 22 Gauge, Add	*0.48*	
		For 20 Gauge, Add	*0.73*	
		For 18 Gauge, Add	*0.97*	
		For 16 Gauge, Add	*1.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.30*	
		For Acid Resistant Asphaltum Coating, Add	*6.40*	
		For Work In Restricted Working Space, Add	*2.70*	
23 31 13 16-0009	LF	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	13.41	6.70
		For 28 Gauge, Deduct	*-0.30*	
		For 24 Gauge, Add	*0.30*	
		For 22 Gauge, Add	*0.60*	
		For 20 Gauge, Add	*0.90*	
		For 18 Gauge, Add	*1.19*	
		For 16 Gauge, Add	*1.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.61*	
		For Acid Resistant Asphaltum Coating, Add	*6.90*	
		For Work In Restricted Working Space, Add	*3.37*	
23 31 13 16-0010	LF	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	16.57	9.99
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.69*	
		For 20 Gauge, Add	*1.04*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.86*	
		For Acid Resistant Asphaltum Coating, Add	*7.26*	
		For Work In Restricted Working Space, Add	*4.22*	
23 31 13 16-0011	LF	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	22.47	13.39
		For 28 Gauge, Deduct	*-0.52*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.03*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.05*	
		For 16 Gauge, Add	*2.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.76*	
		For Acid Resistant Asphaltum Coating, Add	*7.58*	
		For Work In Restricted Working Space, Add	*5.62*	

23 31 13 16-0012 Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0013	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	30.18	13.34
		For 28 Gauge, Deduct	*-0.49*	
		For 24 Gauge, Add	*0.48*	
		For 22 Gauge, Add	*0.97*	
		For 20 Gauge, Add	*1.45*	
		For 18 Gauge, Add	*1.93*	
		For 16 Gauge, Add	*2.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.60*	
		For Work In Restricted Working Space, Add	*8.00*	
23 31 13 16-0014	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	34.61	15.39
		For 28 Gauge, Deduct	*-0.53*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.06*	
		For 20 Gauge, Add	*1.59*	
		For 18 Gauge, Add	*2.11*	
		For 16 Gauge, Add	*2.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.83*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 16-0015	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	40.67	18.18
		For 28 Gauge, Deduct	*-0.60*	
		For 24 Gauge, Add	*0.59*	
		For 22 Gauge, Add	*1.18*	
		For 20 Gauge, Add	*1.78*	
		For 18 Gauge, Add	*2.37*	
		For 16 Gauge, Add	*2.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.18*	
		For Work In Restricted Working Space, Add	*10.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	52.05	23.37
		For 28 Gauge, Deduct	*-0.73*	
		For 24 Gauge, Add	*0.73*	
		For 22 Gauge, Add	*1.46*	
		For 20 Gauge, Add	*2.19*	
		For 18 Gauge, Add	*2.91*	
		For 16 Gauge, Add	*3.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.91*	
		For Work In Restricted Working Space, Add	*14.03*	
23 31 13 16-0017	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	62.66	28.47
		For 28 Gauge, Deduct	*-0.79*	
		For 24 Gauge, Add	*0.79*	
		For 22 Gauge, Add	*1.57*	
		For 20 Gauge, Add	*2.36*	
		For 18 Gauge, Add	*3.14*	
		For 16 Gauge, Add	*3.85*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.23*	
		For Work In Restricted Working Space, Add	*17.09*	
23 31 13 16-0018	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	96.46	44.46
		For 28 Gauge, Deduct	*-1.04*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.08*	
		For 20 Gauge, Add	*3.12*	
		For 18 Gauge, Add	*4.15*	
		For 16 Gauge, Add	*5.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.58*	
		For Work In Restricted Working Space, Add	*26.68*	
23 31 13 16-0019	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	133.10	61.44
		For 28 Gauge, Deduct	*-1.41*	
		For 24 Gauge, Add	*1.41*	
		For 22 Gauge, Add	*2.81*	
		For 20 Gauge, Add	*4.23*	
		For 18 Gauge, Add	*5.62*	
		For 16 Gauge, Add	*6.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.56*	
		For Work In Restricted Working Space, Add	*36.87*	
23 31 13 16-0020	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	161.02	72.69
		For 28 Gauge, Deduct	*-2.17*	
		For 24 Gauge, Add	*2.16*	
		For 22 Gauge, Add	*4.31*	
		For 20 Gauge, Add	*6.48*	
		For 18 Gauge, Add	*8.61*	
		For 16 Gauge, Add	*10.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.58*	
		For Work In Restricted Working Space, Add	*43.61*	
23 31 13 16-0021	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	182.29	79.93
		For 28 Gauge, Deduct	*-3.11*	
		For 24 Gauge, Add	*3.10*	
		For 22 Gauge, Add	*6.18*	
		For 20 Gauge, Add	*9.29*	
		For 18 Gauge, Add	*12.34*	
		For 16 Gauge, Add	*15.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.60*	
		For Work In Restricted Working Space, Add	*47.96*	
23 31 13 16-0022		Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbows *(23 31 13 16-0001)*		
23 31 13 16-0023	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	25.43	8.99
		For 28 Gauge, Deduct	*-0.41*	
		For 24 Gauge, Add	*0.41*	
		For 22 Gauge, Add	*0.81*	
		For 20 Gauge, Add	*1.22*	
		For 18 Gauge, Add	*1.62*	
		For 16 Gauge, Add	*1.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.18*	
		For Work In Restricted Working Space, Add	*6.74*	
23 31 13 16-0024	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	29.06	10.29
		For 28 Gauge, Deduct	*-0.47*	
		For 24 Gauge, Add	*0.47*	
		For 22 Gauge, Add	*0.93*	
		For 20 Gauge, Add	*1.40*	
		For 18 Gauge, Add	*1.85*	
		For 16 Gauge, Add	*2.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.49*	
		For Work In Restricted Working Space, Add	*7.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0025	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	33.81	11.99
		For 28 Gauge, Deduct	*-0.53*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.06*	
		For 20 Gauge, Add	*1.59*	
		For 18 Gauge, Add	*2.11*	
		For 16 Gauge, Add	*2.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.84*	
		For Work In Restricted Working Space, Add	*8.99*	
23 31 13 16-0026	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	40.03	14.38
		For 28 Gauge, Deduct	*-0.56*	
		For 24 Gauge, Add	*0.56*	
		For 22 Gauge, Add	*1.12*	
		For 20 Gauge, Add	*1.68*	
		For 18 Gauge, Add	*2.23*	
		For 16 Gauge, Add	*2.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.00*	
		For Work In Restricted Working Space, Add	*10.79*	
23 31 13 16-0027	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	49.68	17.98
		For 28 Gauge, Deduct	*-0.65*	
		For 24 Gauge, Add	*0.65*	
		For 22 Gauge, Add	*1.30*	
		For 20 Gauge, Add	*1.95*	
		For 18 Gauge, Add	*2.60*	
		For 16 Gauge, Add	*3.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.49*	
		For Work In Restricted Working Space, Add	*13.49*	
23 31 13 16-0028	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	66.68	23.98
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.86*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.71*	
		For 16 Gauge, Add	*4.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.99*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 16-0029	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	98.84	35.97
		For 28 Gauge, Deduct	*-1.24*	
		For 24 Gauge, Add	*1.23*	
		For 22 Gauge, Add	*2.46*	
		For 20 Gauge, Add	*3.69*	
		For 18 Gauge, Add	*4.91*	
		For 16 Gauge, Add	*6.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.60*	
		For Work In Restricted Working Space, Add	*26.98*	
23 31 13 16-0030	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	131.59	45.96
		For 28 Gauge, Deduct	*-2.31*	
		For 24 Gauge, Add	*2.30*	
		For 22 Gauge, Add	*4.60*	
		For 20 Gauge, Add	*6.91*	
		For 18 Gauge, Add	*9.18*	
		For 16 Gauge, Add	*11.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.35*	
		For Work In Restricted Working Space, Add	*34.47*	
23 31 13 16-0031	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	165.29	57.95
		For 28 Gauge, Deduct	*-2.83*	
		For 24 Gauge, Add	*2.82*	
		For 22 Gauge, Add	*5.63*	
		For 20 Gauge, Add	*8.45*	
		For 18 Gauge, Add	*11.23*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.11*	
		For Work In Restricted Working Space, Add	*43.46*	

23 31 13 16-0032 Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0033	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	24.34	8.99
		For 28 Gauge, Deduct	*-0.26*	
		For 24 Gauge, Add	*0.26*	
		For 22 Gauge, Add	*0.51*	
		For 20 Gauge, Add	*0.77*	
		For 18 Gauge, Add	*1.02*	
		For 16 Gauge, Add	*1.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0034	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	28.07	10.29
		For 28 Gauge, Deduct	*-0.33*	
		For 24 Gauge, Add	*0.33*	
		For 22 Gauge, Add	*0.66*	
		For 20 Gauge, Add	*0.99*	
		For 18 Gauge, Add	*1.31*	
		For 16 Gauge, Add	*1.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.71*	
23 31 13 16-0035	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	32.57	11.99
		For 28 Gauge, Deduct	*-0.36*	
		For 24 Gauge, Add	*0.36*	
		For 22 Gauge, Add	*0.72*	
		For 20 Gauge, Add	*1.08*	
		For 18 Gauge, Add	*1.43*	
		For 16 Gauge, Add	*1.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.92*	
		For Work In Restricted Working Space, Add	*8.99*	
23 31 13 16-0036	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	38.99	14.38
		For 28 Gauge, Deduct	*-0.42*	
		For 24 Gauge, Add	*0.42*	
		For 22 Gauge, Add	*0.83*	
		For 20 Gauge, Add	*1.25*	
		For 18 Gauge, Add	*1.66*	
		For 16 Gauge, Add	*2.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.23*	
		For Work In Restricted Working Space, Add	*10.79*	
23 31 13 16-0037	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	48.39	17.98
		For 28 Gauge, Deduct	*-0.48*	
		For 24 Gauge, Add	*0.47*	
		For 22 Gauge, Add	*0.94*	
		For 20 Gauge, Add	*1.42*	
		For 18 Gauge, Add	*1.89*	
		For 16 Gauge, Add	*2.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.54*	
		For Work In Restricted Working Space, Add	*13.49*	
23 31 13 16-0038	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	65.18	23.98
		For 28 Gauge, Deduct	*-0.73*	
		For 24 Gauge, Add	*0.72*	
		For 22 Gauge, Add	*1.44*	
		For 20 Gauge, Add	*2.17*	
		For 18 Gauge, Add	*2.88*	
		For 16 Gauge, Add	*3.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 16-0039	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	96.66	35.97
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.86*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.71*	
		For 16 Gauge, Add	*4.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.99*	
		For Work In Restricted Working Space, Add	*26.98*	
23 31 13 16-0040	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	126.56	45.96
		For 28 Gauge, Deduct	*-1.61*	
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.21*	
		For 20 Gauge, Add	*4.83*	
		For 18 Gauge, Add	*6.41*	
		For 16 Gauge, Add	*7.87*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.63*	
		For Work In Restricted Working Space, Add	*34.47*	
23 31 13 16-0041	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	164.00	57.95
		For 28 Gauge, Deduct	*-2.65*	
		For 24 Gauge, Add	*2.64*	
		For 22 Gauge, Add	*5.27*	
		For 20 Gauge, Add	*7.92*	
		For 18 Gauge, Add	*10.52*	
		For 16 Gauge, Add	*12.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.16*	
		For Work In Restricted Working Space, Add	*43.46*	

23 31 13 16-0042 Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tees *(23 31 13 16-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0043	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	37.85	13.49
		For 28 Gauge, Deduct	*-0.57*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.14*	
		For 20 Gauge, Add	*1.71*	
		For 18 Gauge, Add	*2.28*	
		For 16 Gauge, Add	*2.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.06*	
		For Work In Restricted Working Space, Add	*10.11*	
23 31 13 16-0044	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	44.03	15.39
		For 28 Gauge, Deduct	*-0.76*	
		For 24 Gauge, Add	*0.76*	
		For 22 Gauge, Add	*1.51*	
		For 20 Gauge, Add	*2.27*	
		For 18 Gauge, Add	*3.02*	
		For 16 Gauge, Add	*3.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.06*	
		For Work In Restricted Working Space, Add	*11.56*	
23 31 13 16-0045	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	50.92	17.98
		For 28 Gauge, Deduct	*-0.83*	
		For 24 Gauge, Add	*0.82*	
		For 22 Gauge, Add	*1.64*	
		For 20 Gauge, Add	*2.47*	
		For 18 Gauge, Add	*3.28*	
		For 16 Gauge, Add	*4.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.41*	
		For Work In Restricted Working Space, Add	*13.49*	
23 31 13 16-0046	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	60.81	21.58
		For 28 Gauge, Deduct	*-0.95*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.89*	
		For 20 Gauge, Add	*2.84*	
		For 18 Gauge, Add	*3.77*	
		For 16 Gauge, Add	*4.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.08*	
		For Work In Restricted Working Space, Add	*16.19*	
23 31 13 16-0047	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	78.54	26.97
		For 28 Gauge, Deduct	*-1.54*	
		For 24 Gauge, Add	*1.53*	
		For 22 Gauge, Add	*3.06*	
		For 20 Gauge, Add	*4.59*	
		For 18 Gauge, Add	*6.10*	
		For 16 Gauge, Add	*7.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.21*	
		For Work In Restricted Working Space, Add	*20.24*	
23 31 13 16-0048	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	104.07	35.97
		For 28 Gauge, Deduct	*-1.96*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.90*	
		For 20 Gauge, Add	*5.86*	
		For 18 Gauge, Add	*7.78*	
		For 16 Gauge, Add	*9.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.47*	
		For Work In Restricted Working Space, Add	*26.98*	
23 31 13 16-0049	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	149.00	53.95
		For 28 Gauge, Deduct	*-1.96*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.90*	
		For 20 Gauge, Add	*5.86*	
		For 18 Gauge, Add	*7.78*	
		For 16 Gauge, Add	*9.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.47*	
		For Work In Restricted Working Space, Add	*40.46*	
23 31 13 16-0050	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	199.21	68.73
		For 28 Gauge, Deduct	*-3.73*	
		For 24 Gauge, Add	*3.72*	
		For 22 Gauge, Add	*7.42*	
		For 20 Gauge, Add	*11.16*	
		For 18 Gauge, Add	*14.82*	
		For 16 Gauge, Add	*18.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.94*	
		For Work In Restricted Working Space, Add	*51.68*	
23 31 13 16-0051	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	255.04	87.12
		For 28 Gauge, Deduct	*-5.24*	
		For 24 Gauge, Add	*5.22*	
		For 22 Gauge, Add	*10.42*	
		For 20 Gauge, Add	*15.67*	
		For 18 Gauge, Add	*20.81*	
		For 16 Gauge, Add	*25.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.00*	
		For Work In Restricted Working Space, Add	*65.16*	

23 31 13 16-0052 Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connectors *(23 31 13 16-0001)*

copyright 2018 The Gordian Group, Inc.

			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0053	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	17.37	
			For Work In Restricted Working Space, Add	*4.79*	
23 31 13 16-0054	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	18.29	
			For Work In Restricted Working Space, Add	*5.04*	
23 31 13 16-0055	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	19.59	
			For Work In Restricted Working Space, Add	*5.39*	
23 31 13 16-0056	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	20.82	
			For Work In Restricted Working Space, Add	*5.69*	
23 31 13 16-0057	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	22.55	
			For Work In Restricted Working Space, Add	*6.14*	
23 31 13 16-0058	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	26.15	
			For Work In Restricted Working Space, Add	*6.86*	
23 31 13 16-0059	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	35.91	
			For Work In Restricted Working Space, Add	*9.59*	
23 31 13 16-0060	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	40.96	
			For Work In Restricted Working Space, Add	*10.91*	
23 31 13 16-0061	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	45.00	
			For Work In Restricted Working Space, Add	*11.96*	

23 31 13 16-0062 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0063 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0062)*

23 31 13 16-0064	LF		4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	6.03	0.92
			For 24 Gauge, Add	*0.22*	
			For 22 Gauge, Add	*0.51*	
			For 20 Gauge, Add	*0.83*	
			For 18 Gauge, Add	*1.27*	
			For 16 Gauge, Add	*1.54*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.81*	
			For Work In Restricted Working Space, Add	*1.48*	
23 31 13 16-0065	LF		6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	7.52	1.84
			For 24 Gauge, Add	*0.32*	
			For 22 Gauge, Add	*0.74*	
			For 20 Gauge, Add	*1.20*	
			For 18 Gauge, Add	*1.84*	
			For 16 Gauge, Add	*2.24*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.18*	
			For Work In Restricted Working Space, Add	*1.78*	
23 31 13 16-0066	LF		8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	9.44	1.84
			For 24 Gauge, Add	*0.42*	
			For 22 Gauge, Add	*0.97*	
			For 20 Gauge, Add	*1.58*	
			For 18 Gauge, Add	*2.43*	
			For 16 Gauge, Add	*2.95*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.56*	
			For Work In Restricted Working Space, Add	*2.20*	
23 31 13 16-0067	LF		10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	11.41	1.84
			For 24 Gauge, Add	*0.52*	
			For 22 Gauge, Add	*1.20*	
			For 20 Gauge, Add	*1.95*	
			For 18 Gauge, Add	*2.99*	
			For 16 Gauge, Add	*3.64*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.92*	
			For Work In Restricted Working Space, Add	*2.64*	
23 31 13 16-0068	LF		12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	14.24	2.76
			For 24 Gauge, Add	*0.64*	
			For 22 Gauge, Add	*1.47*	
			For 20 Gauge, Add	*2.40*	
			For 18 Gauge, Add	*3.68*	
			For 16 Gauge, Add	*4.48*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.37*	
			For Work In Restricted Working Space, Add	*3.31*	
23 31 13 16-0069	LF		14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	17.50	2.76
			For 24 Gauge, Add	*0.74*	
			For 22 Gauge, Add	*1.70*	
			For 20 Gauge, Add	*2.78*	
			For 18 Gauge, Add	*4.26*	
			For 16 Gauge, Add	*5.18*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.74*	
			For Work In Restricted Working Space, Add	*4.14*	
23 31 13 16-0070	LF		16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	23.76	2.76
			For 24 Gauge, Add	*1.08*	
			For 22 Gauge, Add	*2.47*	
			For 20 Gauge, Add	*4.04*	
			For 18 Gauge, Add	*6.19*	
			For 16 Gauge, Add	*7.53*	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.98*	
			For Work In Restricted Working Space, Add	*5.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	LF	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	27.39	3.68
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.75*	
		For 20 Gauge, Add	*4.48*	
		For 18 Gauge, Add	*6.87*	
		For 16 Gauge, Add	*8.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.42*	
		For Work In Restricted Working Space, Add	*6.43*	
23 31 13 16-0072	LF	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	30.99	3.68
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*3.06*	
		For 20 Gauge, Add	*5.00*	
		For 18 Gauge, Add	*7.66*	
		For 16 Gauge, Add	*9.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.93*	
		For Work In Restricted Working Space, Add	*7.30*	
23 31 13 16-0073	LF	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	34.76	4.60
		For 24 Gauge, Add	*1.47*	
		For 22 Gauge, Add	*3.39*	
		For 20 Gauge, Add	*5.52*	
		For 18 Gauge, Add	*8.46*	
		For 16 Gauge, Add	*10.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.45*	
		For Work In Restricted Working Space, Add	*8.22*	
23 31 13 16-0074	LF	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	38.65	5.52
		For 24 Gauge, Add	*1.60*	
		For 22 Gauge, Add	*3.68*	
		For 20 Gauge, Add	*5.99*	
		For 18 Gauge, Add	*9.19*	
		For 16 Gauge, Add	*11.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.91*	
		For Work In Restricted Working Space, Add	*9.20*	

23 31 13 16-0075 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0062)*

23 31 13 16-0076	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	55.96	12.88
		For 24 Gauge, Add	*1.25*	
		For 22 Gauge, Add	*2.87*	
		For 20 Gauge, Add	*4.67*	
		For 18 Gauge, Add	*7.16*	
		For 16 Gauge, Add	*8.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.61*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 16-0077	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	82.44	18.40
		For 24 Gauge, Add	*1.77*	
		For 22 Gauge, Add	*4.07*	
		For 20 Gauge, Add	*6.63*	
		For 18 Gauge, Add	*10.17*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.54*	
		For Work In Restricted Working Space, Add	*22.08*	
23 31 13 16-0078	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	113.70	23.91
		For 24 Gauge, Add	*3.37*	
		For 22 Gauge, Add	*7.76*	
		For 20 Gauge, Add	*12.65*	
		For 18 Gauge, Add	*19.39*	
		For 16 Gauge, Add	*23.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.48*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0079	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	142.51	30.35
		For 24 Gauge, Add	*3.97*	
		For 22 Gauge, Add	*9.13*	
		For 20 Gauge, Add	*14.89*	
		For 18 Gauge, Add	*22.83*	
		For 16 Gauge, Add	*27.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.69*	
		For Work In Restricted Working Space, Add	*36.80*	
23 31 13 16-0080	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	176.64	38.63
		For 24 Gauge, Add	*4.66*	
		For 22 Gauge, Add	*10.72*	
		For 20 Gauge, Add	*17.48*	
		For 18 Gauge, Add	*26.81*	
		For 16 Gauge, Add	*32.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.25*	
		For Work In Restricted Working Space, Add	*46.00*	
23 31 13 16-0081	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	193.20	42.32
		For 24 Gauge, Add	*5.19*	
		For 22 Gauge, Add	*11.93*	
		For 20 Gauge, Add	*19.46*	
		For 18 Gauge, Add	*29.83*	
		For 16 Gauge, Add	*36.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.20*	
		For Work In Restricted Working Space, Add	*50.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0082	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	228.20	49.68
		For 24 Gauge, Add	*6.07*	
		For 22 Gauge, Add	*13.97*	
		For 20 Gauge, Add	*22.77*	
		For 18 Gauge, Add	*34.91*	
		For 16 Gauge, Add	*42.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.47*	
		For Work In Restricted Working Space, Add	*59.35*	
23 31 13 16-0083	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	280.26	61.63
		For 24 Gauge, Add	*6.99*	
		For 22 Gauge, Add	*16.07*	
		For 20 Gauge, Add	*26.21*	
		For 18 Gauge, Add	*40.18*	
		For 16 Gauge, Add	*48.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.86*	
		For Work In Restricted Working Space, Add	*73.60*	
23 31 13 16-0084	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	338.00	74.52
		For 24 Gauge, Add	*8.25*	
		For 22 Gauge, Add	*18.97*	
		For 20 Gauge, Add	*30.93*	
		For 18 Gauge, Add	*47.43*	
		For 16 Gauge, Add	*57.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.52*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 16-0085	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	393.96	86.47
		For 24 Gauge, Add	*9.36*	
		For 22 Gauge, Add	*21.53*	
		For 20 Gauge, Add	*35.11*	
		For 18 Gauge, Add	*53.83*	
		For 16 Gauge, Add	*65.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.64*	
		For Work In Restricted Working Space, Add	*104.15*	
23 31 13 16-0086	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	449.23	98.44
		For 24 Gauge, Add	*11.55*	
		For 22 Gauge, Add	*26.57*	
		For 20 Gauge, Add	*43.32*	
		For 18 Gauge, Add	*66.42*	
		For 16 Gauge, Add	*80.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.74*	
		For Work In Restricted Working Space, Add	*117.44*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0062)*

23 31 13 16-0088	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	56.25	12.88
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*3.00*	
		For 20 Gauge, Add	*4.89*	
		For 18 Gauge, Add	*7.50*	
		For 16 Gauge, Add	*9.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.82*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 16-0089	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	80.92	18.40
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*3.37*	
		For 20 Gauge, Add	*5.49*	
		For 18 Gauge, Add	*8.42*	
		For 16 Gauge, Add	*10.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.42*	
		For Work In Restricted Working Space, Add	*22.08*	
23 31 13 16-0090	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	106.66	23.91
		For 24 Gauge, Add	*1.96*	
		For 22 Gauge, Add	*4.52*	
		For 20 Gauge, Add	*7.37*	
		For 18 Gauge, Add	*11.29*	
		For 16 Gauge, Add	*13.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.27*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0091	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	134.94	30.35
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*5.65*	
		For 20 Gauge, Add	*9.21*	
		For 18 Gauge, Add	*14.12*	
		For 16 Gauge, Add	*17.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.09*	
		For Work In Restricted Working Space, Add	*36.80*	
23 31 13 16-0092	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	167.59	38.63
		For 24 Gauge, Add	*2.85*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*10.70*	
		For 18 Gauge, Add	*16.40*	
		For 16 Gauge, Add	*19.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.55*	
		For Work In Restricted Working Space, Add	*46.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0093	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	183.12	42.32
		For 24 Gauge, Add	*3.17*	
		For 22 Gauge, Add	*7.30*	
		For 20 Gauge, Add	*11.90*	
		For 18 Gauge, Add	*18.24*	
		For 16 Gauge, Add	*22.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.74*	
		For Work In Restricted Working Space, Add	*50.18*	
23 31 13 16-0094	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	223.84	49.68
		For 24 Gauge, Add	*5.20*	
		For 22 Gauge, Add	*11.96*	
		For 20 Gauge, Add	*19.50*	
		For 18 Gauge, Add	*29.90*	
		For 16 Gauge, Add	*36.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.24*	
		For Work In Restricted Working Space, Add	*59.35*	
23 31 13 16-0095	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	277.17	61.63
		For 24 Gauge, Add	*6.37*	
		For 22 Gauge, Add	*14.65*	
		For 20 Gauge, Add	*23.89*	
		For 18 Gauge, Add	*36.63*	
		For 16 Gauge, Add	*44.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.57*	
		For Work In Restricted Working Space, Add	*73.60*	
23 31 13 16-0096	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	337.05	74.52
		For 24 Gauge, Add	*8.06*	
		For 22 Gauge, Add	*18.53*	
		For 20 Gauge, Add	*30.22*	
		For 18 Gauge, Add	*46.33*	
		For 16 Gauge, Add	*56.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.81*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 16-0097	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	383.22	86.47
		For 24 Gauge, Add	*7.21*	
		For 22 Gauge, Add	*16.59*	
		For 20 Gauge, Add	*27.05*	
		For 18 Gauge, Add	*41.48*	
		For 16 Gauge, Add	*50.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.69*	
		For Work In Restricted Working Space, Add	*104.15*	
23 31 13 16-0098	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	445.41	98.44
		For 24 Gauge, Add	*10.79*	
		For 22 Gauge, Add	*24.81*	
		For 20 Gauge, Add	*40.46*	
		For 18 Gauge, Add	*62.03*	
		For 16 Gauge, Add	*75.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.92*	
		For Work In Restricted Working Space, Add	*117.44*	
23 31 13 16-0099		**Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals** *(23 31 13 16-0062)*		
23 31 13 16-0100	EA	6" x 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	110.85	23.91
		For 24 Gauge, Add	*2.80*	
		For 22 Gauge, Add	*6.44*	
		For 20 Gauge, Add	*10.51*	
		For 18 Gauge, Add	*16.11*	
		For 16 Gauge, Add	*19.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.37*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0101	EA	8" x 8" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	168.02	38.63
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*6.76*	
		For 20 Gauge, Add	*11.02*	
		For 18 Gauge, Add	*16.89*	
		For 16 Gauge, Add	*20.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.87*	
		For Work In Restricted Working Space, Add	*46.00*	
23 31 13 16-0102	EA	10" x 10" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	213.97	49.68
		For 24 Gauge, Add	*3.23*	
		For 22 Gauge, Add	*7.42*	
		For 20 Gauge, Add	*12.10*	
		For 18 Gauge, Add	*18.55*	
		For 16 Gauge, Add	*22.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.94*	
		For Work In Restricted Working Space, Add	*59.35*	
23 31 13 16-0103	EA	12" x 12" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	262.17	61.63
		For 24 Gauge, Add	*3.37*	
		For 22 Gauge, Add	*7.75*	
		For 20 Gauge, Add	*12.64*	
		For 18 Gauge, Add	*19.38*	
		For 16 Gauge, Add	*23.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.47*	
		For Work In Restricted Working Space, Add	*73.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0104	EA	14" x 14" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	314.16	74.52
		For 24 Gauge, Add	*3.48*	
		For 22 Gauge, Add	*8.00*	
		For 20 Gauge, Add	*13.05*	
		For 18 Gauge, Add	*20.01*	
		For 16 Gauge, Add	*24.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.88*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 16-0105	EA	16" x 16" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	366.07	86.47
		For 24 Gauge, Add	*3.78*	
		For 22 Gauge, Add	*8.70*	
		For 20 Gauge, Add	*14.19*	
		For 18 Gauge, Add	*21.76*	
		For 16 Gauge, Add	*26.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.00*	
		For Work In Restricted Working Space, Add	*104.15*	
23 31 13 16-0106	EA	18" x 18" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	411.15	98.44
		For 24 Gauge, Add	*3.94*	
		For 22 Gauge, Add	*9.05*	
		For 20 Gauge, Add	*14.76*	
		For 18 Gauge, Add	*22.63*	
		For 16 Gauge, Add	*27.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.56*	
		For Work In Restricted Working Space, Add	*117.44*	
23 31 13 16-0107	EA	20" x 20" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	469.15	112.24
		For 24 Gauge, Add	*4.08*	
		For 22 Gauge, Add	*9.38*	
		For 20 Gauge, Add	*15.30*	
		For 18 Gauge, Add	*23.46*	
		For 16 Gauge, Add	*28.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.10*	
		For Work In Restricted Working Space, Add	*134.63*	
23 31 13 16-0108	EA	22" x 22" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	521.82	124.19
		For 24 Gauge, Add	*4.91*	
		For 22 Gauge, Add	*11.29*	
		For 20 Gauge, Add	*18.41*	
		For 18 Gauge, Add	*28.23*	
		For 16 Gauge, Add	*34.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.17*	
		For Work In Restricted Working Space, Add	*149.18*	
23 31 13 16-0109	EA	24" x 24" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	566.51	135.24
		For 24 Gauge, Add	*5.07*	
		For 22 Gauge, Add	*11.67*	
		For 20 Gauge, Add	*19.02*	
		For 18 Gauge, Add	*29.16*	
		For 16 Gauge, Add	*35.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.77*	
		For Work In Restricted Working Space, Add	*162.35*	
23 31 13 16-0110	EA	8" x 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	179.12	41.67
		For 24 Gauge, Add	*2.47*	
		For 22 Gauge, Add	*5.68*	
		For 20 Gauge, Add	*9.26*	
		For 18 Gauge, Add	*14.19*	
		For 16 Gauge, Add	*17.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.13*	
		For Work In Restricted Working Space, Add	*50.03*	
23 31 13 16-0111	EA	10" x 10" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	216.09	50.13
		For 24 Gauge, Add	*3.12*	
		For 22 Gauge, Add	*7.17*	
		For 20 Gauge, Add	*11.69*	
		For 18 Gauge, Add	*17.92*	
		For 16 Gauge, Add	*21.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.53*	
		For Work In Restricted Working Space, Add	*60.15*	
23 31 13 16-0112	EA	12" x 12" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	262.54	60.90
		For 24 Gauge, Add	*3.78*	
		For 22 Gauge, Add	*8.70*	
		For 20 Gauge, Add	*14.18*	
		For 18 Gauge, Add	*21.75*	
		For 16 Gauge, Add	*26.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.99*	
		For Work In Restricted Working Space, Add	*73.09*	
23 31 13 16-0113	EA	14" x 14" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	312.54	72.40
		For 24 Gauge, Add	*4.50*	
		For 22 Gauge, Add	*10.36*	
		For 20 Gauge, Add	*16.89*	
		For 18 Gauge, Add	*25.90*	
		For 16 Gauge, Add	*31.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.66*	
		For Work In Restricted Working Space, Add	*87.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0114	EA	16" x 16" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	398.26	93.10
		For 24 Gauge, Add	*5.22*	
		For 22 Gauge, Add	*12.01*	
		For 20 Gauge, Add	*19.58*	
		For 18 Gauge, Add	*30.03*	
		For 16 Gauge, Add	*36.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.32*	
		For Work In Restricted Working Space, Add	*111.65*	
23 31 13 16-0115	EA	18" x 18" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	442.17	103.31
		For 24 Gauge, Add	*5.85*	
		For 22 Gauge, Add	*13.46*	
		For 20 Gauge, Add	*21.95*	
		For 18 Gauge, Add	*33.65*	
		For 16 Gauge, Add	*40.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.65*	
		For Work In Restricted Working Space, Add	*123.87*	
23 31 13 16-0116	EA	20" x 20" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	502.67	117.57
		For 24 Gauge, Add	*6.66*	
		For 22 Gauge, Add	*15.32*	
		For 20 Gauge, Add	*24.98*	
		For 18 Gauge, Add	*38.30*	
		For 16 Gauge, Add	*46.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.64*	
		For Work In Restricted Working Space, Add	*140.81*	
23 31 13 16-0117	EA	22" x 22" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	538.18	125.39
		For 24 Gauge, Add	*7.42*	
		For 22 Gauge, Add	*17.08*	
		For 20 Gauge, Add	*27.84*	
		For 18 Gauge, Add	*42.69*	
		For 16 Gauge, Add	*51.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.47*	
		For Work In Restricted Working Space, Add	*150.32*	
23 31 13 16-0118	EA	24" x 24" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	583.93	135.97
		For 24 Gauge, Add	*8.04*	
		For 22 Gauge, Add	*18.50*	
		For 20 Gauge, Add	*30.17*	
		For 18 Gauge, Add	*46.25*	
		For 16 Gauge, Add	*56.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.76*	
		For Work In Restricted Working Space, Add	*163.11*	
23 31 13 16-0119	EA	10" x 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	236.91	55.19
		For 24 Gauge, Add	*3.28*	
		For 22 Gauge, Add	*7.55*	
		For 20 Gauge, Add	*12.31*	
		For 18 Gauge, Add	*18.87*	
		For 16 Gauge, Add	*22.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.14*	
		For Work In Restricted Working Space, Add	*66.15*	
23 31 13 16-0120	EA	12" x 12" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	287.95	67.16
		For 24 Gauge, Add	*3.98*	
		For 22 Gauge, Add	*9.15*	
		For 20 Gauge, Add	*14.93*	
		For 18 Gauge, Add	*22.89*	
		For 16 Gauge, Add	*27.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.73*	
		For Work In Restricted Working Space, Add	*80.42*	
23 31 13 16-0121	EA	14" x 14" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	342.71	79.57
		For 24 Gauge, Add	*4.74*	
		For 22 Gauge, Add	*10.91*	
		For 20 Gauge, Add	*17.79*	
		For 18 Gauge, Add	*27.28*	
		For 16 Gauge, Add	*33.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.55*	
		For Work In Restricted Working Space, Add	*95.70*	
23 31 13 16-0122	EA	16" x 16" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	397.84	92.73
		For 24 Gauge, Add	*5.50*	
		For 22 Gauge, Add	*12.65*	
		For 20 Gauge, Add	*20.62*	
		For 18 Gauge, Add	*31.61*	
		For 16 Gauge, Add	*38.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.34*	
		For Work In Restricted Working Space, Add	*111.11*	
23 31 13 16-0123	EA	18" x 18" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	445.20	103.68
		For 24 Gauge, Add	*6.16*	
		For 22 Gauge, Add	*14.17*	
		For 20 Gauge, Add	*23.10*	
		For 18 Gauge, Add	*35.42*	
		For 16 Gauge, Add	*43.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.79*	
		For Work In Restricted Working Space, Add	*124.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0124	EA	20" x 20" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	506.34	117.93
		For 24 Gauge, Add	*7.01*	
		For 22 Gauge, Add	*16.12*	
		For 20 Gauge, Add	*26.29*	
		For 18 Gauge, Add	*40.31*	
		For 16 Gauge, Add	*49.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.94*	
		For Work In Restricted Working Space, Add	*141.39*	
23 31 13 16-0125	EA	22" x 22" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	565.36	131.56
		For 24 Gauge, Add	*7.81*	
		For 22 Gauge, Add	*17.97*	
		For 20 Gauge, Add	*29.30*	
		For 18 Gauge, Add	*44.93*	
		For 16 Gauge, Add	*54.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.91*	
		For Work In Restricted Working Space, Add	*157.89*	
23 31 13 16-0126	EA	24" x 24" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	613.02	142.77
		For 24 Gauge, Add	*8.47*	
		For 22 Gauge, Add	*19.47*	
		For 20 Gauge, Add	*31.75*	
		For 18 Gauge, Add	*48.68*	
		For 16 Gauge, Add	*59.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.32*	
		For Work In Restricted Working Space, Add	*171.21*	

23 31 13 16-0127 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0062)*

23 31 13 16-0128	EA	6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	78.64	18.40
		For 24 Gauge, Add	*1.01*	
		For 22 Gauge, Add	*2.32*	
		For 20 Gauge, Add	*3.78*	
		For 18 Gauge, Add	*5.80*	
		For 16 Gauge, Add	*7.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.73*	
		For Work In Restricted Working Space, Add	*22.08*	
23 31 13 16-0129	EA	8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	102.39	23.91
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.55*	
		For 20 Gauge, Add	*4.16*	
		For 18 Gauge, Add	*6.38*	
		For 16 Gauge, Add	*7.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.11*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0130	EA	10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	128.80	30.35
		For 24 Gauge, Add	*1.23*	
		For 22 Gauge, Add	*2.82*	
		For 20 Gauge, Add	*4.61*	
		For 18 Gauge, Add	*7.06*	
		For 16 Gauge, Add	*8.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.54*	
		For Work In Restricted Working Space, Add	*36.80*	
23 31 13 16-0131	EA	12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	160.06	38.63
		For 24 Gauge, Add	*1.35*	
		For 22 Gauge, Add	*3.10*	
		For 20 Gauge, Add	*5.05*	
		For 18 Gauge, Add	*7.74*	
		For 16 Gauge, Add	*9.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*46.00*	
23 31 13 16-0132	EA	14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	174.75	42.32
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*3.45*	
		For 20 Gauge, Add	*5.62*	
		For 18 Gauge, Add	*8.61*	
		For 16 Gauge, Add	*10.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.54*	
		For Work In Restricted Working Space, Add	*50.18*	
23 31 13 16-0133	EA	16" x 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	210.79	49.68
		For 24 Gauge, Add	*2.59*	
		For 22 Gauge, Add	*5.96*	
		For 20 Gauge, Add	*9.71*	
		For 18 Gauge, Add	*14.89*	
		For 16 Gauge, Add	*18.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.58*	
		For Work In Restricted Working Space, Add	*59.35*	
23 31 13 16-0134	EA	18" x 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	259.16	61.63
		For 24 Gauge, Add	*2.77*	
		For 22 Gauge, Add	*6.37*	
		For 20 Gauge, Add	*10.38*	
		For 18 Gauge, Add	*15.92*	
		For 16 Gauge, Add	*19.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.24*	
		For Work In Restricted Working Space, Add	*73.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA	20" x 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	311.53	74.52
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*6.79*	
		For 20 Gauge, Add	*11.08*	
		For 18 Gauge, Add	*16.99*	
		For 16 Gauge, Add	*20.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.93*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 16-0136	EA	22" x 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	362.85	86.47
		For 24 Gauge, Add	*3.14*	
		For 22 Gauge, Add	*7.22*	
		For 20 Gauge, Add	*11.78*	
		For 18 Gauge, Add	*18.06*	
		For 16 Gauge, Add	*21.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.62*	
		For Work In Restricted Working Space, Add	*104.15*	
23 31 13 16-0137	EA	24" x 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	408.02	98.44
		For 24 Gauge, Add	*3.31*	
		For 22 Gauge, Add	*7.61*	
		For 20 Gauge, Add	*12.41*	
		For 18 Gauge, Add	*19.03*	
		For 16 Gauge, Add	*23.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.25*	
		For Work In Restricted Working Space, Add	*117.44*	

23 31 13 16-0138 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0062)*

23 31 13 16-0139	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	52.11	12.88
		For 24 Gauge, Add	*0.48*	
		For 22 Gauge, Add	*1.09*	
		For 20 Gauge, Add	*1.79*	
		For 18 Gauge, Add	*2.74*	
		For 16 Gauge, Add	*3.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.76*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 16-0140	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	76.31	18.40
		For 24 Gauge, Add	*0.54*	
		For 22 Gauge, Add	*1.25*	
		For 20 Gauge, Add	*2.03*	
		For 18 Gauge, Add	*3.12*	
		For 16 Gauge, Add	*3.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.01*	
		For Work In Restricted Working Space, Add	*22.08*	
23 31 13 16-0141	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	99.76	23.91
		For 24 Gauge, Add	*0.58*	
		For 22 Gauge, Add	*1.34*	
		For 20 Gauge, Add	*2.19*	
		For 18 Gauge, Add	*3.36*	
		For 16 Gauge, Add	*4.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.16*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0142	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	125.79	30.35
		For 24 Gauge, Add	*0.63*	
		For 22 Gauge, Add	*1.44*	
		For 20 Gauge, Add	*2.35*	
		For 18 Gauge, Add	*3.60*	
		For 16 Gauge, Add	*4.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.32*	
		For Work In Restricted Working Space, Add	*36.80*	
23 31 13 16-0143	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	156.67	38.63
		For 24 Gauge, Add	*0.67*	
		For 22 Gauge, Add	*1.54*	
		For 20 Gauge, Add	*2.51*	
		For 18 Gauge, Add	*3.84*	
		For 16 Gauge, Add	*4.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.47*	
		For Work In Restricted Working Space, Add	*46.00*	
23 31 13 16-0144	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	170.82	42.32
		For 24 Gauge, Add	*0.71*	
		For 22 Gauge, Add	*1.64*	
		For 20 Gauge, Add	*2.67*	
		For 18 Gauge, Add	*4.09*	
		For 16 Gauge, Add	*4.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.63*	
		For Work In Restricted Working Space, Add	*50.18*	
23 31 13 16-0145	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	201.78	49.68
		For 24 Gauge, Add	*0.79*	
		For 22 Gauge, Add	*1.81*	
		For 20 Gauge, Add	*2.96*	
		For 18 Gauge, Add	*4.53*	
		For 16 Gauge, Add	*5.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.92*	
		For Work In Restricted Working Space, Add	*59.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0146	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	249.47	61.63
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.91*	
		For 20 Gauge, Add	*3.11*	
		For 18 Gauge, Add	*4.77*	
		For 16 Gauge, Add	*5.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*73.60*	
23 31 13 16-0147	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	301.16	74.52
		For 24 Gauge, Add	*0.88*	
		For 22 Gauge, Add	*2.02*	
		For 20 Gauge, Add	*3.30*	
		For 18 Gauge, Add	*5.06*	
		For 16 Gauge, Add	*6.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.26*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 16-0148	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	351.72	173.87
		For 24 Gauge, Add	*0.91*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.43*	
		For 18 Gauge, Add	*5.26*	
		For 16 Gauge, Add	*6.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.38*	
		For Work In Restricted Working Space, Add	*104.15*	
23 31 13 16-0149	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	396.30	195.95
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*2.22*	
		For 20 Gauge, Add	*3.62*	
		For 18 Gauge, Add	*5.55*	
		For 16 Gauge, Add	*6.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.57*	
		For Work In Restricted Working Space, Add	*117.44*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0062)*

23 31 13 16-0151	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	27.65	12.88
		For 24 Gauge, Add	*0.56*	
		For 22 Gauge, Add	*1.28*	
		For 20 Gauge, Add	*2.09*	
		For 18 Gauge, Add	*3.21*	
		For 16 Gauge, Add	*3.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.06*	
		For Work In Restricted Working Space, Add	*7.46*	
23 31 13 16-0152	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	39.93	18.40
		For 24 Gauge, Add	*0.63*	
		For 22 Gauge, Add	*1.44*	
		For 20 Gauge, Add	*2.35*	
		For 18 Gauge, Add	*3.60*	
		For 16 Gauge, Add	*4.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.32*	
		For Work In Restricted Working Space, Add	*11.04*	
23 31 13 16-0153	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	51.85	24.84
		For 24 Gauge, Add	*0.69*	
		For 22 Gauge, Add	*1.58*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.94*	
		For 16 Gauge, Add	*4.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.54*	
		For Work In Restricted Working Space, Add	*14.53*	
23 31 13 16-0154	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	65.14	31.28
		For 24 Gauge, Add	*0.76*	
		For 22 Gauge, Add	*1.75*	
		For 20 Gauge, Add	*2.86*	
		For 18 Gauge, Add	*4.38*	
		For 16 Gauge, Add	*5.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.82*	
		For Work In Restricted Working Space, Add	*18.40*	
23 31 13 16-0155	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	80.89	38.63
		For 24 Gauge, Add	*0.85*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*3.17*	
		For 18 Gauge, Add	*4.86*	
		For 16 Gauge, Add	*5.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.13*	
		For Work In Restricted Working Space, Add	*23.00*	
23 31 13 16-0156	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	88.30	42.32
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*2.14*	
		For 20 Gauge, Add	*3.50*	
		For 18 Gauge, Add	*5.36*	
		For 16 Gauge, Add	*6.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.45*	
		For Work In Restricted Working Space, Add	*25.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0157	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	102.22	48.75
		For 24 Gauge, Add	*1.08*	
		For 22 Gauge, Add	*2.47*	
		For 20 Gauge, Add	*4.04*	
		For 18 Gauge, Add	*6.19*	
		For 16 Gauge, Add	*7.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.98*	
		For Work In Restricted Working Space, Add	*29.05*	
23 31 13 16-0158	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	140.78	61.63
		For 24 Gauge, Add	*3.62*	
		For 22 Gauge, Add	*8.34*	
		For 20 Gauge, Add	*13.59*	
		For 18 Gauge, Add	*20.84*	
		For 16 Gauge, Add	*25.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.41*	
		For Work In Restricted Working Space, Add	*36.80*	
23 31 13 16-0159	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	172.97	76.35
		For 24 Gauge, Add	*3.93*	
		For 22 Gauge, Add	*9.03*	
		For 20 Gauge, Add	*14.73*	
		For 18 Gauge, Add	*22.59*	
		For 16 Gauge, Add	*27.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.53*	
		For Work In Restricted Working Space, Add	*46.00*	
23 31 13 16-0160	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	188.42	83.72
		For 24 Gauge, Add	*4.23*	
		For 22 Gauge, Add	*9.73*	
		For 20 Gauge, Add	*15.87*	
		For 18 Gauge, Add	*24.33*	
		For 16 Gauge, Add	*29.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.66*	
		For Work In Restricted Working Space, Add	*50.18*	
23 31 13 16-0161	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	218.46	97.52
		For 24 Gauge, Add	*4.55*	
		For 22 Gauge, Add	*10.46*	
		For 20 Gauge, Add	*17.05*	
		For 18 Gauge, Add	*26.14*	
		For 16 Gauge, Add	*31.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.82*	
		For Work In Restricted Working Space, Add	*58.72*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	33.74	27.27
		For Work In Restricted Working Space, Add	*9.97*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	18.65	8.27
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.54*	
		For Work In Restricted Working Space, Add	*4.97*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	17.51	8.52
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.35*	
		For Work In Restricted Working Space, Add	*5.11*	

23 31 13 33 Duct Boots *(23 31 13)*

23 31 13 33-0001 Duct Register Boots *(23 31 13 33)*

23 31 13 33-0002	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	29.87	12.49
		For Stainless Steel, Add	*6.37*	
23 31 13 33-0003	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	29.87	12.49
		For Stainless Steel, Add	*6.37*	
23 31 13 33-0004	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	31.98	13.49
		For Stainless Steel, Add	*6.51*	
23 31 13 33-0005	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	31.98	13.49
		For Stainless Steel, Add	*6.51*	
23 31 13 33-0006	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	33.19	13.49
		For Stainless Steel, Add	*8.09*	
23 31 13 33-0007	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	34.59	14.48
		For Stainless Steel, Add	*7.29*	
23 31 13 33-0008	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	34.59	14.48
		For Stainless Steel, Add	*7.29*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 33-0009	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	35.34	14.48
		For Stainless Steel, Add	*8.27*	
23 31 13 33-0010	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	35.38	15.49
		For Stainless Steel, Add	*5.73*	
23 31 13 33-0011	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	37.51	16.48
		For Stainless Steel, Add	*5.90*	
23 31 13 33-0012	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	40.59	16.48
		For Stainless Steel, Add	*9.91*	
23 31 13 33-0013	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	39.78	17.48
		For Stainless Steel, Add	*6.25*	
23 31 13 33-0014	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	42.80	17.48
		For Stainless Steel, Add	*10.18*	
23 31 13 33-0015	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	31.25	13.49
		For Stainless Steel, Add	*5.56*	
23 31 13 33-0016	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	31.25	13.49
		For Stainless Steel, Add	*5.56*	
23 31 13 33-0017	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	33.75	14.48
		For Stainless Steel, Add	*6.20*	
23 31 13 33-0018	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	34.47	14.48
		For Stainless Steel, Add	*7.14*	
23 31 13 33-0019	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	35.48	15.49
		For Stainless Steel, Add	*5.86*	
23 31 13 33-0020	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	37.60	16.48
		For Stainless Steel, Add	*6.02*	
23 31 13 33-0021	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	31.74	13.49
		For Stainless Steel, Add	*6.20*	
23 31 13 33-0022	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	34.04	14.48
		For Stainless Steel, Add	*6.58*	
23 31 13 33-0023	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	29.87	12.49
		For Stainless Steel, Add	*6.37*	
23 31 13 33-0024	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	31.98	13.49
		For Stainless Steel, Add	*6.51*	
23 31 13 33-0025	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	34.59	14.48
		For Stainless Steel, Add	*7.29*	
23 31 13 33-0026	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	34.59	14.48
		For Stainless Steel, Add	*7.29*	
23 31 13 33-0027	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	35.38	15.49
		For Stainless Steel, Add	*5.73*	
23 31 13 33-0028	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	37.51	16.48
		For Stainless Steel, Add	*5.90*	
23 31 13 33-0029	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	40.59	16.48
		For Stainless Steel, Add	*9.91*	
23 31 13 33-0030	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	42.59	17.48
		For Stainless Steel, Add	*9.91*	

23 31 16 Nonmetal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	8.08	1.70
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	9.39	1.87
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	10.77	2.06

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Round Fiber Reinforced Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Round Fiber Reinforced Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	13.63	4.52
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	17.04	5.28
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	23.17	7.75
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	30.66	9.80
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	38.84	12.27
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	46.83	14.74
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	52.78	17.21
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	60.15	18.83
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	64.98	20.03
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	80.59	22.49
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	84.80	24.11
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	104.24	25.73
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	119.43	29.82
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	138.00	35.96
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	183.83	40.04
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	205.95	44.99
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	228.92	51.55
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	259.95	60.15
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	279.67	73.62
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	341.29	89.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	56.45	18.32
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	68.23	21.73
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	78.36	25.56
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	102.84	34.09
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	124.84	42.60
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	144.36	51.12
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	178.97	63.48
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	191.59	68.16
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	207.62	72.85
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	223.64	78.39
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	244.71	85.21
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	286.52	93.72
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	335.76	102.25
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	381.14	115.03
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	426.53	127.81
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	471.88	140.59
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	588.50	170.41
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	698.48	213.01
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	838.13	255.62
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	960.90	289.70
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	96.08	18.32
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	110.33	21.73
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	125.42	25.56
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	162.28	34.09
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	196.67	42.60
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	231.04	51.12
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	270.61	63.48
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	303.04	68.16
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	331.46	72.85
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	352.44	78.39
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	368.55	85.21
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	435.13	93.72
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	479.41	102.25
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	596.63	115.03
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	664.30	127.81
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	756.72	140.59
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	885.72	170.41
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,052.66	213.01
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,219.55	255.62
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,396.81	289.70
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	155.35	44.14
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	182.05	52.74
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	211.23	61.35
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	272.54	81.80
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	333.88	102.25
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	395.22	122.70
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	484.62	152.61
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	554.10	161.55
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	634.24	175.44
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	764.36	188.13
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	885.78	204.50
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,031.31	224.95
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,412.11	245.40
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,822.41	276.07
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,418.45	306.83
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,878.30	337.50
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,406.12	408.98
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,121.43	511.23
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,836.41	613.31
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,517.49	695.02
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	128.11	44.14
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	149.85	52.74
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	174.06	61.35
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	218.05	81.80
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	262.05	102.25
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	311.07	122.70
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	383.13	152.61
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	417.81	161.55

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	505.28	175.35
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	586.26	188.30
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	682.62	204.50
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	790.67	224.78
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,015.52	245.23
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,250.67	276.32
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,608.90	307.00
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,899.96	337.50
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,261.84	408.98
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,704.70	511.23
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,175.00	612.12
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,586.83	695.70
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	196.44	65.87
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	231.30	79.32
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	264.83	92.02
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	340.73	122.70
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	415.27	152.61
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	493.85	184.89
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	596.42	224.09
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	651.88	242.50
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	761.00	263.45
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	866.62	282.20
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,006.67	306.83
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,156.92	337.50
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,393.53	368.00
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,681.20	414.27
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,253.14	460.28
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,701.55	506.38
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,252.24	613.90
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,879.24	767.20
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,505.74	920.14
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,082.57	1,043.35
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	159.28	65.87
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	186.70	79.32
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	212.83	92.02
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	268.97	122.70
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	323.69	152.61
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	387.39	184.89
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	462.87	224.26
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	502.89	242.33
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	553.14	263.54
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	599.54	282.46
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	655.33	307.00
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	725.96	337.50
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	803.70	367.83
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	908.00	414.02
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,015.30	460.54
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,116.07	506.21
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,329.78	612.12
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,615.27	768.55
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	1,955.74	920.82
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,184.71	1,043.35
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	138.05	44.22
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	162.28	52.83
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	191.45	61.35
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	245.30	81.80
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	294.25	102.25
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	353.92	123.21
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	417.81	152.61
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	447.53	161.55
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	495.38	175.35
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	546.63	188.30
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	613.27	204.50
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	702.29	225.20
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	791.07	245.82
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	896.49	276.32
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,002.09	307.00
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,132.15	337.50
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,337.99	408.98
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,587.66	511.23
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,763.22	612.12
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,976.91	695.70

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	167.77	44.22
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	182.10	52.83
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	211.27	61.35
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	272.54	81.80
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	333.88	102.25
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	396.02	123.21
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	472.30	152.61
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	516.88	161.55
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	564.73	175.35
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	640.75	188.30
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	821.32	204.50
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,006.93	225.20
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,078.38	245.82
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,228.38	276.32
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,329.02	307.00
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,454.14	337.50
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,598.06	408.98
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,832.86	511.23
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,035.67	612.12
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,224.59	695.70
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	308.91	44.14
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	347.99	52.74
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	387.08	61.35
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	458.30	81.80
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	541.93	102.25
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	613.18	122.70
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	700.10	152.61
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	777.01	161.55
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	862.10	175.44
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	945.16	188.13
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,009.62	204.50
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,142.77	224.95
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,325.43	245.40
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,525.19	276.07
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,749.71	306.83
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,949.50	337.50
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,291.56	408.98
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,684.88	511.23
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	3,053.12	613.31
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,511.28	695.02

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001		**Radial Opposed Blade Damper Steel Construction** *(23 33 13 13)*		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	44.92	8.00
		For Stainless Steel, Add	*18.08*	
		For Parallel Blade Damper, Add	*5.56*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	50.09	8.99
		For Stainless Steel, Add	*18.36*	
		For Parallel Blade Damper, Add	*5.65*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	56.08	9.99
		For Stainless Steel, Add	*18.54*	
		For Parallel Blade Damper, Add	*5.70*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	61.27	11.99
		For Stainless Steel, Add	*19.71*	
		For Parallel Blade Damper, Add	*6.06*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	67.43	12.98
		For Stainless Steel, Add	*20.87*	
		For Parallel Blade Damper, Add	*6.42*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	76.71	13.99
		For Stainless Steel, Add	*26.66*	
		For Parallel Blade Damper, Add	*8.20*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	84.31	14.99
		For Stainless Steel, Add	*28.98*	
		For Parallel Blade Damper, Add	*8.92*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	89.78	16.99
		For Stainless Steel, Add	*30.13*	
		For Parallel Blade Damper, Add	*9.27*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	97.78	17.98
		For Stainless Steel, Add	*33.61*	
		For Parallel Blade Damper, Add	*10.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	110.29	19.98
		For Stainless Steel, Add	*41.73*	
		For Parallel Blade Damper, Add	*12.84*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	118.30	19.98
		For Stainless Steel, Add	*47.52*	
		For Parallel Blade Damper, Add	*14.62*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	132.71	22.98
		For Stainless Steel, Add	*55.63*	
		For Parallel Blade Damper, Add	*17.12*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	141.28	23.98
		For Stainless Steel, Add	*60.62*	
		For Parallel Blade Damper, Add	*18.65*	

23 33 13 13-0015 Rectangular Opposed Blade Damper *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.20	11.09
		For Stainless Steel, Add	*46.71*	
		For Parallel Blade Damper, Add	*14.37*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.26	11.59
		For Stainless Steel, Add	*50.04*	
		For Parallel Blade Damper, Add	*15.40*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.02	11.69
		For Stainless Steel, Add	*53.37*	
		For Parallel Blade Damper, Add	*16.42*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.02	11.69
		For Stainless Steel, Add	*53.37*	
		For Parallel Blade Damper, Add	*16.42*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.60	12.00
		For Stainless Steel, Add	*56.71*	
		For Parallel Blade Damper, Add	*17.45*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	88.71	13.29
		For Stainless Steel, Add	*63.36*	
		For Parallel Blade Damper, Add	*19.50*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.60	12.00
		For Stainless Steel, Add	*56.71*	
		For Parallel Blade Damper, Add	*17.45*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	86.71	12.69
		For Stainless Steel, Add	*63.36*	
		For Parallel Blade Damper, Add	*19.50*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.30	13.29
		For Stainless Steel, Add	*66.73*	
		For Parallel Blade Damper, Add	*20.53*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	98.87	14.99
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.45	12.69
		For Stainless Steel, Add	*61.72*	
		For Parallel Blade Damper, Add	*18.99*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.30	13.29
		For Stainless Steel, Add	*66.73*	
		For Parallel Blade Damper, Add	*20.53*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.87	13.99
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.44	14.99
		For Stainless Steel, Add	*73.41*	
		For Parallel Blade Damper, Add	*22.59*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	112.84	16.69
		For Stainless Steel, Add	*81.74*	
		For Parallel Blade Damper, Add	*25.15*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.30	13.29
		For Stainless Steel, Add	*66.73*	
		For Parallel Blade Damper, Add	*20.53*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.87	14.29
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.44	15.69
		For Stainless Steel, Add	*73.41*	
		For Parallel Blade Damper, Add	*22.59*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	108.98	16.69
		For Stainless Steel, Add	*76.73*	
		For Parallel Blade Damper, Add	*23.61*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.42	18.29
		For Stainless Steel, Add	*85.10*	
		For Parallel Blade Damper, Add	*26.18*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.83	19.99
		For Stainless Steel, Add	*93.43*	
		For Parallel Blade Damper, Add	*28.75*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.87	13.99
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	102.71	14.99
		For Stainless Steel, Add	*75.06*	
		For Parallel Blade Damper, Add	*23.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	111.57	16.69
		For Stainless Steel, Add	*80.09*	
		For Parallel Blade Damper, Add	*24.64*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	122.99	18.29
		For Stainless Steel, Add	*88.44*	
		For Parallel Blade Damper, Add	*27.21*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	133.11	19.99
		For Stainless Steel, Add	*95.10*	
		For Parallel Blade Damper, Add	*29.26*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.52	21.59
		For Stainless Steel, Add	*103.43*	
		For Parallel Blade Damper, Add	*31.82*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.36	23.29
		For Stainless Steel, Add	*108.43*	
		For Parallel Blade Damper, Add	*33.36*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.44	14.99
		For Stainless Steel, Add	*73.41*	
		For Parallel Blade Damper, Add	*22.59*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	111.55	16.69
		For Stainless Steel, Add	*80.07*	
		For Parallel Blade Damper, Add	*24.64*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	121.69	18.29
		For Stainless Steel, Add	*86.75*	
		For Parallel Blade Damper, Add	*26.69*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.97	19.99
		For Stainless Steel, Add	*100.11*	
		For Parallel Blade Damper, Add	*30.80*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.82	21.59
		For Stainless Steel, Add	*105.12*	
		For Parallel Blade Damper, Add	*32.34*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.66	23.29
		For Stainless Steel, Add	*110.12*	
		For Parallel Blade Damper, Add	*33.88*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.78	24.99
		For Stainless Steel, Add	*116.78*	
		For Parallel Blade Damper, Add	*35.93*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.91	26.59
		For Stainless Steel, Add	*123.45*	
		For Parallel Blade Damper, Add	*37.98*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	114.12	16.69
		For Stainless Steel, Add	*83.41*	
		For Parallel Blade Damper, Add	*25.66*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	126.83	18.29
		For Stainless Steel, Add	*93.43*	
		For Parallel Blade Damper, Add	*28.75*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.97	19.99
		For Stainless Steel, Add	*100.11*	
		For Parallel Blade Damper, Add	*30.80*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.67	21.59
		For Stainless Steel, Add	*110.12*	
		For Parallel Blade Damper, Add	*33.88*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.50	23.29
		For Stainless Steel, Add	*115.12*	
		For Parallel Blade Damper, Add	*35.42*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.35	24.99
		For Stainless Steel, Add	*120.12*	
		For Parallel Blade Damper, Add	*36.96*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.04	26.59
		For Stainless Steel, Add	*130.12*	
		For Parallel Blade Damper, Add	*40.04*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.71	29.97
		For Stainless Steel, Add	*140.11*	
		For Parallel Blade Damper, Add	*43.11*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.01	33.27
		For Stainless Steel, Add	*153.50*	
		For Parallel Blade Damper, Add	*47.23*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	126.83	18.29
		For Stainless Steel, Add	*93.43*	
		For Parallel Blade Damper, Add	*28.75*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.97	19.99
		For Stainless Steel, Add	*100.11*	
		For Parallel Blade Damper, Add	*30.80*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.67	21.59
		For Stainless Steel, Add	*110.12*	
		For Parallel Blade Damper, Add	*33.88*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.78	23.29
		For Stainless Steel, Add	*116.78*	
		For Parallel Blade Damper, Add	*35.93*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.19	24.99
		For Stainless Steel, Add	*125.11*	
		For Parallel Blade Damper, Add	*38.50*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.59	26.59
		For Stainless Steel, Add	*133.43*	
		For Parallel Blade Damper, Add	*41.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.28	29.97
		For Stainless Steel, Add	*143.46*	
		For Parallel Blade Damper, Add	*44.14*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.01	33.27
		For Stainless Steel, Add	*153.50*	
		For Parallel Blade Damper, Add	*47.23*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.39	34.97
		For Stainless Steel, Add	*173.50*	
		For Parallel Blade Damper, Add	*53.38*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.21	38.27
		For Stainless Steel, Add	*190.18*	
		For Parallel Blade Damper, Add	*58.52*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.67	19.99
		For Stainless Steel, Add	*110.12*	
		For Parallel Blade Damper, Add	*33.88*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.23	21.59
		For Stainless Steel, Add	*113.45*	
		For Parallel Blade Damper, Add	*34.91*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.78	23.29
		For Stainless Steel, Add	*116.78*	
		For Parallel Blade Damper, Add	*35.93*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.91	24.99
		For Stainless Steel, Add	*123.45*	
		For Parallel Blade Damper, Add	*37.98*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.09	26.59
		For Stainless Steel, Add	*134.08*	
		For Parallel Blade Damper, Add	*41.26*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.28	29.97
		For Stainless Steel, Add	*143.46*	
		For Parallel Blade Damper, Add	*44.14*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.58	33.27
		For Stainless Steel, Add	*156.85*	
		For Parallel Blade Damper, Add	*48.26*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.83	36.57
		For Stainless Steel, Add	*170.18*	
		For Parallel Blade Damper, Add	*52.36*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.21	38.27
		For Stainless Steel, Add	*190.18*	
		For Parallel Blade Damper, Add	*58.52*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.18	40.97
		For Stainless Steel, Add	*213.55*	
		For Parallel Blade Damper, Add	*65.71*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.72	43.27
		For Stainless Steel, Add	*240.25*	
		For Parallel Blade Damper, Add	*73.92*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	157.36	21.59
		For Stainless Steel, Add	*120.12*	
		For Parallel Blade Damper, Add	*36.96*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.47	23.29
		For Stainless Steel, Add	*126.78*	
		For Parallel Blade Damper, Add	*39.01*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.59	24.99
		For Stainless Steel, Add	*133.43*	
		For Parallel Blade Damper, Add	*41.06*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.30	26.59
		For Stainless Steel, Add	*143.46*	
		For Parallel Blade Damper, Add	*44.14*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.15	29.97
		For Stainless Steel, Add	*148.49*	
		For Parallel Blade Damper, Add	*45.69*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.01	31.57
		For Stainless Steel, Add	*153.50*	
		For Parallel Blade Damper, Add	*47.23*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.83	36.57
		For Stainless Steel, Add	*170.18*	
		For Parallel Blade Damper, Add	*52.36*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.64	39.97
		For Stainless Steel, Add	*186.84*	
		For Parallel Blade Damper, Add	*57.49*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.04	41.27
		For Stainless Steel, Add	*206.87*	
		For Parallel Blade Damper, Add	*63.65*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.56	44.27
		For Stainless Steel, Add	*233.55*	
		For Parallel Blade Damper, Add	*71.86*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.52	46.57
		For Stainless Steel, Add	*256.91*	
		For Parallel Blade Damper, Add	*79.05*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.05	48.26
		For Stainless Steel, Add	*283.60*	
		For Parallel Blade Damper, Add	*87.26*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.91	24.99
		For Stainless Steel, Add	*123.45*	
		For Parallel Blade Damper, Add	*37.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.16	26.59
		For Stainless Steel, Add	*136.77*	
		For Parallel Blade Damper, Add	*42.08*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.73	28.28
		For Stainless Steel, Add	*140.11*	
		For Parallel Blade Damper, Add	*43.11*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.29	29.97
		For Stainless Steel, Add	*143.46*	
		For Parallel Blade Damper, Add	*44.14*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.28	31.57
		For Stainless Steel, Add	*155.16*	
		For Parallel Blade Damper, Add	*47.74*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.27	33.27
		For Stainless Steel, Add	*166.84*	
		For Parallel Blade Damper, Add	*51.34*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.52	38.27
		For Stainless Steel, Add	*180.18*	
		For Parallel Blade Damper, Add	*55.44*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.79	41.57
		For Stainless Steel, Add	*193.53*	
		For Parallel Blade Damper, Add	*59.55*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.18	44.27
		For Stainless Steel, Add	*213.55*	
		For Parallel Blade Damper, Add	*65.71*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.40	46.57
		For Stainless Steel, Add	*250.25*	
		For Parallel Blade Damper, Add	*77.00*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	355.77	49.27
		For Stainless Steel, Add	*270.24*	
		For Parallel Blade Damper, Add	*83.15*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	388.01	50.57
		For Stainless Steel, Add	*306.96*	
		For Parallel Blade Damper, Add	*94.45*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.69	53.26
		For Stainless Steel, Add	*340.34*	
		For Parallel Blade Damper, Add	*104.72*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.04	24.99
		For Stainless Steel, Add	*130.12*	
		For Parallel Blade Damper, Add	*40.04*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.30	26.59
		For Stainless Steel, Add	*143.46*	
		For Parallel Blade Damper, Add	*44.14*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.02	28.28
		For Stainless Steel, Add	*153.50*	
		For Parallel Blade Damper, Add	*47.23*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.58	29.97
		For Stainless Steel, Add	*156.85*	
		For Parallel Blade Damper, Add	*48.26*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.84	31.57
		For Stainless Steel, Add	*170.18*	
		For Parallel Blade Damper, Add	*52.36*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.10	33.27
		For Stainless Steel, Add	*183.52*	
		For Parallel Blade Damper, Add	*56.47*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.93	39.97
		For Stainless Steel, Add	*200.21*	
		For Parallel Blade Damper, Add	*61.60*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.73	43.27
		For Stainless Steel, Add	*216.87*	
		For Parallel Blade Damper, Add	*66.73*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.40	46.57
		For Stainless Steel, Add	*250.25*	
		For Parallel Blade Damper, Add	*77.00*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.49	49.96
		For Stainless Steel, Add	*280.28*	
		For Parallel Blade Damper, Add	*86.24*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.13	53.26
		For Stainless Steel, Add	*313.61*	
		For Parallel Blade Damper, Add	*96.50*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.23	54.86
		For Stainless Steel, Add	*343.66*	
		For Parallel Blade Damper, Add	*105.74*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	457.33	56.56
		For Stainless Steel, Add	*373.69*	
		For Parallel Blade Damper, Add	*114.98*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	485.44	58.26
		For Stainless Steel, Add	*403.73*	
		For Parallel Blade Damper, Add	*124.22*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.73	26.59
		For Stainless Steel, Add	*140.11*	
		For Parallel Blade Damper, Add	*43.11*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.02	28.28
		For Stainless Steel, Add	*153.50*	
		For Parallel Blade Damper, Add	*47.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.58	29.97
		For Stainless Steel, Add	*156.85*	
		For Parallel Blade Damper, Add	*48.26*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.27	33.27
		For Stainless Steel, Add	*166.84*	
		For Parallel Blade Damper, Add	*51.34*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.52	36.57
		For Stainless Steel, Add	*180.18*	
		For Parallel Blade Damper, Add	*55.44*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.79	39.97
		For Stainless Steel, Add	*193.53*	
		For Parallel Blade Damper, Add	*59.55*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.18	43.27
		For Stainless Steel, Add	*213.55*	
		For Parallel Blade Damper, Add	*65.71*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	319.55	46.57
		For Stainless Steel, Add	*233.55*	
		For Parallel Blade Damper, Add	*71.86*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	352.65	49.96
		For Stainless Steel, Add	*263.59*	
		For Parallel Blade Damper, Add	*81.10*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	390.87	53.26
		For Stainless Steel, Add	*300.27*	
		For Parallel Blade Damper, Add	*92.39*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.99	54.86
		For Stainless Steel, Add	*330.34*	
		For Parallel Blade Damper, Add	*101.64*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.76	56.56
		For Stainless Steel, Add	*370.34*	
		For Parallel Blade Damper, Add	*113.95*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.87	59.86
		For Stainless Steel, Add	*400.39*	
		For Parallel Blade Damper, Add	*123.20*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	523.65	61.56
		For Stainless Steel, Add	*440.41*	
		For Parallel Blade Damper, Add	*135.51*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	559.18	66.56
		For Stainless Steel, Add	*467.12*	
		For Parallel Blade Damper, Add	*143.73*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.45	28.28
		For Stainless Steel, Add	*150.16*	
		For Parallel Blade Damper, Add	*46.20*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.70	29.97
		For Stainless Steel, Add	*163.50*	
		For Parallel Blade Damper, Add	*50.31*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.96	33.27
		For Stainless Steel, Add	*176.84*	
		For Parallel Blade Damper, Add	*54.41*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.52	36.57
		For Stainless Steel, Add	*180.18*	
		For Parallel Blade Damper, Add	*55.44*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.08	39.97
		For Stainless Steel, Add	*195.21*	
		For Parallel Blade Damper, Add	*60.06*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.61	43.27
		For Stainless Steel, Add	*210.21*	
		For Parallel Blade Damper, Add	*64.68*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.00	46.57
		For Stainless Steel, Add	*230.23*	
		For Parallel Blade Damper, Add	*70.84*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.39	49.96
		For Stainless Steel, Add	*250.25*	
		For Parallel Blade Damper, Add	*77.00*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	375.49	53.26
		For Stainless Steel, Add	*280.28*	
		For Parallel Blade Damper, Add	*86.24*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.26	56.56
		For Stainless Steel, Add	*320.29*	
		For Parallel Blade Damper, Add	*98.55*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.92	58.26
		For Stainless Steel, Add	*353.65*	
		For Parallel Blade Damper, Add	*108.82*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	485.30	59.86
		For Stainless Steel, Add	*397.05*	
		For Parallel Blade Damper, Add	*122.17*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	526.06	63.26
		For Stainless Steel, Add	*437.06*	
		For Parallel Blade Damper, Add	*134.48*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	559.18	66.56
		For Stainless Steel, Add	*467.12*	
		For Parallel Blade Damper, Add	*143.73*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	604.97	71.55
		For Stainless Steel, Add	*507.16*	
		For Parallel Blade Damper, Add	*156.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	640.63	74.85
		For Stainless Steel, Add	*540.53*	
		For Parallel Blade Damper, Add	*166.32*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.58	29.97
		For Stainless Steel, Add	*156.85*	
		For Parallel Blade Damper, Add	*48.26*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.39	33.27
		For Stainless Steel, Add	*173.50*	
		For Parallel Blade Damper, Add	*53.38*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.09	36.57
		For Stainless Steel, Add	*183.52*	
		For Parallel Blade Damper, Add	*56.47*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.64	39.97
		For Stainless Steel, Add	*186.84*	
		For Parallel Blade Damper, Add	*57.49*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.76	43.27
		For Stainless Steel, Add	*205.21*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.86	46.57
		For Stainless Steel, Add	*223.55*	
		For Parallel Blade Damper, Add	*68.78*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.96	49.96
		For Stainless Steel, Add	*241.89*	
		For Parallel Blade Damper, Add	*74.43*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.08	53.26
		For Stainless Steel, Add	*260.25*	
		For Parallel Blade Damper, Add	*80.08*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.86	56.56
		For Stainless Steel, Add	*300.27*	
		For Parallel Blade Damper, Add	*92.39*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	436.68	58.26
		For Stainless Steel, Add	*340.34*	
		For Parallel Blade Damper, Add	*104.72*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	469.90	59.86
		For Stainless Steel, Add	*377.03*	
		For Parallel Blade Damper, Add	*116.01*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.82	63.26
		For Stainless Steel, Add	*423.75*	
		For Parallel Blade Damper, Add	*130.38*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.61	66.56
		For Stainless Steel, Add	*463.78*	
		For Parallel Blade Damper, Add	*142.70*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	599.97	69.85
		For Stainless Steel, Add	*507.16*	
		For Parallel Blade Damper, Add	*156.05*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.64	73.25
		For Stainless Steel, Add	*540.53*	
		For Parallel Blade Damper, Add	*166.32*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	678.99	76.55
		For Stainless Steel, Add	*583.90*	
		For Parallel Blade Damper, Add	*179.66*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	722.36	79.85
		For Stainless Steel, Add	*627.28*	
		For Parallel Blade Damper, Add	*193.01*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.27	33.27
		For Stainless Steel, Add	*166.84*	
		For Parallel Blade Damper, Add	*51.34*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.09	36.57
		For Stainless Steel, Add	*183.52*	
		For Parallel Blade Damper, Add	*56.47*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.21	39.97
		For Stainless Steel, Add	*190.18*	
		For Parallel Blade Damper, Add	*58.52*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.78	43.27
		For Stainless Steel, Add	*193.53*	
		For Parallel Blade Damper, Add	*59.55*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	304.17	46.57
		For Stainless Steel, Add	*213.55*	
		For Parallel Blade Damper, Add	*65.71*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.54	49.96
		For Stainless Steel, Add	*233.55*	
		For Parallel Blade Damper, Add	*71.86*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.22	53.26
		For Stainless Steel, Add	*255.23*	
		For Parallel Blade Damper, Add	*78.53*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.90	56.56
		For Stainless Steel, Add	*276.93*	
		For Parallel Blade Damper, Add	*85.21*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.26	58.26
		For Stainless Steel, Add	*320.29*	
		For Parallel Blade Damper, Add	*98.55*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	457.06	59.86
		For Stainless Steel, Add	*360.33*	
		For Parallel Blade Damper, Add	*110.87*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	500.42	63.26
		For Stainless Steel, Add	*403.73*	
		For Parallel Blade Damper, Add	*124.22*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	543.78	66.56
		For Stainless Steel, Add	*447.10*	
		For Parallel Blade Damper, Add	*137.57*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	579.43	69.85
		For Stainless Steel, Add	*480.45*	
		For Parallel Blade Damper, Add	*147.83*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	630.48	73.25
		For Stainless Steel, Add	*533.82*	
		For Parallel Blade Damper, Add	*164.25*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	676.41	76.55
		For Stainless Steel, Add	*580.54*	
		For Parallel Blade Damper, Add	*178.63*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	722.36	79.85
		For Stainless Steel, Add	*627.28*	
		For Parallel Blade Damper, Add	*193.01*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	763.10	83.24
		For Stainless Steel, Add	*667.26*	
		For Parallel Blade Damper, Add	*205.31*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	803.93	86.53
		For Stainless Steel, Add	*707.34*	
		For Parallel Blade Damper, Add	*217.64*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Fire Damper, Vertical Curtain Type	53.86	10.79
		For Smoke Damper, Add	*18.17*	
		For Horizontal, Add	*3.21*	
		For Dynamic Damper, Add	*4.81*	
		For 3 Hour Rated, Add	*4.28*	
23 33 13 16-0003	SF	Fire Damper, Vertical Louver Type	65.53	10.79
		For Smoke Damper, Add	*28.09*	
		For Horizontal, Add	*4.96*	
		For Dynamic Damper, Add	*7.44*	
		For 3 Hour Rated, Add	*6.61*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	49.67	11.09
		For Horizontal, Add	*2.46*	
		For Dynamic Damper, Add	*3.69*	
		For 3 Hour Rated, Add	*3.28*	
		For Damper Blades Outside Air Stream, Add	*4.92*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	52.33	11.59
		For Horizontal, Add	*2.63*	
		For Dynamic Damper, Add	*3.95*	
		For 3 Hour Rated, Add	*3.51*	
		For Damper Blades Outside Air Stream, Add	*5.27*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.71	11.69
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.71	11.69
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.89	12.00
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.22	13.29
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.89	12.00
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.22	12.69
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.39	13.29
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.57	14.99
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.64	12.69
		For Horizontal, Add	*3.25*	
		For Dynamic Damper, Add	*4.88*	
		For 3 Hour Rated, Add	*4.33*	
		For Damper Blades Outside Air Stream, Add	*6.50*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.39	13.29
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.57	13.99
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.74	14.99
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.66	16.69
		For Horizontal, Add	*4.31*	
		For Dynamic Damper, Add	*6.46*	
		For 3 Hour Rated, Add	*5.74*	
		For Damper Blades Outside Air Stream, Add	*8.61*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.39	13.29
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.57	14.29
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.74	15.69
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.89	16.69
		For Horizontal, Add	*4.04*	
		For Dynamic Damper, Add	*6.06*	
		For 3 Hour Rated, Add	*5.39*	
		For Damper Blades Outside Air Stream, Add	*8.08*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.83	18.29
		For Horizontal, Add	*4.48*	
		For Dynamic Damper, Add	*6.72*	
		For 3 Hour Rated, Add	*5.97*	
		For Damper Blades Outside Air Stream, Add	*8.96*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.76	19.99
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.57	13.99
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.32	14.99
		For Horizontal, Add	*3.95*	
		For Dynamic Damper, Add	*5.93*	
		For 3 Hour Rated, Add	*5.27*	
		For Damper Blades Outside Air Stream, Add	*7.91*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.08	16.69
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.33*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.44*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.00	18.29
		For Horizontal, Add	*4.66*	
		For Dynamic Damper, Add	*6.98*	
		For 3 Hour Rated, Add	*6.21*	
		For Damper Blades Outside Air Stream, Add	*9.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.34	19.99
		For Horizontal, Add	*5.01*	
		For Dynamic Damper, Add	*7.51*	
		For 3 Hour Rated, Add	*6.68*	
		For Damper Blades Outside Air Stream, Add	*10.01*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.27	21.59
		For Horizontal, Add	*5.45*	
		For Dynamic Damper, Add	*8.17*	
		For 3 Hour Rated, Add	*7.26*	
		For Damper Blades Outside Air Stream, Add	*10.89*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.02	23.29
		For Horizontal, Add	*5.71*	
		For Dynamic Damper, Add	*8.57*	
		For 3 Hour Rated, Add	*7.61*	
		For Damper Blades Outside Air Stream, Add	*11.42*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.74	14.99
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.07	16.69
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.32*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.43*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.41	18.29
		For Horizontal, Add	*4.57*	
		For Dynamic Damper, Add	*6.85*	
		For 3 Hour Rated, Add	*6.09*	
		For Damper Blades Outside Air Stream, Add	*9.14*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.11	19.99
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.86	21.59
		For Horizontal, Add	*5.54*	
		For Dynamic Damper, Add	*8.30*	
		For 3 Hour Rated, Add	*7.38*	
		For Damper Blades Outside Air Stream, Add	*11.07*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.61	23.29
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.95	24.99
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.28	26.59
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.24	16.69
		For Horizontal, Add	*4.39*	
		For Dynamic Damper, Add	*6.59*	
		For 3 Hour Rated, Add	*5.86*	
		For Damper Blades Outside Air Stream, Add	*8.78*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.76	18.29
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.11	19.99
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.62	21.59
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.36	23.29
		For Horizontal, Add	*6.06*	
		For Dynamic Damper, Add	*9.09*	
		For 3 Hour Rated, Add	*8.08*	
		For Damper Blades Outside Air Stream, Add	*12.12*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.12	24.99
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.63	26.59
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.12	29.97
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.82	33.27
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.76	18.29
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.11	19.99
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.62	21.59
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.95	23.29
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.88	24.99
		For Horizontal, Add	*6.59*	
		For Dynamic Damper, Add	*9.88*	
		For 3 Hour Rated, Add	*8.79*	
		For Damper Blades Outside Air Stream, Add	*13.18*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.80	26.59
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.30	29.97
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.82	33.27
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.84	34.97
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.69	38.27
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.62	19.99
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.78	21.59
		For Horizontal, Add	*5.97*	
		For Dynamic Damper, Add	*8.96*	
		For 3 Hour Rated, Add	*7.96*	
		For Damper Blades Outside Air Stream, Add	*11.95*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.95	23.29
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.28	24.99
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.02	26.59
		For Horizontal, Add	*7.06*	
		For Dynamic Damper, Add	*10.59*	
		For 3 Hour Rated, Add	*9.41*	
		For Damper Blades Outside Air Stream, Add	*14.12*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.30	29.97
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.99	33.27
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.66	36.57
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.69	38.27
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.88	40.97
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.25	43.27
		For Horizontal, Add	*12.65*	
		For Dynamic Damper, Add	*18.98*	
		For 3 Hour Rated, Add	*16.87*	
		For Damper Blades Outside Air Stream, Add	*25.30*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.13	21.59
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.46	23.29
		For Horizontal, Add	*6.68*	
		For Dynamic Damper, Add	*10.01*	
		For 3 Hour Rated, Add	*8.90*	
		For Damper Blades Outside Air Stream, Add	*13.35*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.80	24.99
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.32	26.59
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.06	29.97
		For Horizontal, Add	*7.82*	
		For Dynamic Damper, Add	*11.73*	
		For 3 Hour Rated, Add	*10.43*	
		For Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.82	31.57
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.66	36.57
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.51	39.97
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.41	41.27
		For Horizontal, Add	*6.23*	
		For Dynamic Damper, Add	*9.34*	
		For 3 Hour Rated, Add	*8.30*	
		For Damper Blades Outside Air Stream, Add	*12.45*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.90	44.27
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.09	46.57
		For Horizontal, Add	*13.53*	
		For Dynamic Damper, Add	*20.29*	
		For 3 Hour Rated, Add	*18.04*	
		For Damper Blades Outside Air Stream, Add	*27.06*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.46	48.26
		For Horizontal, Add	*14.93*	
		For Dynamic Damper, Add	*22.40*	
		For 3 Hour Rated, Add	*19.91*	
		For Damper Blades Outside Air Stream, Add	*29.87*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.28	24.99
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.97	26.59
		For Horizontal, Add	*7.20*	
		For Dynamic Damper, Add	*10.80*	
		For 3 Hour Rated, Add	*9.60*	
		For Damper Blades Outside Air Stream, Add	*14.41*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.14	28.28
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.31	29.97
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.40	31.57
		For Horizontal, Add	*8.17*	
		For Dynamic Damper, Add	*12.26*	
		For 3 Hour Rated, Add	*10.89*	
		For Damper Blades Outside Air Stream, Add	*16.34*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.50	33.27
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.17	38.27
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.86	41.57
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.88	44.27
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.75	46.57
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.76	49.27
		For Horizontal, Add	*14.23*	
		For Dynamic Damper, Add	*21.35*	
		For 3 Hour Rated, Add	*18.97*	
		For Damper Blades Outside Air Stream, Add	*28.46*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.65	50.57
		For Horizontal, Add	*16.16*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.55*	
		For Damper Blades Outside Air Stream, Add	*32.33*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.37	53.26
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.63	24.99
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.32	26.59
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.83	28.28
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.99	29.97
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.67	31.57
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.36	33.27
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.21	39.97
		For Horizontal, Add	*10.54*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.06*	
		For Damper Blades Outside Air Stream, Add	*21.09*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.04	43.27
		For Horizontal, Add	*11.42*	
		For Dynamic Damper, Add	*17.13*	
		For 3 Hour Rated, Add	*15.23*	
		For Damper Blades Outside Air Stream, Add	*22.84*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.75	46.57
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.28	49.96
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.99	53.26
		For Horizontal, Add	*16.52*	
		For Dynamic Damper, Add	*24.77*	
		For 3 Hour Rated, Add	*22.02*	
		For Damper Blades Outside Air Stream, Add	*33.03*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.52	54.86
		For Horizontal, Add	*18.10*	
		For Dynamic Damper, Add	*27.14*	
		For 3 Hour Rated, Add	*24.13*	
		For Damper Blades Outside Air Stream, Add	*36.19*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.06	56.56
		For Horizontal, Add	*19.68*	
		For Dynamic Damper, Add	*29.52*	
		For 3 Hour Rated, Add	*26.24*	
		For Damper Blades Outside Air Stream, Add	*39.35*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.62	58.26
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.14	26.59
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.83	28.28
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.99	29.97
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.50	33.27
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.17	36.57
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.86	39.97
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.88	43.27
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.89	46.57
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.42	49.96
		For Horizontal, Add	*13.88*	
		For Dynamic Damper, Add	*20.82*	
		For 3 Hour Rated, Add	*18.51*	
		For Damper Blades Outside Air Stream, Add	*27.76*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.30	53.26
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.85	54.86
		For Horizontal, Add	*17.40*	
		For Dynamic Damper, Add	*26.09*	
		For 3 Hour Rated, Add	*23.19*	
		For Damper Blades Outside Air Stream, Add	*34.79*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.89	56.56
		For Horizontal, Add	*19.50*	
		For Dynamic Damper, Add	*29.25*	
		For 3 Hour Rated, Add	*26.00*	
		For Damper Blades Outside Air Stream, Add	*39.00*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.44	59.86
		For Horizontal, Add	*21.08*	
		For Dynamic Damper, Add	*31.63*	
		For 3 Hour Rated, Add	*28.11*	
		For Damper Blades Outside Air Stream, Add	*42.17*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.49	61.56
		For Horizontal, Add	*23.19*	
		For Dynamic Damper, Add	*34.79*	
		For 3 Hour Rated, Add	*30.92*	
		For Damper Blades Outside Air Stream, Add	*46.39*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.84	66.56
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.65	28.28
		For Horizontal, Add	*7.91*	
		For Dynamic Damper, Add	*11.86*	
		For 3 Hour Rated, Add	*10.54*	
		For Damper Blades Outside Air Stream, Add	*15.81*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.33	29.97
		For Horizontal, Add	*8.61*	
		For Dynamic Damper, Add	*12.92*	
		For 3 Hour Rated, Add	*11.48*	
		For Damper Blades Outside Air Stream, Add	*17.22*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.01	33.27
		For Horizontal, Add	*9.31*	
		For Dynamic Damper, Add	*13.97*	
		For 3 Hour Rated, Add	*12.42*	
		For Damper Blades Outside Air Stream, Add	*18.62*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.17	36.57
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.45	39.97
		For Horizontal, Add	*10.28*	
		For Dynamic Damper, Add	*15.42*	
		For 3 Hour Rated, Add	*13.71*	
		For Damper Blades Outside Air Stream, Add	*20.56*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.71	43.27
		For Horizontal, Add	*11.07*	
		For Dynamic Damper, Add	*16.61*	
		For 3 Hour Rated, Add	*14.76*	
		For Damper Blades Outside Air Stream, Add	*22.14*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.73	46.57
		For Horizontal, Add	*12.12*	
		For Dynamic Damper, Add	*18.19*	
		For 3 Hour Rated, Add	*16.17*	
		For Damper Blades Outside Air Stream, Add	*24.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.74	49.96
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.28	53.26
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.33	56.56
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.03	58.26
		For Horizontal, Add	*18.62*	
		For Dynamic Damper, Add	*27.93*	
		For 3 Hour Rated, Add	*24.83*	
		For Damper Blades Outside Air Stream, Add	*37.25*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.27	59.86
		For Horizontal, Add	*20.91*	
		For Dynamic Damper, Add	*31.36*	
		For 3 Hour Rated, Add	*27.88*	
		For Damper Blades Outside Air Stream, Add	*41.82*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.29	63.26
		For Horizontal, Add	*23.01*	
		For Dynamic Damper, Add	*34.52*	
		For 3 Hour Rated, Add	*30.69*	
		For Damper Blades Outside Air Stream, Add	*46.03*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.84	66.56
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.89	71.55
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.59	74.85
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.99	29.97
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.84	33.27
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.35	36.57
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.51	39.97
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.95	43.27
		For Horizontal, Add	*10.81*	
		For Dynamic Damper, Add	*16.21*	
		For 3 Hour Rated, Add	*14.41*	
		For Damper Blades Outside Air Stream, Add	*21.61*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.38	46.57
		For Horizontal, Add	*11.77*	
		For Dynamic Damper, Add	*17.66*	
		For 3 Hour Rated, Add	*15.70*	
		For Damper Blades Outside Air Stream, Add	*23.54*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.81	49.96
		For Horizontal, Add	*12.74*	
		For Dynamic Damper, Add	*19.11*	
		For 3 Hour Rated, Add	*16.98*	
		For Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.25	53.26
		For Horizontal, Add	*13.70*	
		For Dynamic Damper, Add	*20.56*	
		For 3 Hour Rated, Add	*18.27*	
		For Damper Blades Outside Air Stream, Add	*27.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.29	56.56
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.36	58.26
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.24	59.86
		For Horizontal, Add	*19.85*	
		For Dynamic Damper, Add	*29.78*	
		For 3 Hour Rated, Add	*26.47*	
		For Damper Blades Outside Air Stream, Add	*39.71*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.62	63.26
		For Horizontal, Add	*22.31*	
		For Dynamic Damper, Add	*33.47*	
		For 3 Hour Rated, Add	*29.75*	
		For Damper Blades Outside Air Stream, Add	*44.63*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.67	66.56
		For Horizontal, Add	*24.42*	
		For Dynamic Damper, Add	*36.63*	
		For 3 Hour Rated, Add	*32.56*	
		For Damper Blades Outside Air Stream, Add	*48.84*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.89	69.85
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.60	73.25
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.82	76.55
		For Horizontal, Add	*30.75*	
		For Dynamic Damper, Add	*46.12*	
		For 3 Hour Rated, Add	*41.00*	
		For Damper Blades Outside Air Stream, Add	*61.49*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.05	79.85
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.50	33.27
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.35	36.57
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.69	39.97
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.85	43.27
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.87	46.57
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.88	49.96
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.50	53.26
		For Horizontal, Add	*13.44*	
		For Dynamic Damper, Add	*20.16*	
		For 3 Hour Rated, Add	*17.92*	
		For Damper Blades Outside Air Stream, Add	*26.88*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.10	56.56
		For Horizontal, Add	*14.58*	
		For Dynamic Damper, Add	*21.87*	
		For 3 Hour Rated, Add	*19.44*	
		For Damper Blades Outside Air Stream, Add	*29.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.33	58.26
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.38	59.86
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.46*	
		For 3 Hour Rated, Add	*25.30*	
		For Damper Blades Outside Air Stream, Add	*37.95*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.60	63.26
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.82	66.56
		For Horizontal, Add	*23.54*	
		For Dynamic Damper, Add	*35.32*	
		For 3 Hour Rated, Add	*31.39*	
		For Damper Blades Outside Air Stream, Add	*47.09*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.52	69.85
		For Horizontal, Add	*25.30*	
		For Dynamic Damper, Add	*37.95*	
		For 3 Hour Rated, Add	*33.73*	
		For Damper Blades Outside Air Stream, Add	*50.60*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.26	73.25
		For Horizontal, Add	*28.11*	
		For Dynamic Damper, Add	*42.17*	
		For 3 Hour Rated, Add	*37.48*	
		For Damper Blades Outside Air Stream, Add	*56.22*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.65	76.55
		For Horizontal, Add	*30.57*	
		For Dynamic Damper, Add	*45.86*	
		For 3 Hour Rated, Add	*40.76*	
		For Damper Blades Outside Air Stream, Add	*61.14*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.05	79.85
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.07	83.24
		For Horizontal, Add	*35.14*	
		For Dynamic Damper, Add	*52.71*	
		For 3 Hour Rated, Add	*46.85*	
		For Damper Blades Outside Air Stream, Add	*70.28*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.14	86.53
		For Horizontal, Add	*37.25*	
		For Dynamic Damper, Add	*55.87*	
		For 3 Hour Rated, Add	*49.66*	
		For Damper Blades Outside Air Stream, Add	*74.50*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.21	11.09
		For Horizontal, Add	*5.09*	
		For Dynamic Damper, Add	*7.64*	
		For 3 Hour Rated, Add	*6.79*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.16	11.59
		For Horizontal, Add	*5.31*	
		For Dynamic Damper, Add	*7.96*	
		For 3 Hour Rated, Add	*7.08*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.83	11.69
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.83	11.69
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.31	12.00
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.22	13.29
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.31	12.00
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.22	12.69
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.69	13.29
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.15	14.99
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.49	12.69
		For Horizontal, Add	*6.08*	
		For Dynamic Damper, Add	*9.12*	
		For 3 Hour Rated, Add	*8.10*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.69	13.29
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.15	13.99
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.61	14.99
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.27*	
		For 3 Hour Rated, Add	*9.13*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.27	16.69
		For Horizontal, Add	*7.40*	
		For Dynamic Damper, Add	*11.09*	
		For 3 Hour Rated, Add	*9.86*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.63	13.29
		For Horizontal, Add	*8.95*	
		For Dynamic Damper, Add	*13.42*	
		For 3 Hour Rated, Add	*11.93*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.27	14.29
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.92	15.69
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.54	16.69
		For Horizontal, Add	*9.69*	
		For Dynamic Damper, Add	*14.53*	
		For 3 Hour Rated, Add	*12.92*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.65	18.29
		For Horizontal, Add	*10.30*	
		For Dynamic Damper, Add	*15.46*	
		For 3 Hour Rated, Add	*13.74*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.75	19.99
		For Horizontal, Add	*10.92*	
		For Dynamic Damper, Add	*16.38*	
		For 3 Hour Rated, Add	*14.56*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.27	13.99
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.73	14.99
		For Horizontal, Add	*9.56*	
		For Dynamic Damper, Add	*14.35*	
		For 3 Hour Rated, Add	*12.75*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.20	16.69
		For Horizontal, Add	*9.94*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.25*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.29	18.29
		For Horizontal, Add	*10.55*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.07*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.57	19.99
		For Horizontal, Add	*11.04*	
		For Dynamic Damper, Add	*16.56*	
		For 3 Hour Rated, Add	*14.72*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.67	21.59
		For Horizontal, Add	*11.66*	
		For Dynamic Damper, Add	*17.48*	
		For 3 Hour Rated, Add	*15.54*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.12	23.29
		For Horizontal, Add	*12.03*	
		For Dynamic Damper, Add	*18.04*	
		For 3 Hour Rated, Add	*16.03*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.92	14.99
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.18	16.69
		For Horizontal, Add	*9.93*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.24*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.47	18.29
		For Horizontal, Add	*10.43*	
		For Dynamic Damper, Add	*15.64*	
		For 3 Hour Rated, Add	*13.90*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.04	19.99
		For Horizontal, Add	*11.41*	
		For Dynamic Damper, Add	*17.12*	
		For 3 Hour Rated, Add	*15.22*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.50	21.59
		For Horizontal, Add	*11.78*	
		For Dynamic Damper, Add	*17.67*	
		For 3 Hour Rated, Add	*15.71*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.94	23.29
		For Horizontal, Add	*12.15*	
		For Dynamic Damper, Add	*18.22*	
		For 3 Hour Rated, Add	*16.20*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.22	24.99
		For Horizontal, Add	*12.64*	
		For Dynamic Damper, Add	*18.96*	
		For 3 Hour Rated, Add	*16.85*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.49	26.59
		For Horizontal, Add	*13.13*	
		For Dynamic Damper, Add	*19.70*	
		For 3 Hour Rated, Add	*17.51*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.26	16.69
		For Horizontal, Add	*12.20*	
		For Dynamic Damper, Add	*18.29*	
		For 3 Hour Rated, Add	*16.26*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.19	18.29
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.48	19.99
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.38	21.59
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.84	23.29
		For Horizontal, Add	*14.53*	
		For Dynamic Damper, Add	*21.80*	
		For 3 Hour Rated, Add	*19.38*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.29	24.99
		For Horizontal, Add	*14.90*	
		For Dynamic Damper, Add	*22.35*	
		For 3 Hour Rated, Add	*19.87*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.21	26.59
		For Horizontal, Add	*15.64*	
		For Dynamic Damper, Add	*23.46*	
		For 3 Hour Rated, Add	*20.85*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.11	29.97
		For Horizontal, Add	*16.38*	
		For Dynamic Damper, Add	*24.57*	
		For 3 Hour Rated, Add	*21.84*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.67	33.27
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.19	18.29
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.48	19.99
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.38	21.59
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.65	23.29
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.76	24.99
		For Horizontal, Add	*15.27*	
		For Dynamic Damper, Add	*22.91*	
		For 3 Hour Rated, Add	*20.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.84	26.59
		For Horizontal, Add	*15.88*	
		For Dynamic Damper, Add	*23.83*	
		For 3 Hour Rated, Add	*21.18*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.75	29.97
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.67	33.27
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.51	34.97
		For Horizontal, Add	*18.84*	
		For Dynamic Damper, Add	*28.26*	
		For 3 Hour Rated, Add	*25.12*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.70	38.27
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.38	19.99
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.01	21.59
		For Horizontal, Add	*14.41*	
		For Dynamic Damper, Add	*21.61*	
		For 3 Hour Rated, Add	*19.21*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.65	23.29
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.92	24.99
		For Horizontal, Add	*15.15*	
		For Dynamic Damper, Add	*22.72*	
		For 3 Hour Rated, Add	*20.19*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.15	26.59
		For Horizontal, Add	*15.93*	
		For Dynamic Damper, Add	*23.90*	
		For 3 Hour Rated, Add	*21.24*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.75	29.97
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.32	33.27
		For Horizontal, Add	*17.61*	
		For Dynamic Damper, Add	*26.41*	
		For 3 Hour Rated, Add	*23.48*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.87	36.57
		For Horizontal, Add	*18.59*	
		For Dynamic Damper, Add	*27.89*	
		For 3 Hour Rated, Add	*24.79*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.70	38.27
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.17	40.97
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.29	43.27
		For Horizontal, Add	*23.76*	
		For Dynamic Damper, Add	*35.64*	
		For 3 Hour Rated, Add	*31.68*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.74	21.59
		For Horizontal, Add	*16.17*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.56*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.46	23.29
		For Horizontal, Add	*16.73*	
		For Dynamic Damper, Add	*25.09*	
		For 3 Hour Rated, Add	*22.30*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.21	24.99
		For Horizontal, Add	*17.29*	
		For Dynamic Damper, Add	*25.93*	
		For 3 Hour Rated, Add	*23.05*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.84	26.59
		For Horizontal, Add	*18.13*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*24.18*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.64	29.97
		For Horizontal, Add	*18.56*	
		For Dynamic Damper, Add	*27.83*	
		For 3 Hour Rated, Add	*24.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.46	31.57
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.47*	
		For 3 Hour Rated, Add	*25.31*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.82	36.57
		For Horizontal, Add	*20.39*	
		For Dynamic Damper, Add	*30.58*	
		For 3 Hour Rated, Add	*27.18*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.18	39.97
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.42	41.27
		For Horizontal, Add	*23.48*	
		For Dynamic Damper, Add	*35.21*	
		For 3 Hour Rated, Add	*31.30*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.40	44.27
		For Horizontal, Add	*25.72*	
		For Dynamic Damper, Add	*38.59*	
		For 3 Hour Rated, Add	*34.30*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.50	46.57
		For Horizontal, Add	*27.69*	
		For Dynamic Damper, Add	*41.54*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.50	48.26
		For Horizontal, Add	*29.94*	
		For Dynamic Damper, Add	*44.91*	
		For 3 Hour Rated, Add	*39.92*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.03	24.99
		For Horizontal, Add	*18.46*	
		For Dynamic Damper, Add	*27.69*	
		For 3 Hour Rated, Add	*24.62*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.53	26.59
		For Horizontal, Add	*19.59*	
		For Dynamic Damper, Add	*29.38*	
		For 3 Hour Rated, Add	*26.12*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.40	28.28
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.27	29.97
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.82	31.57
		For Horizontal, Add	*21.13*	
		For Dynamic Damper, Add	*31.70*	
		For 3 Hour Rated, Add	*28.18*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.38	33.27
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.87	38.27
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.36	41.57
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.60	44.27
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.20	46.57
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.43	49.27
		For Horizontal, Add	*30.83*	
		For Dynamic Damper, Add	*46.25*	
		For 3 Hour Rated, Add	*41.11*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.05	50.57
		For Horizontal, Add	*33.92*	
		For Dynamic Damper, Add	*50.89*	
		For 3 Hour Rated, Add	*45.23*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.79	53.26
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.78	24.99
		For Horizontal, Add	*19.02*	
		For Dynamic Damper, Add	*28.54*	
		For 3 Hour Rated, Add	*25.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.28	26.59
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.90	28.28
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.76	29.97
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.26	31.57
		For Horizontal, Add	*22.40*	
		For Dynamic Damper, Add	*33.60*	
		For 3 Hour Rated, Add	*29.87*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.76	33.27
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.12	39.97
		For Horizontal, Add	*24.93*	
		For Dynamic Damper, Add	*37.40*	
		For 3 Hour Rated, Add	*33.24*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.47	43.27
		For Horizontal, Add	*26.33*	
		For Dynamic Damper, Add	*39.50*	
		For 3 Hour Rated, Add	*35.11*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.20	46.57
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.06	49.96
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.79	53.26
		For Horizontal, Add	*34.49*	
		For Dynamic Damper, Add	*51.73*	
		For 3 Hour Rated, Add	*45.98*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.65	54.86
		For Horizontal, Add	*37.02*	
		For Dynamic Damper, Add	*55.52*	
		For 3 Hour Rated, Add	*49.35*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.52	56.56
		For Horizontal, Add	*39.55*	
		For Dynamic Damper, Add	*59.32*	
		For 3 Hour Rated, Add	*52.73*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.40	58.26
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.40	26.59
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.90	28.28
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.76	29.97
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.38	33.27
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.87	36.57
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.36	39.97
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.60	43.27
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.83	46.57
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.69	49.96
		For Horizontal, Add	*30.27*	
		For Dynamic Damper, Add	*45.41*	
		For 3 Hour Rated, Add	*40.36*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.29	53.26
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.17	54.86
		For Horizontal, Add	*35.89*	
		For Dynamic Damper, Add	*53.84*	
		For 3 Hour Rated, Add	*47.86*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.64	56.56
		For Horizontal, Add	*39.26*	
		For Dynamic Damper, Add	*58.90*	
		For 3 Hour Rated, Add	*52.35*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.52	59.86
		For Horizontal, Add	*41.80*	
		For Dynamic Damper, Add	*62.69*	
		For 3 Hour Rated, Add	*55.73*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.00	61.56
		For Horizontal, Add	*45.17*	
		For Dynamic Damper, Add	*67.75*	
		For 3 Hour Rated, Add	*60.23*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.98	66.56
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.02	28.28
		For Horizontal, Add	*20.71*	
		For Dynamic Damper, Add	*31.07*	
		For 3 Hour Rated, Add	*27.62*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.51	29.97
		For Horizontal, Add	*21.84*	
		For Dynamic Damper, Add	*32.76*	
		For 3 Hour Rated, Add	*29.12*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.01	33.27
		For Horizontal, Add	*22.96*	
		For Dynamic Damper, Add	*34.44*	
		For 3 Hour Rated, Add	*30.62*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.87	36.57
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.31	39.97
		For Horizontal, Add	*24.51*	
		For Dynamic Damper, Add	*36.76*	
		For 3 Hour Rated, Add	*32.68*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.72	43.27
		For Horizontal, Add	*25.77*	
		For Dynamic Damper, Add	*38.66*	
		For 3 Hour Rated, Add	*34.36*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.96	46.57
		For Horizontal, Add	*27.46*	
		For Dynamic Damper, Add	*41.19*	
		For 3 Hour Rated, Add	*36.61*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.19	49.96
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.06	53.26
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.53	56.56
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.27	58.26
		For Horizontal, Add	*37.86*	
		For Dynamic Damper, Add	*56.79*	
		For 3 Hour Rated, Add	*50.48*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.64	59.86
		For Horizontal, Add	*41.51*	
		For Dynamic Damper, Add	*62.27*	
		For 3 Hour Rated, Add	*55.35*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.10	63.26
		For Horizontal, Add	*44.89*	
		For Dynamic Damper, Add	*67.33*	
		For 3 Hour Rated, Add	*59.85*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.98	66.56
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.45	71.55
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.19	74.85
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.76	29.97
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.12	33.27
		For Horizontal, Add	*22.68*	
		For Dynamic Damper, Add	*34.02*	
		For 3 Hour Rated, Add	*30.24*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.75	36.57
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.61	39.97
		For Horizontal, Add	*23.80*	
		For Dynamic Damper, Add	*35.71*	
		For 3 Hour Rated, Add	*31.74*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.92	43.27
		For Horizontal, Add	*25.35*	
		For Dynamic Damper, Add	*38.03*	
		For 3 Hour Rated, Add	*33.80*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.21	46.57
		For Horizontal, Add	*26.90*	
		For Dynamic Damper, Add	*40.34*	
		For 3 Hour Rated, Add	*35.86*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.51	49.96
		For Horizontal, Add	*28.44*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*37.92*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.81	53.26
		For Horizontal, Add	*29.99*	
		For Dynamic Damper, Add	*44.98*	
		For 3 Hour Rated, Add	*39.98*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.28	56.56
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.78	58.26
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.39	59.86
		For Horizontal, Add	*39.83*	
		For Dynamic Damper, Add	*59.74*	
		For 3 Hour Rated, Add	*53.10*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.62	63.26
		For Horizontal, Add	*43.76*	
		For Dynamic Damper, Add	*65.65*	
		For 3 Hour Rated, Add	*58.35*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.10	66.56
		For Horizontal, Add	*47.14*	
		For Dynamic Damper, Add	*70.70*	
		For 3 Hour Rated, Add	*62.85*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.45	69.85
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.20	73.25
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.55	76.55
		For Horizontal, Add	*57.26*	
		For Dynamic Damper, Add	*85.88*	
		For 3 Hour Rated, Add	*76.34*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.91	79.85
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.38	33.27
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.75	36.57
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.48	39.97
		For Horizontal, Add	*24.08*	
		For Dynamic Damper, Add	*36.13*	
		For 3 Hour Rated, Add	*32.11*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.35	43.27
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.59	46.57
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.82	49.96
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.00	53.26
		For Horizontal, Add	*29.57*	
		For Dynamic Damper, Add	*44.35*	
		For 3 Hour Rated, Add	*39.42*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.17	56.56
		For Horizontal, Add	*31.39*	
		For Dynamic Damper, Add	*47.09*	
		For 3 Hour Rated, Add	*41.86*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.53	58.26
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.02	59.86
		For Horizontal, Add	*38.42*	
		For Dynamic Damper, Add	*57.63*	
		For 3 Hour Rated, Add	*51.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.38	63.26
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.74	66.56
		For Horizontal, Add	*45.73*	
		For Dynamic Damper, Add	*68.60*	
		For 3 Hour Rated, Add	*60.98*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.47	69.85
		For Horizontal, Add	*48.54*	
		For Dynamic Damper, Add	*72.81*	
		For 3 Hour Rated, Add	*64.72*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.45	73.25
		For Horizontal, Add	*53.04*	
		For Dynamic Damper, Add	*79.56*	
		For 3 Hour Rated, Add	*70.72*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.67	76.55
		For Horizontal, Add	*56.97*	
		For Dynamic Damper, Add	*85.46*	
		For 3 Hour Rated, Add	*75.97*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.91	79.85
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	678.37	83.24
		For Horizontal, Add	*64.28*	
		For Dynamic Damper, Add	*96.42*	
		For 3 Hour Rated, Add	*85.71*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.88	86.53
		For Horizontal, Add	*67.66*	
		For Dynamic Damper, Add	*101.49*	
		For 3 Hour Rated, Add	*90.21*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	55.92	19.99
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	57.06	19.99
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	65.94	22.68
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	67.18	22.68
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	77.31	24.99
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	80.73	24.99
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	89.71	27.78
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	100.84	31.28
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	114.90	35.68

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	63.29	22.68
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	66.40	22.68
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	74.09	24.99
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	78.11	24.99
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	87.68	27.78

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	90.13	27.78
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	100.91	31.28
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	113.35	35.68
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	132.24	41.67

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.60	16.64
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.20	17.39
		For 3 Hour Rated, Add	*11.21*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.85	17.54
		For 3 Hour Rated, Add	*11.48*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.85	17.54
		For 3 Hour Rated, Add	*11.48*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.69	17.99
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.38	19.94
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.69	17.99
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.38	19.03
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.72	19.94
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.56	22.48
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.71	19.03
		For 3 Hour Rated, Add	*12.15*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.72	19.94
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.07	20.99
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.92	22.48
		For 3 Hour Rated, Add	*13.09*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.78	25.04
		For 3 Hour Rated, Add	*13.77*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.99	19.94
		For 3 Hour Rated, Add	*22.41*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.83	21.44
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.18	23.53
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.01	25.04
		For 3 Hour Rated, Add	*23.21*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.88	27.43
		For 3 Hour Rated, Add	*23.89*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.74	29.97
		For 3 Hour Rated, Add	*24.56*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.34	20.99
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.84	22.48
		For 3 Hour Rated, Add	*23.08*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.38	25.04
		For 3 Hour Rated, Add	*23.49*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.23	27.43
		For 3 Hour Rated, Add	*24.16*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.41	29.97
		For 3 Hour Rated, Add	*24.70*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.28	32.38
		For 3 Hour Rated, Add	*25.37*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.80	34.92
		For 3 Hour Rated, Add	*25.77*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.18	22.48
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.37	25.04
		For 3 Hour Rated, Add	*23.48*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.55	27.43
		For 3 Hour Rated, Add	*24.02*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.44	29.97
		For 3 Hour Rated, Add	*25.10*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.96	32.38
		For 3 Hour Rated, Add	*25.51*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.48	34.92
		For 3 Hour Rated, Add	*25.91*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.66	37.48
		For 3 Hour Rated, Add	*26.45*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.85	39.87
		For 3 Hour Rated, Add	*26.99*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.45	25.04
		For 3 Hour Rated, Add	*34.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.99	27.43
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.19	29.97
		For 3 Hour Rated, Add	*35.85*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.72	32.38
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.24	34.92
		For 3 Hour Rated, Add	*37.06*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.75	37.48
		For 3 Hour Rated, Add	*37.47*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.29	39.87
		For 3 Hour Rated, Add	*38.27*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.32	44.97
		For 3 Hour Rated, Add	*39.08*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.69	49.91
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.99	27.43
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.19	29.97
		For 3 Hour Rated, Add	*35.85*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.72	32.38
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.91	34.92
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.77	37.48
		For 3 Hour Rated, Add	*37.87*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.63	39.87
		For 3 Hour Rated, Add	*38.54*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.66	44.97
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.69	49.91
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.27	52.47
		For 3 Hour Rated, Add	*41.78*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.99	57.41
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.22	29.97
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.06	32.38
		For 3 Hour Rated, Add	*36.93*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.91	34.92
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.09	37.48
		For 3 Hour Rated, Add	*37.73*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.88	39.87
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.66	44.97
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.04	49.91
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.42	54.86
		For 3 Hour Rated, Add	*41.51*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.99	57.41
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.42	61.46
		For 3 Hour Rated, Add	*45.01*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.68	64.91
		For 3 Hour Rated, Add	*47.16*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.98	32.38
		For 3 Hour Rated, Add	*38.31*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.40	34.92
		For 3 Hour Rated, Add	*38.89*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.81	37.48
		For 3 Hour Rated, Add	*39.48*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.71	39.87
		For 3 Hour Rated, Add	*40.36*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.91	44.97
		For 3 Hour Rated, Add	*40.80*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.59	47.37
		For 3 Hour Rated, Add	*41.24*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.40	54.86
		For 3 Hour Rated, Add	*42.70*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.71	59.96
		For 3 Hour Rated, Add	*44.17*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.48	61.91
		For 3 Hour Rated, Add	*45.92*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.69	66.40
		For 3 Hour Rated, Add	*48.27*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.42	69.85
		For 3 Hour Rated, Add	*50.31*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.62	72.40
		For 3 Hour Rated, Add	*52.66*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.20	37.48
		For 3 Hour Rated, Add	*48.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.54	39.87
		For 3 Hour Rated, Add	*49.62*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.51	42.42
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.47	44.97
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.58	47.37
		For 3 Hour Rated, Add	*51.24*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.20	49.91
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.55	57.41
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.39	62.35
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.17	66.40
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.76	69.85
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.54	73.90
		For 3 Hour Rated, Add	*61.34*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.64	75.85
		For 3 Hour Rated, Add	*64.56*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.29	79.90
		For 3 Hour Rated, Add	*67.49*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.62	37.48
		For 3 Hour Rated, Add	*49.04*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.98	39.87
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.86	42.42
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.83	44.97
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.18	47.37
		For 3 Hour Rated, Add	*52.56*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.52	49.91
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.84	59.96
		For 3 Hour Rated, Add	*55.19*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.13	64.91
		For 3 Hour Rated, Add	*56.65*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.76	69.85
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.93	74.95
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.56	79.90
		For 3 Hour Rated, Add	*65.14*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.23	82.29
		For 3 Hour Rated, Add	*67.78*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.90	84.84
		For 3 Hour Rated, Add	*70.42*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.59	87.39
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.51	39.87
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.86	42.42
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.83	44.97
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.20	49.91
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.05	54.86
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.90	59.96
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.67	64.91
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.44	69.85
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.61	74.95
		For 3 Hour Rated, Add	*60.75*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.70	79.90
		For 3 Hour Rated, Add	*63.97*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.39	82.29
		For 3 Hour Rated, Add	*66.61*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.43	84.84
		For 3 Hour Rated, Add	*70.12*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	633.61	89.78
		For 3 Hour Rated, Add	*72.76*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.67	92.34
		For 3 Hour Rated, Add	*76.27*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.87	99.83
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.39	42.42
		For 3 Hour Rated, Add	*50.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.75	44.97
		For 3 Hour Rated, Add	*51.97*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.59	49.91
		For 3 Hour Rated, Add	*53.14*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.05	54.86
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.64	59.96
		For 3 Hour Rated, Add	*54.75*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.21	64.91
		For 3 Hour Rated, Add	*56.07*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.98	69.85
		For 3 Hour Rated, Add	*57.83*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.75	74.95
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.93	79.90
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.48	84.84
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.61	87.39
		For 3 Hour Rated, Add	*68.66*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.15	89.78
		For 3 Hour Rated, Add	*72.47*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.69	94.88
		For 3 Hour Rated, Add	*75.98*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.87	99.83
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.92	107.33
		For 3 Hour Rated, Add	*82.13*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.55	112.28
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.83	44.97
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.12	49.91
		For 3 Hour Rated, Add	*52.85*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.51	54.86
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.97	59.96
		For 3 Hour Rated, Add	*54.02*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.01	64.91
		For 3 Hour Rated, Add	*55.63*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.05	69.85
		For 3 Hour Rated, Add	*57.24*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.09	74.95
		For 3 Hour Rated, Add	*58.85*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.14	79.90
		For 3 Hour Rated, Add	*60.46*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.68	84.84
		For 3 Hour Rated, Add	*63.97*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.77	87.39
		For 3 Hour Rated, Add	*67.49*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.35	89.78
		For 3 Hour Rated, Add	*70.71*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.84	94.88
		For 3 Hour Rated, Add	*74.81*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	691.40	99.83
		For 3 Hour Rated, Add	*78.32*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.42	104.78
		For 3 Hour Rated, Add	*82.13*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	755.06	109.87
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	789.08	114.82
		For 3 Hour Rated, Add	*88.86*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.09	119.77
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.20	49.91
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.51	54.86
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.44	59.96
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.88	64.91
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.66	69.85
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.43	74.95
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.94	79.90
		For 3 Hour Rated, Add	*60.02*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.45	84.84
		For 3 Hour Rated, Add	*61.93*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.98	87.39
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.03	89.78
		For 3 Hour Rated, Add	*69.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.07	94.88
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.09	99.83
		For 3 Hour Rated, Add	*76.86*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	713.72	104.78
		For 3 Hour Rated, Add	*79.79*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	752.13	109.87
		For 3 Hour Rated, Add	*84.47*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.62	114.82
		For 3 Hour Rated, Add	*88.57*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.09	119.77
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	855.65	124.87
		For 3 Hour Rated, Add	*96.18*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.23	129.81
		For 3 Hour Rated, Add	*99.70*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.84	11.09
		For Dynamic Damper, Add	*10.93*	
		For 3 Hour Rated, Add	*9.71*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.56	11.59
		For Dynamic Damper, Add	*11.20*	
		For 3 Hour Rated, Add	*9.96*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.00	11.69
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.00	11.69
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.24	12.00
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.68	13.29
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.24	12.00
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.68	12.69
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.92	13.29
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.14	14.99
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.07	12.69
		For Dynamic Damper, Add	*12.17*	
		For 3 Hour Rated, Add	*10.82*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.92	13.29
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.14	13.99
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.38	14.99
		For Dynamic Damper, Add	*13.14*	
		For 3 Hour Rated, Add	*11.68*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.44	16.69
		For Dynamic Damper, Add	*13.83*	
		For 3 Hour Rated, Add	*12.30*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.70	13.29
		For Dynamic Damper, Add	*22.66*	
		For 3 Hour Rated, Add	*20.15*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.93	14.29
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.16	15.69
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.37	16.69
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*20.88*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.46	18.29
		For Dynamic Damper, Add	*24.19*	
		For 3 Hour Rated, Add	*21.50*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.53	19.99
		For Dynamic Damper, Add	*24.88*	
		For 3 Hour Rated, Add	*22.11*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.93	13.99
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.77	14.99
		For Dynamic Damper, Add	*23.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.62	16.69
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.69	18.29
		For Dynamic Damper, Add	*24.46*	
		For 3 Hour Rated, Add	*21.75*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.14	19.99
		For Dynamic Damper, Add	*25.02*	
		For 3 Hour Rated, Add	*22.24*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.22	21.59
		For Dynamic Damper, Add	*25.71*	
		For 3 Hour Rated, Add	*22.85*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.06	23.29
		For Dynamic Damper, Add	*26.12*	
		For 3 Hour Rated, Add	*23.22*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.16	14.99
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.61	16.69
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.07	18.29
		For Dynamic Damper, Add	*24.32*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.00	19.99
		For Dynamic Damper, Add	*25.43*	
		For 3 Hour Rated, Add	*22.61*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.84	21.59
		For Dynamic Damper, Add	*25.85*	
		For 3 Hour Rated, Add	*22.98*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.68	23.29
		For Dynamic Damper, Add	*26.26*	
		For 3 Hour Rated, Add	*23.35*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.13	24.99
		For Dynamic Damper, Add	*26.82*	
		For 3 Hour Rated, Add	*23.84*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.59	26.59
		For Dynamic Damper, Add	*27.37*	
		For 3 Hour Rated, Add	*24.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.66	16.69
		For Dynamic Damper, Add	*32.11*	
		For 3 Hour Rated, Add	*28.54*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.36	18.29
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.83	19.99
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.52	21.59
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.35	23.29
		For Dynamic Damper, Add	*34.74*	
		For 3 Hour Rated, Add	*30.88*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.19	24.99
		For Dynamic Damper, Add	*35.15*	
		For 3 Hour Rated, Add	*31.25*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.88	26.59
		For Dynamic Damper, Add	*35.98*	
		For 3 Hour Rated, Add	*31.99*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.55	29.97
		For Dynamic Damper, Add	*36.81*	
		For 3 Hour Rated, Add	*32.72*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.47	33.27
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.36	18.29
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.83	19.99
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.52	21.59
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.96	23.29
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.03	24.99
		For Dynamic Damper, Add	*35.57*	
		For 3 Hour Rated, Add	*31.62*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.10	26.59
		For Dynamic Damper, Add	*36.26*	
		For 3 Hour Rated, Add	*32.23*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.77	29.97
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.47	33.27
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.85	34.97
		For Dynamic Damper, Add	*39.58*	
		For 3 Hour Rated, Add	*35.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.99	38.27
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.52	19.99
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.73	21.59
		For Dynamic Damper, Add	*34.60*	
		For 3 Hour Rated, Add	*30.75*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.96	23.29
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.41	24.99
		For Dynamic Damper, Add	*35.43*	
		For 3 Hour Rated, Add	*31.49*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.34	26.59
		For Dynamic Damper, Add	*36.31*	
		For 3 Hour Rated, Add	*32.28*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.77	29.97
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.70	33.27
		For Dynamic Damper, Add	*38.20*	
		For 3 Hour Rated, Add	*33.95*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.62	36.57
		For Dynamic Damper, Add	*39.31*	
		For 3 Hour Rated, Add	*34.94*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.99	38.27
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.60	40.97
		For Dynamic Damper, Add	*42.91*	
		For 3 Hour Rated, Add	*38.14*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.43	43.27
		For Dynamic Damper, Add	*45.12*	
		For 3 Hour Rated, Add	*40.10*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.31	21.59
		For Dynamic Damper, Add	*35.63*	
		For 3 Hour Rated, Add	*31.67*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.87	23.29
		For Dynamic Damper, Add	*36.21*	
		For 3 Hour Rated, Add	*32.18*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.44	24.99
		For Dynamic Damper, Add	*36.79*	
		For 3 Hour Rated, Add	*32.70*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.31	26.59
		For Dynamic Damper, Add	*37.66*	
		For 3 Hour Rated, Add	*33.47*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.24	29.97
		For Dynamic Damper, Add	*38.09*	
		For 3 Hour Rated, Add	*33.86*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.17	31.57
		For Dynamic Damper, Add	*38.53*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.60	36.57
		For Dynamic Damper, Add	*39.98*	
		For 3 Hour Rated, Add	*35.54*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.03	39.97
		For Dynamic Damper, Add	*41.42*	
		For 3 Hour Rated, Add	*36.82*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.76	41.27
		For Dynamic Damper, Add	*43.17*	
		For 3 Hour Rated, Add	*38.37*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.06	44.27
		For Dynamic Damper, Add	*45.48*	
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.07	46.57
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.38	48.26
		For Dynamic Damper, Add	*49.83*	
		For 3 Hour Rated, Add	*44.30*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.45	24.99
		For Dynamic Damper, Add	*41.96*	
		For 3 Hour Rated, Add	*37.30*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.60	26.59
		For Dynamic Damper, Add	*43.12*	
		For 3 Hour Rated, Add	*38.33*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.89	28.28
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.17	29.97
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.68	31.57
		For Dynamic Damper, Add	*44.72*	
		For 3 Hour Rated, Add	*39.75*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.19	33.27
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.33	38.27
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.49	41.57
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.21	44.27
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.37	46.57
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.08	49.27
		For Dynamic Damper, Add	*54.72*	
		For 3 Hour Rated, Add	*48.64*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.26	50.57
		For Dynamic Damper, Add	*57.91*	
		For 3 Hour Rated, Add	*51.47*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.15	53.26
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.03	24.99
		For Dynamic Damper, Add	*42.54*	
		For 3 Hour Rated, Add	*37.82*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.18	26.59
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.05	28.28
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.33	29.97
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.48	31.57
		For Dynamic Damper, Add	*46.02*	
		For 3 Hour Rated, Add	*40.91*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.63	33.27
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.07	39.97
		For Dynamic Damper, Add	*48.63*	
		For 3 Hour Rated, Add	*43.23*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.49	43.27
		For Dynamic Damper, Add	*50.08*	
		For 3 Hour Rated, Add	*44.52*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.37	46.57
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.96	49.96
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.83	53.26
		For Dynamic Damper, Add	*58.49*	
		For 3 Hour Rated, Add	*51.99*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.42	54.86
		For Dynamic Damper, Add	*61.10*	
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.02	56.56
		For Dynamic Damper, Add	*63.71*	
		For 3 Hour Rated, Add	*56.63*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.62	58.26
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.89	26.59
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.05	28.28
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.33	29.97
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.19	33.27
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.33	36.57
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.49	39.97
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.21	43.27
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.92	46.57
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.51	49.96
		For Dynamic Damper, Add	*54.14*	
		For 3 Hour Rated, Add	*48.12*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.68	53.26
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.28	54.86
		For Dynamic Damper, Add	*59.94*	
		For 3 Hour Rated, Add	*53.28*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.73	56.56
		For Dynamic Damper, Add	*63.42*	
		For 3 Hour Rated, Add	*56.37*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.33	59.86
		For Dynamic Damper, Add	*66.03*	
		For 3 Hour Rated, Add	*58.69*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.78	61.56
		For Dynamic Damper, Add	*69.50*	
		For 3 Hour Rated, Add	*61.78*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.08	66.56
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.76	28.28
		For Dynamic Damper, Add	*44.28*	
		For 3 Hour Rated, Add	*39.36*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.90	29.97
		For Dynamic Damper, Add	*45.44*	
		For 3 Hour Rated, Add	*40.39*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.05	33.27
		For Dynamic Damper, Add	*46.60*	
		For 3 Hour Rated, Add	*41.42*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.33	36.57
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.14	39.97
		For Dynamic Damper, Add	*48.20*	
		For 3 Hour Rated, Add	*42.84*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.92	43.27
		For Dynamic Damper, Add	*49.50*	
		For 3 Hour Rated, Add	*44.00*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.64	46.57
		For Dynamic Damper, Add	*51.24*	
		For 3 Hour Rated, Add	*45.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.36	49.96
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.96	53.26
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.40	56.56
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.28	58.26
		For Dynamic Damper, Add	*61.97*	
		For 3 Hour Rated, Add	*55.08*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.04	59.86
		For Dynamic Damper, Add	*65.74*	
		For 3 Hour Rated, Add	*58.43*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.47	63.26
		For Dynamic Damper, Add	*69.21*	
		For 3 Hour Rated, Add	*61.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.08	66.56
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.53	71.55
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.41	74.85
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.33	29.97
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.76	33.27
		For Dynamic Damper, Add	*46.31*	
		For 3 Hour Rated, Add	*41.17*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.62	36.57
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.90	39.97
		For Dynamic Damper, Add	*47.47*	
		For 3 Hour Rated, Add	*42.20*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.99	43.27
		For Dynamic Damper, Add	*49.07*	
		For 3 Hour Rated, Add	*43.62*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.06	46.57
		For Dynamic Damper, Add	*50.66*	
		For 3 Hour Rated, Add	*45.03*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.14	49.96
		For Dynamic Damper, Add	*52.26*	
		For 3 Hour Rated, Add	*46.45*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.22	53.26
		For Dynamic Damper, Add	*53.85*	
		For 3 Hour Rated, Add	*47.87*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.67	56.56
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.14	58.26
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.31	59.86
		For Dynamic Damper, Add	*64.00*	
		For 3 Hour Rated, Add	*56.89*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.33	63.26
		For Dynamic Damper, Add	*68.06*	
		For 3 Hour Rated, Add	*60.49*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.79	66.56
		For Dynamic Damper, Add	*71.53*	
		For 3 Hour Rated, Add	*63.59*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.53	69.85
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.42	73.25
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.16	76.55
		For Dynamic Damper, Add	*81.97*	
		For 3 Hour Rated, Add	*72.86*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.91	79.85
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.19	33.27
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.62	36.57
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.19	39.97
		For Dynamic Damper, Add	*47.76*	
		For 3 Hour Rated, Add	*42.45*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.48	43.27
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.20	46.57
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.91	49.96
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.29	53.26
		For Dynamic Damper, Add	*53.42*	
		For 3 Hour Rated, Add	*47.48*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.65	56.56
		For Dynamic Damper, Add	*55.30*	
		For 3 Hour Rated, Add	*49.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.40	58.26
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.86	59.86
		For Dynamic Damper, Add	*62.55*	
		For 3 Hour Rated, Add	*55.60*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.60	63.26
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.35	66.56
		For Dynamic Damper, Add	*70.09*	
		For 3 Hour Rated, Add	*62.30*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	534.22	69.85
		For Dynamic Damper, Add	*72.98*	
		For 3 Hour Rated, Add	*64.87*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.83	73.25
		For Dynamic Damper, Add	*77.62*	
		For 3 Hour Rated, Add	*69.00*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.86	76.55
		For Dynamic Damper, Add	*81.68*	
		For 3 Hour Rated, Add	*72.60*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.91	79.85
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.33	83.24
		For Dynamic Damper, Add	*89.21*	
		For 3 Hour Rated, Add	*79.30*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.81	86.53
		For Dynamic Damper, Add	*92.70*	
		For 3 Hour Rated, Add	*82.40*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	55.72	11.09
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	64.69	11.59
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	74.87	11.69
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	72.38	11.69
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	70.42	12.00
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	83.02	13.29
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	66.98	12.00
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	81.30	13.29
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	79.59	13.99
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	90.12	14.99
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	74.13	12.69
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	77.08	13.99
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	88.87	14.99
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	83.73	16.69
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	94.36	18.29
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	81.30	13.29
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	85.10	14.99
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	82.12	16.69
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	88.55	16.69
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	99.98	18.29
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	111.41	19.99
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	75.83	13.99
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	73.91	14.99
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	86.13	16.69
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	98.37	18.29
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	110.60	19.99
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	124.69	21.59
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	142.15	24.99
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	125.24	26.59
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	144.27	29.97
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	82.59	14.99
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	82.12	16.69
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	95.15	18.29
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	108.20	19.99
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	123.04	21.59
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	136.32	23.29
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	125.24	26.59
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	130.27	26.59
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	150.31	29.97
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	170.36	33.27
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	167.42	36.57
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	184.60	39.97
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	78.90	16.69
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	93.55	18.29
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	108.20	19.99
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	124.69	21.59
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	117.21	24.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	128.25	26.59
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	144.27	29.97
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	150.31	29.97
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	172.38	33.27
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	170.28	36.57
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	188.92	39.97
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	207.53	43.27
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	208.90	46.57
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	225.78	49.96
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	232.68	49.96
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	83.73	16.69
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	99.98	18.29
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	123.04	21.59
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	117.21	24.99
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	129.26	26.59
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	146.28	29.97
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	163.33	33.27
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	170.36	33.27
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	170.28	36.57
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	190.35	39.97
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	210.40	43.27
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	222.33	49.96
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	230.38	49.96
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	248.43	53.26
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	266.47	56.56
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	274.52	56.56
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	278.49	59.86
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	285.52	59.86
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	93.55	18.29
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	118.06	21.59
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	136.32	23.29
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	128.25	26.59
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	146.28	29.97
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	164.33	33.27
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	151.67	33.27
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	167.42	36.57
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	188.92	39.97
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	210.40	43.27
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	223.48	49.96
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	232.68	49.96
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	251.88	53.26
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	271.07	56.56
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	276.47	59.86
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	284.52	59.86
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	302.55	63.26
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	310.60	63.26
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	310.25	66.56
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	317.14	66.56
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	334.03	69.85
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	98.37	18.29
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	129.68	23.29
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	125.24	26.59
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	144.27	29.97
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	163.33	33.27
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	151.67	33.27
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	168.13	36.57
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	184.60	39.97
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	207.53	43.27
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	222.33	49.96
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	232.68	49.96
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	253.03	53.26
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	273.37	56.56
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	279.48	59.86
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	298.52	63.26
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	307.58	63.26
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	308.52	66.56
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	316.28	66.56
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	334.03	69.85
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	341.79	69.85
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	349.56	69.85
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	108.20	19.99
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	141.32	24.99
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	130.27	26.59
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	150.31	29.97
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	170.36	33.27
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	167.42	36.57
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	184.60	39.97
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	201.77	43.27
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	208.90	46.57
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	230.38	49.96
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	251.88	53.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	273.37	56.56
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	280.49	59.86
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	300.53	63.26
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	310.60	63.26
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	307.66	66.56
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	119.72	21.59
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	124.23	26.59
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	145.28	29.97
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	166.34	33.27
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	165.26	36.57
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	183.16	39.97
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	191.07	39.97
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	208.96	43.27
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	225.78	49.96
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	248.43	53.26
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	271.07	56.56
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	279.48	59.86
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	300.53	63.26
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	311.60	63.26
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	313.70	66.56
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	318.44	66.56
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	129.68	23.29
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	128.25	26.59
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	150.31	29.97
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	151.67	33.27
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	170.28	36.57
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	188.92	39.97
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	207.53	43.27
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	208.90	46.57
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	232.68	49.96
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	266.47	56.56
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	276.47	59.86
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	298.52	63.26
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	310.60	63.26
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	313.70	66.56
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	334.03	69.85
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	339.21	69.85
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	132.17	23.29
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	140.25	29.97
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	162.83	33.27
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	163.82	36.57
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	182.80	39.97
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	201.77	43.27
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	220.75	46.57
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	221.75	49.96
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	246.13	53.26
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	270.49	56.56
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	280.49	59.86
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	303.05	63.26
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	307.66	66.56
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	318.44	66.56
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	339.21	69.85
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	344.60	69.85

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	59.12	11.09
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	69.24	11.59
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	70.88	11.69
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	73.27	11.69
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	79.07	12.00
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	87.85	13.29
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	86.25	12.00
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	97.43	13.29
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	99.43	13.99
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	104.82	14.99
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	85.22	12.69
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	90.97	13.99
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	97.47	14.99
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	102.46	16.69
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	110.96	18.29
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	101.22	13.29
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	107.97	14.99
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	100.11	16.69
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	100.11	16.69
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	110.67	18.29
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	115.67	19.99
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	100.47	13.99
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	103.47	14.99
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	112.63	16.69

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	121.81	18.29
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	126.81	19.99
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	131.81	21.59
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	143.20	24.99
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	144.76	26.59
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	159.92	29.97
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	114.96	14.99
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	122.55	16.69
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	127.55	18.29
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	137.72	19.99
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	142.72	21.59
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	147.71	23.29
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	161.61	26.59
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	162.90	26.59
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	172.88	29.97
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	185.47	33.27
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	200.65	36.57
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	210.65	39.97
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	143.28	16.69
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	148.28	18.29
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	153.28	19.99
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	158.28	21.59
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	172.16	24.99
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	183.64	26.59
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	193.62	29.97
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	193.62	29.97
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	182.88	33.27
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	181.35	36.57
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	191.35	39.97
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	204.74	43.27
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	216.43	46.57
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	226.42	49.96
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	226.42	49.96
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	131.60	16.69
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	136.60	18.29
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	146.60	21.59
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	158.29	24.99
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	164.99	26.59
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	174.97	29.97
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	184.97	33.27
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	191.77	33.27
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	201.76	36.57
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	211.76	39.97
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	223.45	43.27
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	245.14	49.96
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	245.14	49.96
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	262.79	53.26
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	257.11	56.56
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	257.11	56.56
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	267.11	59.86
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	270.75	59.86
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	146.55	18.29
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	156.55	21.59
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	163.00	23.29
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	175.90	26.59
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	191.70	29.97
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	201.70	33.27
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	201.70	33.27
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	214.59	36.57
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	224.59	39.97
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	234.58	43.27
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	254.56	49.96
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	258.93	49.96
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	271.84	53.26
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	286.19	56.56
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	296.19	59.86
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	296.19	59.86
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	307.62	63.26
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	312.71	63.26
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	312.18	66.56
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	312.18	66.56
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	326.85	69.85
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	172.62	18.29
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	190.29	23.29
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	200.29	26.59
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	210.27	29.97
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	228.29	33.27
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	228.29	33.27
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	238.28	36.57
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	250.96	39.97
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	262.28	43.27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	283.60	49.96
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	283.60	49.96
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	304.30	53.26
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	314.29	56.56
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	324.29	59.86
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	336.94	63.26
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	339.62	63.26
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	349.62	66.56
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	350.28	66.56
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	370.30	69.85
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	370.30	69.85
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	370.30	69.85
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	227.10	19.99
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	243.42	24.99
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	248.42	26.59
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	261.08	29.97
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	257.35	33.27
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	267.34	36.57
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	286.87	39.97
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	296.86	43.27
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	311.63	46.57
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	321.62	49.96
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	331.62	53.26
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	341.61	56.56
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	358.76	59.86
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	373.50	63.26
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	373.50	63.26
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	390.67	66.56
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	255.77	21.59
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	273.14	26.59
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	290.27	29.97
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	300.27	33.27
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	318.61	36.57
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	329.80	39.97
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	329.80	39.97
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	345.16	43.27
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	343.08	49.96
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	355.22	53.26
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	375.94	56.56
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	385.94	59.86
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	400.22	63.26
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	402.37	63.26
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	412.37	66.56
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	414.51	66.56
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	284.60	23.29
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	303.19	26.59
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	315.31	29.97
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	331.76	33.27
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	341.75	36.57
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	356.04	39.97
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	366.03	43.27
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	380.31	46.57
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	364.54	49.96
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	393.12	56.56
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	408.84	59.86
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	418.82	63.26
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	418.82	63.26
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	430.73	66.56
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	448.36	69.85
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	448.36	69.85
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	310.36	23.29
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	334.16	29.97
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	351.79	33.27
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	361.78	36.57
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	377.51	39.97
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	389.41	43.27
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	369.46	46.57
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	379.45	49.96
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	400.30	53.26
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	410.29	56.56
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	420.29	59.86
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	440.28	63.26
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	450.28	66.56
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	455.29	66.56
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	470.71	69.85
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	480.31	69.85

23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	122.47	22.91
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	192.82	22.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	30.07	6.99
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	168.43	25.78
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	188.37	29.38
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	242.62	38.97
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	330.50	44.97
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	372.21	53.97
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	548.38	68.36
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	227.66	25.78
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	258.78	29.38
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	291.64	38.97
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	403.89	44.97
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	453.22	53.97
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	691.69	68.36
23 33 19		**Duct Sound Trap** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	280.79	40.97
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	336.46	46.96
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	432.08	53.95
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	522.40	60.95
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	486.16	60.95
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	613.06	63.95
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	675.55	67.94
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	740.05	71.93
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	962.51	81.93
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	611.57	67.94
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	819.62	81.93
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,430.31	109.90
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,578.64	115.90
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,759.95	124.89
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,973.84	135.88
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	313.13	89.92
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	376.33	103.91
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	484.56	119.89
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	585.89	134.87
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	544.69	134.87
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	690.18	142.87
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	757.76	149.87
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	826.86	157.86
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,081.86	179.84
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	685.06	149.87
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	919.49	179.84
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,600.17	236.79
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,783.72	256.77
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,977.24	272.76
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,223.18	299.73
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	268.62	74.93
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	455.03	111.90
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	637.18	163.85
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	359.18	89.92
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	444.19	103.91
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	596.04	119.89
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	700.40	128.88
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	763.80	138.88
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	954.06	149.87
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,124.30	163.85
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	662.01	138.88
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	927.43	144.87
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,009.80	149.87
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,098.29	157.86
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,369.29	169.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,484.16	179.84

23 33 23 Duct Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	6.67	2.49
		For Stainless Steel, Add	*1.94*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	4.31	1.00
		For Stainless Steel, Add	*2.91*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	14.97	3.75
		For Stainless Steel, Add	*13.36*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	18.00	3.99
		For Stainless Steel, Add	*16.90*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	23.49	4.19
		For Stainless Steel, Add	*23.66*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	29.02	4.50
		For Stainless Steel, Add	*30.42*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	31.99	4.80
		For Stainless Steel, Add	*33.80*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	39.42	4.50
		For Stainless Steel, Add	*43.95*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	48.27	5.29
		For Stainless Steel, Add	*54.09*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	51.66	5.53
		For Stainless Steel, Add	*58.16*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	57.29	5.75
		For Stainless Steel, Add	*65.13*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	81.80	13.99
		For Stainless Steel, Add	*51.20*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	87.18	13.99
		For Stainless Steel, Add	*61.96*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	89.81	13.99
		For Stainless Steel, Add	*67.22*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	116.56	16.99
		For Stainless Steel, Add	*94.78*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	117.63	16.99
		For Stainless Steel, Add	*96.92*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	145.69	22.98
		For Stainless Steel, Add	*111.54*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	172.45	27.97
		For Stainless Steel, Add	*120.10*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	223.61	37.97
		For Stainless Steel, Add	*147.48*	

23 33 43 Flexible Duct Connectors *(23 33)*

23 33 43 00-0001	LF	Flex Duct Connector, Fabric/Sheet Metal	11.43	3.00
23 33 43 00-0002	LF	Flex Duct Connector, Rubber Vinyl	11.36	2.70

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	5.69	1.00
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.34	2.00
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.27	2.00
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	8.49	2.00
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	10.20	3.00
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	13.11	3.00
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	17.91	3.99
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	22.34	3.99
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	29.49	5.00

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	35.51	5.99
		For Stainless Steel, Add	*16.94*	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	38.89	6.99
		For Stainless Steel, Add	*17.16*	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	44.53	6.99
		For Stainless Steel, Add	*18.93*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	50.99	8.99
		For Stainless Steel, Add	*19.53*	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	61.92	10.99
		For Stainless Steel, Add	*22.05*	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	72.30	12.98
		For Stainless Steel, Add	*27.20*	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	82.48	14.99
		For Stainless Steel, Add	*29.30*	
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	97.16	16.99
		For Stainless Steel, Add	*36.69*	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	105.80	18.98
		For Stainless Steel, Add	*40.13*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.28	2.80
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.24	2.80
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.47	3.73
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.27	3.73
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.42	4.20
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.69	3.00
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.60	3.00
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.81	3.99
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.36	3.99
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.40	4.50

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	1.98	2.39
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	1.65	2.70
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.86	2.70
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.69	2.70
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	3.08	3.00
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.26	3.30
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	5.06	3.30

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	44.30	16.48
		For Stainless Steel, Add	*14.73*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	47.30	17.98
		For Stainless Steel, Add	*14.73*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	53.65	18.98
		For Stainless Steel, Add	*20.38*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	59.85	19.98
		For Stainless Steel, Add	*25.86*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	76.81	21.98
		For Stainless Steel, Add	*42.71*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	57.54	19.98
		For Stainless Steel, Add	*22.85*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	75.40	24.97
		For Stainless Steel, Add	*33.07*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	81.93	28.47
		For Stainless Steel, Add	*32.47*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	99.31	33.46
		For Stainless Steel, Add	*42.09*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	114.63	39.96
		For Stainless Steel, Add	*45.11*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	143.40	49.96
		For Stainless Steel, Add	*56.54*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	721.43	29.97
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	593.17	24.97
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	591.13	27.48

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,116.49	306.34
		For 1/4" Static Pressure, Add	*40.26*	
		For 3/8" Static Pressure, Add	*80.51*	
		For 1/2" Static Pressure, Add	*110.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,152.43	307.27
		For 1/4" Static Pressure, Add	*43.13*	
		For 3/8" Static Pressure, Add	*86.26*	
		For 1/2" Static Pressure, Add	*118.61*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,224.32	306.34
		For 1/4" Static Pressure, Add	*48.88*	
		For 3/8" Static Pressure, Add	*97.76*	
		For 1/2" Static Pressure, Add	*134.42*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,296.20	307.27
		For 1/4" Static Pressure, Add	*54.63*	
		For 3/8" Static Pressure, Add	*109.26*	
		For 1/2" Static Pressure, Add	*150.24*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,526.69	367.99
		For 1/4" Static Pressure, Add	*63.26*	
		For 3/8" Static Pressure, Add	*126.52*	
		For 1/2" Static Pressure, Add	*173.96*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	1,734.46	400.18
		For 1/4" Static Pressure, Add	*74.76*	
		For 3/8" Static Pressure, Add	*149.52*	
		For 1/2" Static Pressure, Add	*205.59*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	1,846.59	437.90
		For 1/4" Static Pressure, Add	*77.64*	
		For 3/8" Static Pressure, Add	*155.27*	
		For 1/2" Static Pressure, Add	*213.50*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,070.10	459.97
		For 1/4" Static Pressure, Add	*92.01*	
		For 3/8" Static Pressure, Add	*184.02*	
		For 1/2" Static Pressure, Add	*253.03*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	2,515.75	574.97
		For 1/4" Static Pressure, Add	*109.26*	
		For 3/8" Static Pressure, Add	*218.53*	
		For 1/2" Static Pressure, Add	*300.48*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	2,808.06	613.61
		For 1/4" Static Pressure, Add	*126.52*	
		For 3/8" Static Pressure, Add	*253.03*	
		For 1/2" Static Pressure, Add	*347.92*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	3,284.30	707.45
		For 1/4" Static Pressure, Add	*149.52*	
		For 3/8" Static Pressure, Add	*299.04*	
		For 1/2" Static Pressure, Add	*411.18*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,064.27	297.15
		For 1/4" Static Pressure, Add	*37.66*	
		For 3/8" Static Pressure, Add	*75.32*	
		For 1/2" Static Pressure, Add	*103.57*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,121.22	307.27
		For 1/4" Static Pressure, Add	*40.63*	
		For 3/8" Static Pressure, Add	*81.27*	
		For 1/2" Static Pressure, Add	*111.74*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,158.89	317.38
		For 1/4" Static Pressure, Add	*41.96*	
		For 3/8" Static Pressure, Add	*83.91*	
		For 1/2" Static Pressure, Add	*115.38*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,220.09	328.43
		For 1/4" Static Pressure, Add	*45.04*	
		For 3/8" Static Pressure, Add	*90.08*	
		For 1/2" Static Pressure, Add	*123.86*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,349.04	341.30
		For 1/4" Static Pressure, Add	*53.41*	
		For 3/8" Static Pressure, Add	*106.81*	
		For 1/2" Static Pressure, Add	*146.87*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,417.92	354.18
		For 1/4" Static Pressure, Add	*56.82*	
		For 3/8" Static Pressure, Add	*113.64*	
		For 1/2" Static Pressure, Add	*156.26*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	1,561.84	367.99
		For 1/4" Static Pressure, Add	*66.07*	
		For 3/8" Static Pressure, Add	*132.14*	
		For 1/2" Static Pressure, Add	*181.69*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	1,718.79	367.99
		For 1/4" Static Pressure, Add	*78.72*	
		For 3/8" Static Pressure, Add	*157.44*	
		For 1/2" Static Pressure, Add	*216.48*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	1,968.57	400.18
		For 1/4" Static Pressure, Add	*93.60*	
		For 3/8" Static Pressure, Add	*187.20*	
		For 1/2" Static Pressure, Add	*257.40*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	2,342.81	484.81
		For 1/4" Static Pressure, Add	*110.12*	
		For 3/8" Static Pressure, Add	*220.24*	
		For 1/2" Static Pressure, Add	*302.82*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	2,610.44	484.81
		For 1/4" Static Pressure, Add	*131.20*	
		For 3/8" Static Pressure, Add	*262.40*	
		For 1/2" Static Pressure, Add	*360.80*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	2,853.37	511.49
		For 1/4" Static Pressure, Add	*146.50*	
		For 3/8" Static Pressure, Add	*292.99*	
		For 1/2" Static Pressure, Add	*402.86*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,100.40	540.93
		For 1/4" Static Pressure, Add	*161.65*	
		For 3/8" Static Pressure, Add	*323.30*	
		For 1/2" Static Pressure, Add	*444.54*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,613.33	707.45
		For 1/4" Static Pressure, Add	*176.19*	
		For 3/8" Static Pressure, Add	*352.38*	
		For 1/2" Static Pressure, Add	*484.52*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	4,035.02	708.36
		For 1/4" Static Pressure, Add	*209.92*	
		For 3/8" Static Pressure, Add	*419.85*	
		For 1/2" Static Pressure, Add	*577.29*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	4,590.29	836.06
		For 1/4" Static Pressure, Add	*233.90*	
		For 3/8" Static Pressure, Add	*467.79*	
		For 1/2" Static Pressure, Add	*643.22*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	950.48	202.11
23 34 16 00-0006	EA	1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,348.41	209.75
23 34 16 00-0007	EA	1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,388.44	167.15
23 34 16 00-0008	EA	1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,449.71	229.07
23 34 16 00-0009	EA	3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,486.79	242.87
23 34 16 00-0010	EA	1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,534.79	252.99
23 34 16 00-0011	EA	1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,584.28	269.55

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,550.87	220.79
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,579.71	229.07
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,632.98	242.87
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,664.53	252.99
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,722.52	269.55
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,779.38	282.43

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,563.49	229.07
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,600.55	242.87
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,648.31	252.99
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,690.08	269.55
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,741.54	282.43
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,814.16	303.59
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,870.81	319.22

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,787.05	242.87
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,851.66	252.99
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,924.25	269.55
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,963.12	282.43
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,015.04	303.59
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,059.11	319.22
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,285.33	346.82

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,846.98	252.99
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,892.80	269.55
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,952.37	282.43
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,000.67	303.59
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,065.43	319.22

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,163.70	346.82
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,227.99	367.99
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,324.75	404.78
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	1,868.48	269.55
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	1,928.03	282.43
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,000.67	303.59
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,065.43	319.22
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,188.02	346.82
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,356.57	367.99
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,478.36	404.78
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,603.26	433.30
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,238.88	282.43
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,283.37	303.59
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,342.48	319.22
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,417.78	346.82
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,515.17	367.99
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,552.68	404.78
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,619.48	433.30
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,738.86	485.74
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,687.23	303.59
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,779.97	346.82
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,868.60	367.99
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,964.89	404.78
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,049.25	433.30
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,128.10	485.74
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,232.64	528.05
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,474.26	607.17
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	2,974.98	319.22
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,071.33	367.99
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,167.61	404.78
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,251.98	433.30
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,371.36	485.74
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,475.67	528.05
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,734.51	607.17
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,779.21	674.33
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,160.97	404.78
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,242.14	433.30
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,368.77	485.74
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,481.17	528.05
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,650.07	607.17
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,800.94	674.33
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,054.04	809.56
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,287.06	933.76
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	4,873.77	433.30
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,033.70	485.74
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,178.80	528.05
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,379.88	607.17
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,563.19	674.33
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,848.71	809.56
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,163.30	933.76
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,624.20	1,214.34
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,058.58	485.74
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,122.58	528.05
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,242.57	607.17
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,361.14	674.33

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,963.69	809.56
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,221.27	933.76
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,717.08	1,214.34
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,248.27	1,517.92
23 34 16 00-0108		Kitchen System Fans *(23 34 16 00-0001)*		
23 34 16 00-0109		Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)*		
23 34 16 00-0110		Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*		
		Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	840.55	119.59
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*34.08*	
		For Backdraft Damper, Add	*79.80*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	975.92	119.59
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*34.08*	
		For Backdraft Damper, Add	*79.80*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0113		Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,403.61	119.59
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*34.08*	
		For Wall Mounted Fan, Add	*56.14*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*98.98*	
		For Backdraft Damper, Add	*79.80*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,462.37	119.59
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*34.08*	
		For Wall Mounted Fan, Add	*58.49*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*103.97*	
		For Backdraft Damper, Add	*79.80*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,272.39	137.99
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*38.78*	
		For Wall Mounted Fan, Add	*50.90*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*84.69*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,356.99	137.99
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*38.78*	
		For Wall Mounted Fan, Add	*54.28*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*91.89*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,717.89	160.99
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*38.78*	
		For Wall Mounted Fan, Add	*68.72*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*118.65*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,808.37	160.99
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*38.78*	
		For Wall Mounted Fan, Add	*72.33*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*126.34*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,968.84	172.49
		For Bird Screen, Add	*64.62*	
		For Wall Mounted Fan, Add	*78.75*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*138.03*	
		For Backdraft Damper, Add	*110.00*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,109.84	172.49
		For Bird Screen, Add	*64.62*	
		For Wall Mounted Fan, Add	*84.39*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*150.01*	
		For Backdraft Damper, Add	*110.00*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,149.29	183.99
		For Bird Screen, Add	*64.62*	
		For Wall Mounted Fan, Add	*85.97*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*151.41*	
		For Backdraft Damper, Add	*110.00*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,347.87	183.99
		For Bird Screen, Add	*64.62*	
		For Wall Mounted Fan, Add	*93.91*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*168.29*	
		For Backdraft Damper, Add	*110.00*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,701.70	206.99
		For Bird Screen, Add	*76.38*	
		For Wall Mounted Fan, Add	*108.07*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*194.46*	
		For Backdraft Damper, Add	*119.60*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,883.83	206.99
		For Bird Screen, Add	*76.38*	
		For Wall Mounted Fan, Add	*115.35*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*209.94*	
		For Backdraft Damper, Add	*119.60*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,410.39	229.99
		For Bird Screen, Add	*82.25*	
		For Wall Mounted Fan, Add	*136.42*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*250.79*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,470.32	229.99
		For Bird Screen, Add	*82.25*	
		For Wall Mounted Fan, Add	*138.81*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*255.88*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,774.65	229.99
		For Bird Screen, Add	*82.25*	
		For Wall Mounted Fan, Add	*150.99*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*281.75*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,921.52	229.99
		For Bird Screen, Add	*82.25*	
		For Wall Mounted Fan, Add	*156.86*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*294.23*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,317.85	252.99
		For Bird Screen, Add	*94.00*	
		For Wall Mounted Fan, Add	*172.71*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*324.01*	
		For Damper Motor, Add	*122.65*	
		For Backdraft Damper, Add	*152.94*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,486.75	252.99
		For Bird Screen, Add	*94.00*	
		For Wall Mounted Fan, Add	*179.47*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*338.37*	
		For Damper Motor, Add	*122.65*	
		For Backdraft Damper, Add	*152.94*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	4,537.48	275.99
		For Bird Screen, Add	*94.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*338.77*	
		For Damper Motor, Add	*122.65*	
		For Backdraft Damper, Add	*175.07*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	4,908.31	275.99
		For Bird Screen, Add	*94.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*370.29*	
		For Damper Motor, Add	*122.65*	
		For Backdraft Damper, Add	*175.07*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	965.51	119.59
		For Extended Weatherhood, Add	*168.72*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,011.50	119.59
		For Extended Weatherhood, Add	*175.62*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,067.94	119.59
		For Extended Weatherhood, Add	*184.09*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,089.83	119.59
		For Extended Weatherhood, Add	*187.37*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,235.40	160.99
		For Extended Weatherhood, Add	*217.51*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,484.24	183.99
		For Extended Weatherhood, Add	*259.44*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,728.97	229.99
		For Extended Weatherhood, Add	*305.34*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,091.18	275.99
		For Extended Weatherhood, Add	*368.87*	

23 34 16 00-0145 Replacement Parts *(23 34 16 00-0001)*

23 34 16 00-0146 Replace Belts And Accessories *(23 34 16 00-0145)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	650.37	304.27
23 34 16 00-0148	EA	Fan Belt, Replacement	99.35	41.28
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	2,893.83	166.35
		For Explosion Proof Motor, Add	*384.17*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,160.35	199.82
		For Explosion Proof Motor, Add	*414.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,759.19	249.77
		For Explosion Proof Motor, Add	*488.94*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,092.41	333.20
		For Explosion Proof Motor, Add	*513.89*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,790.93	499.56
		For Explosion Proof Motor, Add	*568.77*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,384.43	999.11
		For Explosion Proof Motor, Add	*957.93*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	12,202.90	1,428.22
		For Explosion Proof Motor, Add	*1,401.97*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	2,893.83	166.35
		For Explosion Proof Motor, Add	*384.17*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	2,994.04	199.82
		For Explosion Proof Motor, Add	*389.16*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,093.96	249.77
		For Explosion Proof Motor, Add	*389.16*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,260.87	333.20
		For Explosion Proof Motor, Add	*389.16*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	4,524.83	499.56
		For Explosion Proof Motor, Add	*528.86*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	4,774.60	624.44
		For Explosion Proof Motor, Add	*528.86*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	4,954.83	714.56
		For Explosion Proof Motor, Add	*528.86*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,090.91	749.33
		For Explosion Proof Motor, Add	*538.84*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,290.69	832.56
		For Explosion Proof Motor, Add	*543.83*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,049.36	119.59
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,331.74	128.79
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,459.07	137.99
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,522.09	137.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,750.32	160.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	1,960.63	160.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,139.42	160.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	2,094.31	183.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,397.10	183.99
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,048.76	229.99
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,215.91	229.99
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	3,333.74	229.99
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,859.44	275.99
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,000.07	275.99
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,172.90	275.99
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan	307.34	80.50
23 34 16 00-0188	EA	1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan	322.75	80.50
23 34 16 00-0189	EA	1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan	343.66	80.50
23 34 16 00-0190	EA	950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan	342.56	80.50
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan	342.56	80.50
23 34 16 00-0192	EA	1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan	375.57	80.50
23 34 16 00-0193	EA	900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan	444.19	85.09
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan	385.87	85.09
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan	407.88	85.09
23 34 16 00-0196	EA	1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan	422.18	85.09
23 34 16 00-0197	EA	1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan	438.69	85.09
23 34 16 00-0198	EA	1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan	438.69	85.09
23 34 16 00-0199	EA	1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan	686.68	89.69
23 34 16 00-0200	EA	1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan	586.55	89.69
23 34 16 00-0201	EA	1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan	586.55	89.69
23 34 16 00-0202	EA	950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan	774.72	89.69
23 34 16 00-0203	EA	1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan	774.72	89.69
23 34 16 00-0204	EA	1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan	774.72	89.69
23 34 16 00-0205	EA	1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	837.44	89.69
23 34 16 00-0206		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0207		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0206)* Note: Greenheck SE1.		
23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	465.03	98.44
		For Backdraft Damper, Add	*84.60*	
		For Wall Mount Collar, Add	*166.35*	
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	495.33	109.47
		For Backdraft Damper, Add	*92.19*	
		For Wall Mount Collar, Add	*166.35*	
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	548.62	121.43
		For Backdraft Damper, Add	*101.80*	
		For Wall Mount Collar, Add	*170.79*	
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	779.74	134.31
		For Backdraft Damper, Add	*120.40*	
		For Wall Mount Collar, Add	*174.06*	
		For Motor Side Guard, Add	*140.80*	
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	815.15	149.03
		For Backdraft Damper, Add	*120.40*	
		For Wall Mount Collar, Add	*178.51*	
		For Motor Side Guard, Add	*149.94*	
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	915.36	165.59
		For Backdraft Damper, Add	*144.00*	
		For Wall Mount Collar, Add	*182.96*	
		For Motor Side Guard, Add	*159.09*	
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,042.40	183.99
		For Backdraft Damper, Add	*144.00*	
		For Wall Mount Collar, Add	*186.22*	
		For Motor Side Guard, Add	*171.76*	
23 34 16 00-0215		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0206)* Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,325.60	263.11
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,523.15	306.34
23 34 16 00-0218	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	1,745.57	367.99
23 34 16 00-0219	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	2,384.32	459.97
23 34 16 00-0220	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	2,901.33	613.61

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0221	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,089.88	919.95
23 34 16 00-0222	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	4,975.32	1,179.38
23 34 16 00-0223		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0206)*		
23 34 16 00-0224	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	70.33	
23 34 16 00-0225	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	157.85	
23 34 16 00-0226		**Reversible Ceiling Fans** *(23 34 16 00-0206)*		
23 34 16 00-0227		**4 Blade Ceiling Fans** *(23 34 16 00-0226)*		
23 34 16 00-0228	EA	42" 4-Blade Ceiling Fan, Three Speed	316.52	45.36
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.76*	
23 34 16 00-0229		**5 Blade Ceiling Fans** *(23 34 16 00-0226)*		
23 34 16 00-0230	EA	42" 5-Blade Ceiling Fan, Three Speed	344.37	112.26
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.80*	
23 34 16 00-0231	EA	52" 5-Blade Ceiling Fan, Three Speed	391.47	112.26
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.89*	
23 34 16 00-0232		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0226)*		
23 34 16 00-0233	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	330.54	45.54
23 34 16 00-0234		**Ceiling Fan Down Rod** *(23 34 16 00-0226)*		
23 34 16 00-0235	EA	1' Ceiling Fan Down Rod	15.19	
23 34 16 00-0236	EA	1-1/2' Ceiling Fan Down Rod	19.28	
23 34 16 00-0237	EA	2' Ceiling Fan Down Rod	21.33	
23 34 16 00-0238	EA	3' Ceiling Fan Down Rod	27.91	
23 34 16 00-0239	EA	4' Ceiling Fan Down Rod	32.47	
23 34 16 00-0240	EA	5' Ceiling Fan Down Rod	39.48	
23 34 16 00-0241	EA	6' Ceiling Fan Down Rod	48.87	
23 34 16 00-0242		**Explosion Proof Industrial Blowers** *(23 34 16 00-0206)*		
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	3,152.72	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	3,454.27	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	4,568.78	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	4,776.39	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	2,881.75	
23 34 16 00-0248	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	3,062.72	
23 34 16 00-0249	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	4,169.75	
23 34 16 00-0250	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	4,511.21	
23 34 16 00-0251		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0252		**Exhaust Fans** *(23 34 16 00-0251)* Note: Excludes ducting.		
23 34 16 00-0253		**Light Duty Exhaust Fans** *(23 34 16 00-0252)*		
23 34 16 00-0254		**Light Duty Exhaust Fans** *(23 34 16 00-0253)*		
23 34 16 00-0255	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670)	102.62	36.65
23 34 16 00-0256	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671)	107.51	36.65
23 34 16 00-0257	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505)	166.28	36.65
23 34 16 00-0258	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504)	205.58	36.65
23 34 16 00-0259	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503)	185.63	36.65
23 34 16 00-0260	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502)	241.43	36.65
23 34 16 00-0261		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0253)*		
23 34 16 00-0262	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	128.80	36.65
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	141.06	36.65
23 34 16 00-0264	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	248.92	36.65
23 34 16 00-0265		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0253)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	131.46	36.65
23 34 16 00-0267	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	198.71	36.65
23 34 16 00-0268		Light Duty Exhaust Fans With Heaters And Lights *(23 34 16 00-0253)*		
23 34 16 00-0269	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	210.36	36.65
23 34 16 00-0270	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	310.46	36.65
23 34 16 00-0271		Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0272		Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0271)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0273	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	149.98	36.65
23 34 16 00-0274	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	164.03	36.65
23 34 16 00-0275	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	285.68	36.65
23 34 16 00-0276	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	292.20	36.65
23 34 16 00-0277	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	312.47	36.65
23 34 16 00-0278	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	325.43	36.65
23 34 16 00-0279	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	330.44	36.65
23 34 16 00-0280	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	375.70	36.65
23 34 16 00-0281	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	425.62	36.65
23 34 16 00-0282	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	454.05	36.65
23 34 16 00-0283	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	537.11	36.65
23 34 16 00-0284	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	685.06	36.65
23 34 16 00-0285		Heavy Duty/Continuous Operation Kitchen Exhaust Fans *(23 34 16 00-0271)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0286	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	295.99	36.65
23 34 16 00-0287	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	421.88	36.65
23 34 16 00-0288	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	445.20	36.65
23 34 16 00-0289		Heavy Duty/Continuous Operation Exhaust Fans With Lights *(23 34 16 00-0271)*		
23 34 16 00-0290	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	161.49	36.65
23 34 16 00-0291	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	174.69	36.65
23 34 16 00-0292		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0271)*		
23 34 16 00-0293	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	167.28	36.65
23 34 16 00-0294	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	176.02	36.65
23 34 16 00-0295	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	180.24	36.65
23 34 16 00-0296		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0297	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	734.84	36.65
23 34 16 00-0298	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	734.84	36.65
23 34 16 00-0299	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	734.84	36.65
23 34 16 00-0300	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	804.72	36.65
23 34 16 00-0301		Room-To-Room Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0302	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	125.50	36.65
23 34 16 00-0303	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	196.88	36.65
23 34 16 00-0304	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	222.89	36.65
23 34 16 00-0305		Through-Wall Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0306	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	209.29	36.65
23 34 16 00-0307	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	245.14	36.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0308	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	184.64	36.65
23 34 16 00-0309	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	241.43	36.65
23 34 16 00-0310	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	409.55	36.65
23 34 16 00-0311		Exhaust Fan Accessories *(23 34 16 00-0252)*		
23 34 16 00-0312		Exhaust Fan Controls *(23 34 16 00-0311)*		
23 34 16 00-0313	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	116.28	22.91
23 34 16 00-0314	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	84.57	22.91
23 34 16 00-0315	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	85.33	22.91
23 34 16 00-0316		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0311)*		
23 34 16 00-0317		Wall Caps For Exhaust Fans *(23 34 16 00-0316)*		
23 34 16 00-0318	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	197.87	49.96
23 34 16 00-0319	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	200.37	49.96
23 34 16 00-0320		Roof Caps For Exhaust Fans *(23 34 16 00-0316)* Note: Includes flashing and built in bird screen.		
23 34 16 00-0321	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	172.11	49.96
23 34 16 00-0322	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	236.93	49.96
23 34 16 00-0323	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	122.28	49.96
23 34 16 00-0324	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	141.72	49.96
23 34 16 00-0325		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0252)* Note: Includes storage and cleaning.		
23 34 16 00-0326	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	69.00	

23 34 23 HVAC Power Ventilators *(23 34)*

23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	540.01	131.56
		For 12" Roof Curb, Add	*150.75*	
		For Backdraft Damper, Add	*73.19*	
		For Solid State Speed Control, Add	*75.58*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	611.51	149.03
		For 12" Roof Curb, Add	*150.75*	
		For Backdraft Damper, Add	*73.19*	
		For Solid State Speed Control, Add	*75.58*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	864.60	173.87
		For 12" Roof Curb, Add	*154.28*	
		For Backdraft Damper, Add	*79.80*	
		For Solid State Speed Control, Add	*75.58*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	916.38	195.95
		For 12" Roof Curb, Add	*154.28*	
		For Backdraft Damper, Add	*79.80*	
		For Solid State Speed Control, Add	*75.58*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,144.06	216.19
		For Solid State Speed Control, Add	*75.58*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,271.14	229.99
		For 12" Roof Curb, Add	*160.15*	
		For Backdraft Damper, Add	*90.40*	
		For Solid State Speed Control, Add	*112.00*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,142.82	195.95
		For 12" Roof Curb, Add	*154.28*	
		For Backdraft Damper, Add	*79.80*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,245.72	249.31
		For 12" Roof Curb, Add	*160.15*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,683.23	297.15
		For 12" Roof Curb, Add	*160.15*	
		For Backdraft Damper, Add	*90.40*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,146.10	367.99
		For 12" Roof Curb, Add	*188.35*	
		For Backdraft Damper, Add	*110.00*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,828.67	459.97
		For 12" Roof Curb, Add	*201.28*	
		For Backdraft Damper, Add	*119.60*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,642.13	574.97
		For 12" Roof Curb, Add	*221.25*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,670.33	574.97
		For 12" Roof Curb, Add	*221.25*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,974.65	574.97
		For 12" Roof Curb, Add	*221.25*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	4,075.50	574.97
		For 12" Roof Curb, Add	*221.25*	
		For Backdraft Damper, Add	*132.19*	
		For Damper Motor, Add	*122.65*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,340.51	707.45
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	6,914.29	919.68
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,787.82	367.34
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,385.96	459.88
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	92.56	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	651.90	148.12
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*90.00*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*79.70*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	748.56	173.87
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*100.60*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*94.72*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,109.84	195.95
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*114.19*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*109.74*	
23 34 23 00-0033		**Belt Drive, Aluminum, Centrifugal Sidewall Exhausters** *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,508.42	110.90
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*109.39*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*165.88*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,597.49	124.89
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*109.39*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*165.88*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,956.60	142.87
		For Solid State Speed Control, Add	*112.00*	
		For Backdraft Damper, Add	*134.72*	
		For Damper Motor, Add	*193.00*	
		For Interior Wall Grill, Add	*192.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 34 33 Air Curtains *(23 34)*

23 34 33 00-0001 Unheated Air Curtains For Entrances *(23 34 33)*

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,754.29	674.33
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,775.82	674.33
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,799.15	674.33
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,184.94	674.33
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,493.46	809.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,628.04	809.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,924.40	933.76
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,461.82	933.76
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	3,530.01	933.76
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	3,711.24	933.76
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*301.65*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*224.08*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*344.74*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0013		**Unheated Air Curtains, High Velocity** *(23 34 33 00-0001)*		
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	2,111.37	674.33
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	2,139.18	674.33
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	2,150.85	674.33
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	2,173.28	674.33
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	3,311.70	809.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	3,449.87	809.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	3,695.10	933.76
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	4,173.30	933.76
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,223.55	933.76
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,419.14	933.76
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.14*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)* Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls.	1,322.08	531.74
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)* Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	3,337.69	593.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	3,624.32	593.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	4,004.63	712.50
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	4,348.59	712.50
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	5,338.72	949.86
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	5,797.33	949.86
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	6,505.74	1,157.30
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	7,064.67	1,157.30
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	8,174.40	1,453.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	9,564.56	1,453.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	9,342.76	1,661.89
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	10,931.17	1,661.89
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	10,674.31	1,899.25
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	12,489.64	1,899.25
		For Door Limit Switch, Combination Roller And Plunger, Add	*110.81*	
		For Flat Side Extension Plates, Add	*104.57*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.14*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*250.96*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*264.91*	

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0063 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 00-0001 Dust Collector System *(23 35 13)*

23 35 13 00-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	3,000.85	799.29
23 35 13 00-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	3,397.46	949.15
23 35 13 00-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,056.05	1,099.02
23 35 13 00-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,654.67	1,298.84
23 35 13 00-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	8,957.07	1,447.27
23 35 13 00-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	10,826.54	1,688.48
23 35 13 00-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	12,398.75	1,929.69
23 35 13 00-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	13,971.40	2,219.14
23 35 13 00-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	15,609.53	2,508.59

23 35 13 00-0011 Vacuum Tubing And Accessories *(23 35 13)*

23 35 13 00-0012 Vacuum Tubing *(23 35 13 00-0011)*

23 35 13 00-0013 Galvanized Vacuum Tubing *(23 35 13 00-0012)*

23 35 13 00-0014	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	7.48	1.66
23 35 13 00-0015	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	8.33	1.75
23 35 13 00-0016	LF	3" Outside Diameter Vacuum Tubing, Galvanized	9.79	1.84
23 35 13 00-0017	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.53	1.93
23 35 13 00-0018	LF	4" Outside Diameter Vacuum Tubing, Galvanized	12.89	2.02
23 35 13 00-0019	LF	5" Outside Diameter Vacuum Tubing, Galvanized	20.86	2.30
23 35 13 00-0020	LF	6" Outside Diameter Vacuum Tubing, Galvanized	23.52	2.67
23 35 13 00-0021	LF	8" Outside Diameter Vacuum Tubing, Galvanized	31.89	3.68
23 35 13 00-0022	LF	10" Outside Diameter Vacuum Tubing, Galvanized	37.48	4.60
23 35 13 00-0023	LF	12" Outside Diameter Vacuum Tubing, Galvanized	90.87	6.08

23 35 13 00-0024 Flexible Hose *(23 35 13 00-0011)*

23 35 13 00-0025	LF	2" Flexible Hose	8.12	1.66
23 35 13 00-0026	LF	3" Flexible Hose	9.63	1.84
23 35 13 00-0027	LF	4" Flexible Hose	10.46	2.02

23 35 13 00-0028 90 Degree Elbow *(23 35 13 00-0011)*

23 35 13 00-0029	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	38.63	10.58
23 35 13 00-0030	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	46.97	11.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0031	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	57.65	12.32
23 35 13 00-0032	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	67.47	13.34
23 35 13 00-0033	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	79.79	14.72
23 35 13 00-0034	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	127.96	16.38
23 35 13 00-0035	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	168.23	18.40
23 35 13 00-0036	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	297.73	24.56
23 35 13 00-0037		45 Degree Elbow *(23 35 13 00-0011)*		
23 35 13 00-0038	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	36.52	10.58
23 35 13 00-0039	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	45.22	11.32
23 35 13 00-0040	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	51.80	12.32
23 35 13 00-0041	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	60.87	13.34
23 35 13 00-0042	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	73.69	14.72
23 35 13 00-0043	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	106.80	16.38
23 35 13 00-0044	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	137.10	18.40
23 35 13 00-0045	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	245.44	24.56
23 35 13 00-0046		Wye *(23 35 13 00-0011)*		
23 35 13 00-0047	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	69.32	17.48
23 35 13 00-0048	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	82.14	18.85
23 35 13 00-0049	EA	3" Wye, Vacuum Tubing, Galvanized	98.90	20.24
23 35 13 00-0050	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	118.88	22.54
23 35 13 00-0051	EA	4" Wye, Vacuum Tubing, Galvanized	155.77	24.38
23 35 13 00-0052	EA	5" Wye, Vacuum Tubing, Galvanized	256.00	27.13
23 35 13 00-0053	EA	6" Wye, Vacuum Tubing, Galvanized	336.42	30.82
23 35 13 00-0054	EA	8" Wye, Vacuum Tubing, Galvanized	650.87	33.58
23 35 13 00-0055	EA	10" Wye, Vacuum Tubing, Galvanized	896.48	36.80
23 35 13 00-0056	EA	12" Wye, Vacuum Tubing, Galvanized	1,129.94	41.21
23 35 13 00-0057		Reducer *(23 35 13 00-0011)*		
23 35 13 00-0058	EA	3" Reducer, Vacuum Tubing, Galvanized	40.59	12.32
23 35 13 00-0059	EA	4" Reducer, Vacuum Tubing, Galvanized	44.99	13.34
23 35 13 00-0060	EA	5" Reducer, Vacuum Tubing, Galvanized	55.74	14.72
23 35 13 00-0061	EA	6" Reducer, Vacuum Tubing, Galvanized	60.37	16.38
23 35 13 00-0062	EA	8" Reducer, Vacuum Tubing, Galvanized	70.26	18.40
23 35 13 00-0063		Air Gate Valve, Galvanized *(23 35 13 00-0011)*		
23 35 13 00-0064	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	250.54	24.56
23 35 13 00-0065	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	262.71	26.22
23 35 13 00-0066	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	300.99	28.24
23 35 13 00-0067	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	341.59	30.17
23 35 13 00-0068	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	384.35	32.01
23 35 13 00-0069	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	453.17	36.52
23 35 13 00-0070	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	521.20	40.94
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Tailpipe Exhaust Equipment *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	1,803.62	195.95
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,237.43	400.18
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,051.37	484.81
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,185.00	400.18
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,377.91	484.81
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,008.20	767.24
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,725.17	989.87
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,647.12	1,179.38
23 35 16 16-0014		Spiral Exhaust Duct Accessories *(23 35 16 16-0002)*		
23 35 16 16-0015		Flex Hose x Length *(23 35 16 16-0014)* Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	129.29	48.75
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	114.47	48.75
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	199.66	77.28
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	174.90	77.28

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	290.97	122.35
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	282.10	122.35
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	448.65	194.11
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	430.01	194.11
23 35 16 16-0024		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0014)*		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	141.10	48.75
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	208.29	77.28
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	124.04	48.75
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	182.97	77.28
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	932.25	65.69
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	850.42	120.51
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	930.67	120.51
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	46.03	9.39
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	50.96	9.39
23 35 16 16-0034		Flexible Hose *(23 35 16 16-0014)*		
23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	25.60	2.30
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	32.40	2.58
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	38.35	2.67
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	45.11	2.85
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	13.86	2.30
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	16.18	2.58
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	18.40	2.67
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	20.42	2.85
23 35 16 16-0043		Accessories *(23 35 16 16-0002)*		
23 35 16 16-0044	EA	3" Tail Pipe Adapter	38.29	6.90
23 35 16 16-0045	EA	4" Tail Pipe Adapter	39.27	6.90
23 35 16 16-0046	EA	5" Tail Pipe Adapter	42.08	7.82
23 35 16 16-0047	EA	3" Bullnose (Guide)	21.72	4.60
23 35 16 16-0048	EA	4" Bullnose (Guide)	23.18	5.06
23 35 16 16-0049	EA	5" Bullnose (Guide)	24.81	5.52
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	170.24	52.17
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.08	
23 35 16 16-0052		Automatic Exhaust Extraction System *(23 35 16 16-0001)*		
		Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053	EA	Magnatrack System For One Vehicle (30" To 40" Track)	22,262.85	
23 35 16 16-0054	EA	Magnatrack System For Two Vehicles (2 Each 30" Tracks)	32,157.45	
23 35 16 16-0055	EA	Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	32,157.45	
23 35 16 16-0056	EA	Magnarail System For One Vehicle (33" Rail)	26,385.60	
23 35 16 16-0057	EA	Magnarail System For Two Vehicles in Tandem (66" Rail)	39,578.40	
23 35 16 16-0058	EA	Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	20,613.75	
23 35 19		**Fume Exhaust** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,471.45	367.70
23 35 19 00-0002	EA	Hose Extension Kit 5'	295.50	81.69
23 36		Air Terminal Units *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,098.14	120.37
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	1,314.56	129.64
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	1,400.72	134.27
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	1,496.16	143.53
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	1,681.85	148.16
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	939.90	120.37
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,116.66	129.64
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,324.66	136.59
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	514.11	37.97
		For Boxes With Motor, Add	*20.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	567.54	40.97
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	595.83	44.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	609.30	46.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	628.67	51.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	717.22	57.95
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	762.22	64.94
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	829.74	77.93
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	897.07	89.92
		For Boxes With Motor, Add	*20.00*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	685.46	37.97
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	735.24	40.97
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	773.06	44.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	805.42	46.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	824.79	51.96
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	945.42	58.95
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,036.76	64.94
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,134.93	77.93
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,207.13	89.92
		For Boxes With Motor, Add	*20.00*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	448.31	45.96
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	502.04	51.96
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	559.25	57.95
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	598.12	64.94
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	823.59	139.77
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	1,002.62	165.85
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With pneumatic controls.

23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	915.92	45.96
		For Fan Powered Variable Air Volume Box, Add	*949.97*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	991.60	51.96
		For Fan Powered Variable Air Volume Box, Add	*1,017.69*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,040.37	57.95
		For Fan Powered Variable Air Volume Box, Add	*1,049.86*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,087.68	64.94
		For Fan Powered Variable Air Volume Box, Add	*1,079.96*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,267.57	139.77
		For Fan Powered Variable Air Volume Box, Add	*1,213.19*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	1,483.74	165.85
		For Fan Powered Variable Air Volume Box, Add	*1,318.40*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	1,498.33	45.96
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	1,560.51	51.96
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	1,617.71	57.95
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	1,697.09	64.94
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	1,878.68	139.77
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	1,912.44	139.77
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,034.17	90.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,131.86	103.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,213.13	116.79
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,330.91	130.29
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	1,496.98	149.87
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	1,647.62	179.84
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		**Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	417.51	62.45
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	454.24	68.68
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	491.77	74.93
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	530.19	81.18
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	569.56	87.42
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	609.92	93.67
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	654.14	99.91
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	696.93	106.16
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	740.97	112.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	786.34	118.64
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	833.16	124.89
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	881.47	131.13
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	931.43	137.38
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	979.37	143.62
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,032.68	149.87
		For Filters And Frames, Add	*6.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 37 Air Outlets And Inlets *(23 30)*

23 37 13 Diffusers, Registers, And Grilles *(23 37)*

23 37 13 00-0001 Wall And Floor Diffusers *(23 37 13)*

23 37 13 00-0002 Slot Type Linear Diffusers *(23 37 13 00-0001)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

23 37 13 00-0003	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	37.67	5.00
		For 3/4" Border, Add	*4.17*	
		For Floor Mounted Diffusers, Add	*5.01*	
		For Stainless Steel, Add	*21.70*	
23 37 13 00-0004	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	45.22	5.99
		For 3/4" Border, Add	*5.56*	
		For Floor Mounted Diffusers, Add	*6.68*	
		For Stainless Steel, Add	*28.93*	
23 37 13 00-0005	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	61.03	6.99
		For 3/4" Border, Add	*8.76*	
		For Floor Mounted Diffusers, Add	*10.51*	
		For Stainless Steel, Add	*45.55*	
23 37 13 00-0006	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	79.02	6.99
		For 3/4" Border, Add	*12.52*	
		For Floor Mounted Diffusers, Add	*15.02*	
		For Stainless Steel, Add	*65.08*	
23 37 13 00-0007	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	98.07	8.00
		For 3/4" Border, Add	*16.27*	
		For Floor Mounted Diffusers, Add	*19.52*	
		For Stainless Steel, Add	*84.59*	
23 37 13 00-0008	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	114.69	9.99
		For 3/4" Border, Add	*19.19*	
		For Floor Mounted Diffusers, Add	*23.03*	
		For Stainless Steel, Add	*99.78*	

23 37 13 00-0009 Linear Bar Grilles And Registers *(23 37 13 00-0001)*

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 00-0010	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	103.62	5.99
		For Floor Mount, Add	*8.07*	
		For Opposed Blade Damper, Add	*16.13*	
		For Stainless Steel, Add	*104.85*	
23 37 13 00-0011	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	123.32	6.99
		For Floor Mount, Add	*9.73*	
		For Opposed Blade Damper, Add	*19.47*	
		For Stainless Steel, Add	*126.53*	
23 37 13 00-0012	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	134.63	6.99
		For Floor Mount, Add	*10.57*	
		For Opposed Blade Damper, Add	*21.13*	
		For Stainless Steel, Add	*137.37*	
23 37 13 00-0013	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	165.86	9.99
		For Floor Mount, Add	*12.79*	
		For Opposed Blade Damper, Add	*25.58*	
		For Stainless Steel, Add	*166.30*	
23 37 13 00-0014	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	228.92	12.98
		For Floor Mount, Add	*17.80*	
		For Opposed Blade Damper, Add	*35.60*	
		For Stainless Steel, Add	*231.37*	
23 37 13 00-0015	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	265.03	14.99
		For Floor Mount, Add	*20.30*	
		For Opposed Blade Damper, Add	*40.60*	
		For Stainless Steel, Add	*263.91*	

23 37 13 00-0016 Ceiling Diffusers *(23 37 13)*

23 37 13 00-0017 Ceiling Diffusers With Perforated Face *(23 37 13 00-0016)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 00-0018	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	83.86	12.98
		For Steel Construction, Deduct	*-4.87*	
		For Surface Mount, Deduct	*-3.90*	
		For Diffuser Without Damper, Deduct	*-6.50*	
		For Stainless Steel, Add	*81.20*	
23 37 13 00-0019	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	91.08	12.98
		For Steel Construction, Deduct	*-5.96*	
		For Surface Mount, Deduct	*-4.76*	
		For Diffuser Without Damper, Deduct	*-7.94*	
		For Stainless Steel, Add	*99.25*	
23 37 13 00-0020	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	91.08	12.98
		For Steel Construction, Deduct	*-5.96*	
		For Surface Mount, Deduct	*-4.76*	
		For Diffuser Without Damper, Deduct	*-7.94*	
		For Stainless Steel, Add	*99.25*	
23 37 13 00-0021	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	109.54	15.98
		For Steel Construction, Deduct	*-7.13*	
		For Surface Mount, Deduct	*-5.70*	
		For Diffuser Without Damper, Deduct	*-9.50*	
		For Stainless Steel, Add	*118.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0022	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	109.54	14.99
		For Steel Construction, Deduct	*-7.13*	
		For Surface Mount, Deduct	*-5.70*	
		For Diffuser Without Damper, Deduct	*-9.50*	
		For Stainless Steel, Add	*118.80*	
23 37 13 00-0023	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	122.77	14.99
		For Steel Construction, Deduct	*-9.11*	
		For Surface Mount, Deduct	*-7.29*	
		For Diffuser Without Damper, Deduct	*-12.15*	
		For Stainless Steel, Add	*151.88*	
23 37 13 00-0024	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	143.18	19.98
		For Steel Construction, Deduct	*-9.80*	
		For Surface Mount, Deduct	*-7.84*	
		For Diffuser Without Damper, Deduct	*-13.06*	
		For Stainless Steel, Add	*163.30*	
23 37 13 00-0025	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	163.31	20.98
		For Steel Construction, Deduct	*-12.23*	
		For Surface Mount, Deduct	*-9.79*	
		For Diffuser Without Damper, Deduct	*-16.31*	
		For Stainless Steel, Add	*203.90*	
23 37 13 00-0026	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	185.87	23.98
		For Steel Construction, Deduct	*-13.61*	
		For Surface Mount, Deduct	*-10.89*	
		For Lay-In Mount, Deduct	*-10.89*	
		For Diffuser Without Damper, Deduct	*-18.14*	
		For Stainless Steel, Add	*226.78*	

23 37 13 00-0027 Ceiling Diffusers With Louver Face *(23 37 13 00-0016)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 00-0028	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	86.27	12.98
		For Steel Construction, Deduct	*-5.23*	
		For Flush Mount, Add	*5.23*	
		For Stainless Steel, Add	*87.23*	
23 37 13 00-0029	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	95.65	12.98
		For Steel Construction, Deduct	*-6.64*	
		For Flush Mount, Add	*6.64*	
		For Stainless Steel, Add	*110.68*	
23 37 13 00-0030	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	95.65	12.98
		For Steel Construction, Deduct	*-6.64*	
		For Flush Mount, Add	*6.64*	
		For Stainless Steel, Add	*110.68*	
23 37 13 00-0031	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	114.95	14.99
		For Steel Construction, Deduct	*-7.94*	
		For Flush Mount, Add	*7.94*	
		For Stainless Steel, Add	*132.33*	
23 37 13 00-0032	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	114.95	15.98
		For Steel Construction, Deduct	*-7.94*	
		For Flush Mount, Add	*7.94*	
		For Stainless Steel, Add	*132.33*	
23 37 13 00-0033	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	147.48	19.98
		For Steel Construction, Deduct	*-10.39*	
		For Flush Mount, Add	*10.39*	
		For Stainless Steel, Add	*173.23*	
23 37 13 00-0034	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	134.73	19.98
		For Steel Construction, Deduct	*-8.48*	
		For Flush Mount, Add	*8.48*	
		For Stainless Steel, Add	*141.35*	
23 37 13 00-0035	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	167.19	23.98
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*181.35*	
23 37 13 00-0036	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	190.03	26.97
		For Steel Construction, Deduct	*-13.53*	
		For Flush Mount, Add	*13.53*	
		For Stainless Steel, Add	*225.58*	
23 37 13 00-0037	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	206.48	52.85
		For Steel Construction, Deduct	*-15.10*	
		For Flush Mount, Add	*15.10*	
		For Lay-In Mount, Add	*20.14*	
		For Stainless Steel, Add	*251.73*	

23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 00-0016)*

Note: Aluminum construction.

23 37 13 00-0039	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	129.47	12.98
		For Steel Construction, Deduct	*-23.43*	
		For Stainless Steel, Add	*195.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0040	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	133.47	12.98
		For Steel Construction, Deduct	*-24.63*	
		For Stainless Steel, Add	*205.23*	
23 37 13 00-0041	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	152.12	15.98
		For Steel Construction, Deduct	*-27.03*	
		For Stainless Steel, Add	*225.25*	
23 37 13 00-0042	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	162.13	14.99
		For Steel Construction, Deduct	*-30.03*	
		For Stainless Steel, Add	*250.28*	
23 37 13 00-0043	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	226.10	17.98
		For Steel Construction, Deduct	*-46.25*	
		For Stainless Steel, Add	*385.43*	
23 37 13 00-0044	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	238.11	18.98
		For Steel Construction, Deduct	*-48.95*	
		For Stainless Steel, Add	*407.95*	
23 37 13 00-0045	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	250.38	19.98
		For Steel Construction, Deduct	*-51.66*	
		For Stainless Steel, Add	*430.48*	
23 37 13 00-0046	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	286.42	19.98
		For Steel Construction, Deduct	*-61.40*	
		For Stainless Steel, Add	*511.68*	
23 37 13 00-0047	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	339.09	22.98
		For Steel Construction, Deduct	*-74.75*	
		For Stainless Steel, Add	*622.93*	
23 37 13 00-0048	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	379.41	23.98
		For Steel Construction, Deduct	*-85.43*	
		For Stainless Steel, Add	*711.90*	
23 37 13 00-0049	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	450.62	26.97
		For Steel Construction, Deduct	*-103.45*	
		For Stainless Steel, Add	*862.08*	

23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 00-0016)*

Note: Aluminum construction.

23 37 13 00-0051	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	135.47	12.98
		For Steel Construction, Deduct	*-8.41*	
		For Flush Mount, Deduct	*-4.20*	
		For Stainless Steel, Add	*210.23*	
23 37 13 00-0052	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	145.82	12.98
		For Steel Construction, Deduct	*-9.44*	
		For Flush Mount, Deduct	*-4.72*	
		For Stainless Steel, Add	*236.10*	
23 37 13 00-0053	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	166.58	15.98
		For Steel Construction, Deduct	*-10.46*	
		For Flush Mount, Deduct	*-5.23*	
		For Stainless Steel, Add	*261.40*	
23 37 13 00-0054	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	178.15	15.98
		For Steel Construction, Deduct	*-11.61*	
		For Flush Mount, Deduct	*-5.81*	
		For Stainless Steel, Add	*290.33*	
23 37 13 00-0055	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	252.13	17.98
		For Steel Construction, Deduct	*-18.02*	
		For Flush Mount, Deduct	*-9.01*	
		For Stainless Steel, Add	*450.50*	
23 37 13 00-0056	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	200.04	18.98
		For Steel Construction, Deduct	*-19.26*	
		For Flush Mount, Deduct	*-9.63*	
		For Stainless Steel, Add	*481.38*	
23 37 13 00-0057	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	283.09	19.98
		For Steel Construction, Deduct	*-20.49*	
		For Flush Mount, Deduct	*-10.25*	
		For Stainless Steel, Add	*512.25*	
23 37 13 00-0058	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	325.36	20.98
		For Steel Construction, Deduct	*-24.36*	
		For Flush Mount, Deduct	*-12.18*	
		For Stainless Steel, Add	*609.03*	
23 37 13 00-0059	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	366.68	22.98
		For Steel Construction, Deduct	*-27.68*	
		For Flush Mount, Deduct	*-13.84*	
		For Stainless Steel, Add	*691.90*	
23 37 13 00-0060	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	439.48	23.98
		For Steel Construction, Deduct	*-34.48*	
		For Flush Mount, Deduct	*-17.24*	
		For Stainless Steel, Add	*862.08*	
23 37 13 00-0061	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	526.49	26.97
		For Steel Construction, Deduct	*-42.07*	
		For Flush Mount, Deduct	*-21.04*	
		For Stainless Steel, Add	*1,051.75*	
23 37 13 00-0062	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	581.60	56.25
		For Stainless Steel, Add	*1,173.00*	

23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 00-0016)*

23 37 13 00-0064	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	110.47	14.99
		For Stainless Steel, Add	*126.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0065	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	117.34	14.99
		For Stainless Steel, Add	*143.50*	
23 37 13 00-0066	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	125.79	14.99
		For Stainless Steel, Add	*164.63*	
23 37 13 00-0067	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	134.02	14.99
		For Stainless Steel, Add	*185.20*	

23 37 13 00-0068 Return/Exhaust Registers And Grilles *(23 37 13)*

23 37 13 00-0069 Return/Exhaust Registers With Frame *(23 37 13 00-0068)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 00-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	75.78	8.00
		For Steel Construction, Deduct	*-8.95*	
		For Grilles (No Damper), Deduct	*-17.91*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*4.48*	
		For Cube Core Lay In, Add	*8.95*	
		For Stainless Steel, Add	*111.93*	
23 37 13 00-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	85.52	8.00
		For Steel Construction, Deduct	*-10.90*	
		For Grilles (No Damper), Deduct	*-21.80*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*5.45*	
		For Cube Core Lay In, Add	*10.90*	
		For Stainless Steel, Add	*136.28*	
23 37 13 00-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	96.32	8.99
		For Steel Construction, Deduct	*-12.07*	
		For Grilles (No Damper), Deduct	*-24.14*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.04*	
		For Cube Core Lay In, Add	*12.07*	
		For Stainless Steel, Add	*150.88*	
23 37 13 00-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	102.17	9.99
		For Steel Construction, Deduct	*-12.07*	
		For Grilles (No Damper), Deduct	*-24.14*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.04*	
		For Cube Core Lay In, Add	*12.07*	
		For Stainless Steel, Add	*150.88*	
23 37 13 00-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	98.27	9.99
		For Steel Construction, Deduct	*-11.29*	
		For Grilles (No Damper), Deduct	*-22.58*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*5.65*	
		For Cube Core Lay In, Add	*11.29*	
		For Stainless Steel, Add	*141.13*	
23 37 13 00-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	125.35	12.98
		For Steel Construction, Deduct	*-14.79*	
		For Grilles (No Damper), Deduct	*-29.59*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*7.40*	
		For Cube Core Lay In, Add	*14.79*	
		For Stainless Steel, Add	*184.93*	
23 37 13 00-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	150.34	14.99
		For Steel Construction, Deduct	*-17.66*	
		For Grilles (No Damper), Deduct	*-35.33*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*8.83*	
		For Cube Core Lay In, Add	*17.66*	
		For Stainless Steel, Add	*220.80*	
23 37 13 00-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	182.88	17.98
		For Steel Construction, Deduct	*-22.19*	
		For Grilles (No Damper), Deduct	*-44.38*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.10*	
		For Cube Core Lay In, Add	*22.19*	
		For Stainless Steel, Add	*277.38*	
23 37 13 00-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	212.56	19.98
		For Steel Construction, Deduct	*-26.87*	
		For Grilles (No Damper), Deduct	*-53.75*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*13.44*	
		For Cube Core Lay In, Add	*26.87*	
		For Stainless Steel, Add	*335.93*	
23 37 13 00-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	194.14	19.98
		For Steel Construction, Deduct	*-22.48*	
		For Grilles (No Damper), Deduct	*-44.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.24*	
		For Cube Core Lay In, Add	*22.48*	
		For Stainless Steel, Add	*280.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	218.01	19.98
		For Steel Construction, Deduct	*-27.25*	
		For Grilles (No Damper), Deduct	*-54.50*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*13.63*	
		For Cube Core Lay In, Add	*27.25*	
		For Stainless Steel, Add	*340.65*	
23 37 13 00-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	231.15	22.98
		For Steel Construction, Deduct	*-28.25*	
		For Grilles (No Damper), Deduct	*-56.49*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*14.12*	
		For Cube Core Lay In, Add	*28.25*	
		For Stainless Steel, Add	*353.08*	
23 37 13 00-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	244.74	23.98
		For Steel Construction, Deduct	*-30.02*	
		For Grilles (No Damper), Deduct	*-60.04*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.01*	
		For Cube Core Lay In, Add	*30.02*	
		For Stainless Steel, Add	*375.23*	
23 37 13 00-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	280.98	26.97
		For Steel Construction, Deduct	*-35.04*	
		For Grilles (No Damper), Deduct	*-70.08*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*17.52*	
		For Cube Core Lay In, Add	*35.04*	
		For Stainless Steel, Add	*437.98*	
23 37 13 00-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	318.05	31.97
		For Steel Construction, Deduct	*-37.92*	
		For Grilles (No Damper), Deduct	*-75.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.96*	
		For Cube Core Lay In, Add	*37.92*	
		For Stainless Steel, Add	*473.98*	
23 37 13 00-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	400.48	31.97
		For Steel Construction, Deduct	*-54.40*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.20*	
		For Cube Core Lay In, Add	*54.40*	
		For Stainless Steel, Add	*680.05*	
23 37 13 00-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	343.14	34.97
		For Steel Construction, Deduct	*-40.96*	
		For Grilles (No Damper), Deduct	*-81.92*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*20.48*	
		For Cube Core Lay In, Add	*40.96*	
		For Stainless Steel, Add	*512.03*	
23 37 13 00-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	335.31	33.97
		For Steel Construction, Deduct	*-39.40*	
		For Grilles (No Damper), Deduct	*-78.79*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*19.70*	
		For Cube Core Lay In, Add	*39.40*	
		For Stainless Steel, Add	*492.45*	
23 37 13 00-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	379.27	37.97
		For Steel Construction, Deduct	*-45.88*	
		For Grilles (No Damper), Deduct	*-91.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*22.94*	
		For Cube Core Lay In, Add	*45.88*	
		For Stainless Steel, Add	*573.50*	
23 37 13 00-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	501.11	40.97
		For Steel Construction, Deduct	*-67.52*	
		For Grilles (No Damper), Deduct	*-135.05*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*33.76*	
		For Cube Core Lay In, Add	*67.52*	
		For Stainless Steel, Add	*844.05*	
23 37 13 00-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	228.81	23.08
		For Steel Construction, Deduct	*-27.32*	
		For Grilles (No Damper), Deduct	*-54.64*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*13.66*	
		For Cube Core Lay In, Add	*27.32*	
		For Stainless Steel, Add	*341.50*	
23 37 13 00-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	413.02	40.86
		For Steel Construction, Deduct	*-49.91*	
		For Grilles (No Damper), Deduct	*-99.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*24.95*	
		For Cube Core Lay In, Add	*49.91*	
		For Stainless Steel, Add	*623.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	436.20	39.96
		For Steel Construction, Deduct	*-57.27*	
		For Grilles (No Damper), Deduct	*-114.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.63*	
		For Cube Core Lay In, Add	*57.27*	
		For Stainless Steel, Add	*715.83*	
23 37 13 00-0093		Return/Exhaust Registers Removable-Reversible *(23 37 13 00-0068)*		
		Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	70.72	8.00
		For Steel Construction, Deduct	*-3.97*	
		For Flat Frame, Deduct	*-0.40*	
		For Grilles (No Damper), Deduct	*-7.94*	
		For Stainless Steel, Add	*99.28*	
23 37 13 00-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	70.72	8.00
		For Steel Construction, Deduct	*-3.97*	
		For Flat Frame, Deduct	*-0.40*	
		For Grilles (No Damper), Deduct	*-7.94*	
		For Stainless Steel, Add	*99.28*	
23 37 13 00-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	86.19	8.99
		For Steel Construction, Deduct	*-5.02*	
		For Flat Frame, Deduct	*-0.50*	
		For Grilles (No Damper), Deduct	*-10.04*	
		For Stainless Steel, Add	*125.55*	
23 37 13 00-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	99.05	10.99
		For Steel Construction, Deduct	*-5.72*	
		For Flat Frame, Deduct	*-0.57*	
		For Grilles (No Damper), Deduct	*-11.45*	
		For Stainless Steel, Add	*143.08*	
23 37 13 00-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	97.88	9.99
		For Steel Construction, Deduct	*-5.61*	
		For Flat Frame, Deduct	*-0.56*	
		For Grilles (No Damper), Deduct	*-11.21*	
		For Stainless Steel, Add	*140.15*	
23 37 13 00-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	126.13	12.98
		For Steel Construction, Deduct	*-7.48*	
		For Flat Frame, Deduct	*-0.75*	
		For Grilles (No Damper), Deduct	*-14.95*	
		For Stainless Steel, Add	*186.88*	
23 37 13 00-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	197.12	15.98
		For Steel Construction, Deduct	*-13.51*	
		For Flat Frame, Deduct	*-1.35*	
		For Grilles (No Damper), Deduct	*-27.02*	
		For Stainless Steel, Add	*337.75*	
23 37 13 00-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	236.62	17.98
		For Steel Construction, Deduct	*-16.47*	
		For Flat Frame, Deduct	*-1.65*	
		For Grilles (No Damper), Deduct	*-32.94*	
		For Stainless Steel, Add	*411.73*	
23 37 13 00-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	266.24	19.98
		For Steel Construction, Deduct	*-18.81*	
		For Flat Frame, Deduct	*-1.88*	
		For Grilles (No Damper), Deduct	*-37.61*	
		For Stainless Steel, Add	*470.13*	
23 37 13 00-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	226.58	19.98
		For Steel Construction, Deduct	*-14.48*	
		For Flat Frame, Deduct	*-1.45*	
		For Grilles (No Damper), Deduct	*-28.97*	
		For Stainless Steel, Add	*362.08*	
23 37 13 00-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	296.66	20.98
		For Steel Construction, Deduct	*-21.49*	
		For Flat Frame, Deduct	*-2.15*	
		For Grilles (No Damper), Deduct	*-42.98*	
		For Stainless Steel, Add	*537.28*	
23 37 13 00-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	344.54	22.98
		For Steel Construction, Deduct	*-25.46*	
		For Flat Frame, Deduct	*-2.55*	
		For Grilles (No Damper), Deduct	*-50.92*	
		For Stainless Steel, Add	*636.55*	
23 37 13 00-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	272.18	23.98
		For Steel Construction, Deduct	*-17.75*	
		For Flat Frame, Deduct	*-1.78*	
		For Grilles (No Damper), Deduct	*-35.51*	
		For Stainless Steel, Add	*443.83*	
23 37 13 00-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	367.42	26.97
		For Steel Construction, Deduct	*-26.16*	
		For Flat Frame, Deduct	*-2.62*	
		For Grilles (No Damper), Deduct	*-52.33*	
		For Stainless Steel, Add	*654.08*	
23 37 13 00-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	442.65	31.97
		For Steel Construction, Deduct	*-31.42*	
		For Flat Frame, Deduct	*-3.14*	
		For Grilles (No Damper), Deduct	*-62.84*	
		For Stainless Steel, Add	*785.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	501.63	31.97
		For Steel Construction, Deduct	*-37.32*	
		For Flat Frame, Deduct	*-3.73*	
		For Grilles (No Damper), Deduct	*-74.63*	
		For Stainless Steel, Add	*932.93*	
23 37 13 00-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	356.74	33.97
		For Steel Construction, Deduct	*-21.84*	
		For Flat Frame, Deduct	*-2.18*	
		For Grilles (No Damper), Deduct	*-43.68*	
		For Stainless Steel, Add	*546.03*	
23 37 13 00-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	468.87	33.97
		For Steel Construction, Deduct	*-33.05*	
		For Flat Frame, Deduct	*-3.31*	
		For Grilles (No Damper), Deduct	*-66.11*	
		For Stainless Steel, Add	*826.35*	
23 37 13 00-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	539.98	37.97
		For Steel Construction, Deduct	*-39.01*	
		For Flat Frame, Deduct	*-3.90*	
		For Grilles (No Damper), Deduct	*-78.02*	
		For Stainless Steel, Add	*975.28*	
23 37 13 00-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	627.76	40.97
		For Steel Construction, Deduct	*-46.43*	
		For Flat Frame, Deduct	*-4.64*	
		For Grilles (No Damper), Deduct	*-92.85*	
		For Stainless Steel, Add	*1,160.68*	
23 37 13 00-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	660.47	40.97
		For Steel Construction, Deduct	*-49.70*	
		For Flat Frame, Deduct	*-4.97*	
		For Grilles (No Damper), Deduct	*-99.40*	
		For Stainless Steel, Add	*1,242.45*	

23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 00-0068)*

23 37 13 00-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	42.16	9.75
23 37 13 00-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	42.16	9.75
23 37 13 00-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	45.06	9.75
23 37 13 00-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	46.21	9.75
23 37 13 00-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	45.06	9.75
23 37 13 00-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	46.21	9.75
23 37 13 00-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	56.56	12.79
23 37 13 00-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	57.72	12.79
23 37 13 00-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	55.40	12.79
23 37 13 00-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	57.72	12.79
23 37 13 00-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	58.87	12.79
23 37 13 00-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.03	12.79
23 37 13 00-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	58.30	12.79
23 37 13 00-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.61	12.79
23 37 13 00-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	61.77	12.79
23 37 13 00-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.97	12.79
23 37 13 00-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.61	12.79
23 37 13 00-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.66	12.79
23 37 13 00-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.97	12.79
23 37 13 00-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.26	18.85
23 37 13 00-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.42	18.85
23 37 13 00-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.11	18.85
23 37 13 00-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	105.57	21.89
23 37 13 00-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.95	18.85
23 37 13 00-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	111.36	21.89
23 37 13 00-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	59.45	12.79
23 37 13 00-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.11	18.85
23 37 13 00-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	125.18	24.93
23 37 13 00-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.95	18.85
23 37 13 00-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.26	18.85
23 37 13 00-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.10	21.89
		For Lay-In Installation, Deduct	*-46.23*	
23 37 13 00-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	105.57	21.89
23 37 13 00-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	118.24	24.93
23 37 13 00-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	121.71	24.93
23 37 13 00-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	125.76	24.93
23 37 13 00-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	133.28	24.93
		For Lay-In Installation, Deduct	*-52.93*	
23 37 13 00-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	103.84	21.89
23 37 13 00-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	160.88	27.33
23 37 13 00-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	263.14	33.39
		For Lay-In Installation, Deduct	*-76.18*	

23 37 13 00-0155 Supply Registers and Grilles *(23 37 13)*

23 37 13 00-0156 Adjustable Curved Blade Register *(23 37 13 00-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	65.00	8.00
		For Steel Construction, Deduct	*-5.11*	
		For Lay In Frame, Deduct	*-8.51*	
		For Three Way Pattern, Deduct	*-3.40*	
		For Two Way Pattern, Deduct	*-2.72*	
		For One Way Pattern, Deduct	*-2.72*	
		For Grille (No Damper), Deduct	*-5.11*	
		For Stainless Steel, Add	*85.10*	
23 37 13 00-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	67.00	8.00
		For Steel Construction, Deduct	*-5.41*	
		For Lay In Frame, Deduct	*-9.01*	
		For Three Way Pattern, Deduct	*-3.60*	
		For Two Way Pattern, Deduct	*-2.88*	
		For One Way Pattern, Deduct	*-2.88*	
		For Grille (No Damper), Deduct	*-5.41*	
		For Stainless Steel, Add	*90.10*	
23 37 13 00-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	75.96	10.99
		For Steel Construction, Deduct	*-5.11*	
		For Lay In Frame, Deduct	*-8.51*	
		For Three Way Pattern, Deduct	*-3.40*	
		For Two Way Pattern, Deduct	*-2.72*	
		For One Way Pattern, Deduct	*-2.72*	
		For Grille (No Damper), Deduct	*-5.11*	
		For Stainless Steel, Add	*85.10*	
23 37 13 00-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	83.30	9.99
		For Steel Construction, Deduct	*-6.21*	
		For Lay In Frame, Deduct	*-10.35*	
		For Three Way Pattern, Deduct	*-4.14*	
		For Two Way Pattern, Deduct	*-3.31*	
		For One Way Pattern, Deduct	*-3.31*	
		For Grille (No Damper), Deduct	*-6.21*	
		For Stainless Steel, Add	*103.45*	
23 37 13 00-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	100.33	12.98
		For Steel Construction, Deduct	*-7.41*	
		For Lay In Frame, Deduct	*-12.35*	
		For Three Way Pattern, Deduct	*-4.94*	
		For Two Way Pattern, Deduct	*-3.95*	
		For One Way Pattern, Deduct	*-3.95*	
		For Grille (No Damper), Deduct	*-7.41*	
		For Stainless Steel, Add	*123.48*	
23 37 13 00-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	123.42	14.99
		For Steel Construction, Deduct	*-9.21*	
		For Lay In Frame, Deduct	*-15.35*	
		For Three Way Pattern, Deduct	*-6.14*	
		For Two Way Pattern, Deduct	*-4.91*	
		For One Way Pattern, Deduct	*-4.91*	
		For Grille (No Damper), Deduct	*-9.21*	
		For Stainless Steel, Add	*153.50*	
23 37 13 00-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	123.42	14.99
		For Steel Construction, Deduct	*-9.21*	
		For Lay In Frame, Deduct	*-15.35*	
		For Three Way Pattern, Deduct	*-6.14*	
		For Two Way Pattern, Deduct	*-4.91*	
		For One Way Pattern, Deduct	*-4.91*	
		For Grille (No Damper), Deduct	*-9.21*	
		For Stainless Steel, Add	*153.50*	
23 37 13 00-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	152.61	19.98
		For Steel Construction, Deduct	*-11.21*	
		For Lay In Frame, Deduct	*-18.69*	
		For Three Way Pattern, Deduct	*-7.48*	
		For Two Way Pattern, Deduct	*-5.98*	
		For One Way Pattern, Deduct	*-5.98*	
		For Grille (No Damper), Deduct	*-11.21*	
		For Stainless Steel, Add	*186.88*	
23 37 13 00-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	194.54	20.98
		For Steel Construction, Deduct	*-16.92*	
		For Lay In Frame, Deduct	*-28.20*	
		For Three Way Pattern, Deduct	*-11.28*	
		For Two Way Pattern, Deduct	*-9.02*	
		For One Way Pattern, Deduct	*-9.02*	
		For Grille (No Damper), Deduct	*-16.92*	
		For Stainless Steel, Add	*281.98*	
23 37 13 00-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	301.32	42.36
		For Steel Construction, Deduct	*-32.49*	
		For Lay In Frame, Deduct	*-54.15*	
		For Three Way Pattern, Deduct	*-21.66*	
		For Two Way Pattern, Deduct	*-17.33*	
		For One Way Pattern, Deduct	*-17.33*	
		For Grille (No Damper), Deduct	*-32.49*	
		For Stainless Steel, Add	*541.45*	

23 37 13 00-0167 Removable-Reversible Core Registers *(23 37 13 00-0155)*
Note: Double deflection radiused frame aluminum construction.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	73.67	8.00
		For Steel Construction, Deduct	*-4.27*	
		For Flat Frame, Deduct	*-4.27*	
		For Grille (No Damper), Deduct	*-12.81*	
		For Stainless Steel, Add	*106.78*	
23 37 13 00-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	91.03	8.00
		For Steel Construction, Deduct	*-6.01*	
		For Flat Frame, Deduct	*-6.01*	
		For Grille (No Damper), Deduct	*-18.02*	
		For Stainless Steel, Add	*150.18*	
23 37 13 00-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	116.67	10.99
		For Steel Construction, Deduct	*-7.48*	
		For Flat Frame, Deduct	*-7.48*	
		For Grille (No Damper), Deduct	*-22.43*	
		For Stainless Steel, Add	*186.88*	
23 37 13 00-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	118.01	10.99
		For Steel Construction, Deduct	*-7.61*	
		For Flat Frame, Deduct	*-7.61*	
		For Grille (No Damper), Deduct	*-22.83*	
		For Stainless Steel, Add	*190.23*	
23 37 13 00-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	149.72	12.98
		For Steel Construction, Deduct	*-9.88*	
		For Flat Frame, Deduct	*-9.88*	
		For Grille (No Damper), Deduct	*-29.63*	
		For Stainless Steel, Add	*246.95*	
23 37 13 00-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	210.19	15.98
		For Steel Construction, Deduct	*-14.82*	
		For Flat Frame, Deduct	*-14.82*	
		For Grille (No Damper), Deduct	*-44.45*	
		For Stainless Steel, Add	*370.43*	
23 37 13 00-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	234.21	14.99
		For Steel Construction, Deduct	*-17.22*	
		For Flat Frame, Deduct	*-17.22*	
		For Grille (No Damper), Deduct	*-51.66*	
		For Stainless Steel, Add	*430.48*	
23 37 13 00-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	283.42	19.98
		For Steel Construction, Deduct	*-20.56*	
		For Flat Frame, Deduct	*-20.56*	
		For Grille (No Damper), Deduct	*-61.67*	
		For Stainless Steel, Add	*513.90*	
23 37 13 00-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	352.72	19.98
		For Steel Construction, Deduct	*-27.10*	
		For Flat Frame, Deduct	*-27.10*	
		For Grille (No Damper), Deduct	*-81.29*	
		For Stainless Steel, Add	*677.43*	

23 37 13 00-0177 Adjustable Shutter Blade Registers *(23 37 13 00-0155)*

Note: Double deflection flat frame aluminum construction.

23 37 13 00-0178	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	108.83	8.00
		For Steel Construction, Deduct	*-7.79*	
		For Single Deflection, Deduct	*-15.57*	
		For Grille (No Damper), Deduct	*-11.68*	
		For Stainless Steel, Add	*194.68*	
23 37 13 00-0179	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	124.40	8.00
		For Steel Construction, Deduct	*-9.34*	
		For Single Deflection, Deduct	*-18.69*	
		For Grille (No Damper), Deduct	*-14.02*	
		For Stainless Steel, Add	*233.60*	
23 37 13 00-0180	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	135.36	10.99
		For Steel Construction, Deduct	*-9.34*	
		For Single Deflection, Deduct	*-18.69*	
		For Grille (No Damper), Deduct	*-14.02*	
		For Stainless Steel, Add	*233.60*	
23 37 13 00-0181	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	139.81	9.99
		For Steel Construction, Deduct	*-9.79*	
		For Single Deflection, Deduct	*-19.58*	
		For Grille (No Damper), Deduct	*-14.68*	
		For Stainless Steel, Add	*244.73*	
23 37 13 00-0182	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	171.08	12.98
		For Steel Construction, Deduct	*-12.01*	
		For Single Deflection, Deduct	*-24.03*	
		For Grille (No Damper), Deduct	*-18.02*	
		For Stainless Steel, Add	*300.35*	
23 37 13 00-0183	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	226.65	14.99
		For Steel Construction, Deduct	*-16.46*	
		For Single Deflection, Deduct	*-32.93*	
		For Grille (No Damper), Deduct	*-24.69*	
		For Stainless Steel, Add	*411.58*	
23 37 13 00-0184	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	264.47	15.98
		For Steel Construction, Deduct	*-20.25*	
		For Single Deflection, Deduct	*-40.49*	
		For Grille (No Damper), Deduct	*-30.37*	
		For Stainless Steel, Add	*506.13*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0185	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	327.03	19.98
		For Steel Construction, Deduct	*-24.92*	
		For Single Deflection, Deduct	*-49.83*	
		For Grille (No Damper), Deduct	*-37.38*	
		For Stainless Steel, Add	*622.93*	
23 37 13 00-0186	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	444.38	20.98
		For Steel Construction, Deduct	*-36.26*	
		For Single Deflection, Deduct	*-72.53*	
		For Grille (No Damper), Deduct	*-54.39*	
		For Stainless Steel, Add	*906.58*	

23 37 13 00-0187 Air Conditioning And Ventilation *(23 37 13 00-0155)*

23 37 13 00-0188	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	67.67	20.98
		For Stainless Steel, Add	*64.38*	
23 37 13 00-0189	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	113.94	31.22
		For Stainless Steel, Add	*128.73*	
23 37 13 00-0190	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	173.24	43.71
		For Stainless Steel, Add	*214.55*	
23 37 13 00-0191	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	403.11	59.94
		For Stainless Steel, Add	*708.05*	

23 37 13 00-0192 Security Supply Or Return Grille *(23 37 13 00-0155)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 00-0193	EA	8" x 4" Steel Security Grille	155.02	14.99
		For Anchoring Tabs, Add	*12.51*	
		For Angle Iron Frame, Add	*21.75*	
		For Rear Operated Opposed Blade Damper, Add	*46.76*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*31.26*	
		For Stainless Steel, Add	*162.57*	
23 37 13 00-0194	EA	8" x 6" Steel Security Grille	171.19	15.48
		For Anchoring Tabs, Add	*14.02*	
		For Angle Iron Frame, Add	*24.13*	
		For Rear Operated Opposed Blade Damper, Add	*52.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*35.05*	
		For Stainless Steel, Add	*182.27*	
23 37 13 00-0195	EA	8" x 8" Steel Security Grille	196.02	17.49
		For Anchoring Tabs, Add	*16.11*	
		For Angle Iron Frame, Add	*27.65*	
		For Rear Operated Opposed Blade Damper, Add	*59.86*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*40.26*	
		For Stainless Steel, Add	*209.37*	
23 37 13 00-0196	EA	10" x 4" Steel Security Grille	172.30	16.98
		For Anchoring Tabs, Add	*13.83*	
		For Angle Iron Frame, Add	*24.15*	
		For Rear Operated Opposed Blade Damper, Add	*51.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*34.58*	
		For Stainless Steel, Add	*179.82*	
23 37 13 00-0197	EA	10" x 6" Steel Security Grille	183.77	17.99
		For Anchoring Tabs, Add	*14.78*	
		For Angle Iron Frame, Add	*25.77*	
		For Rear Operated Opposed Blade Damper, Add	*55.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*36.95*	
		For Stainless Steel, Add	*192.13*	
23 37 13 00-0198	EA	10" x 8" Steel Security Grille	209.50	19.49
		For Anchoring Tabs, Add	*17.05*	
		For Angle Iron Frame, Add	*29.48*	
		For Rear Operated Opposed Blade Damper, Add	*63.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*42.63*	
		For Stainless Steel, Add	*221.69*	
23 37 13 00-0199	EA	10" x 10" Steel Security Grille	233.34	20.99
		For Anchoring Tabs, Add	*19.14*	
		For Angle Iron Frame, Add	*32.90*	
		For Rear Operated Opposed Blade Damper, Add	*71.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*47.84*	
		For Stainless Steel, Add	*248.78*	
23 37 13 00-0200	EA	12" x 4" Steel Security Grille	181.97	18.98
		For Anchoring Tabs, Add	*14.40*	
		For Angle Iron Frame, Add	*25.40*	
		For Rear Operated Opposed Blade Damper, Add	*54.20*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*36.00*	
		For Stainless Steel, Add	*187.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0201	EA	12" x 6" Steel Security Grille	203.02	20.99
		For Anchoring Tabs, Add	*16.11*	
		For Angle Iron Frame, Add	*28.35*	
		For Rear Operated Opposed Blade Damper, Add	*60.56*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*40.26*	
		For Stainless Steel, Add	*209.37*	
23 37 13 00-0202	EA	12" x 8" Steel Security Grille	230.66	22.48
		For Anchoring Tabs, Add	*18.57*	
		For Angle Iron Frame, Add	*32.35*	
		For Rear Operated Opposed Blade Damper, Add	*69.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*46.42*	
		For Stainless Steel, Add	*241.40*	
23 37 13 00-0203	EA	12" x 10" Steel Security Grille	250.70	23.98
		For Anchoring Tabs, Add	*20.27*	
		For Angle Iron Frame, Add	*35.21*	
		For Rear Operated Opposed Blade Damper, Add	*75.76*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*50.69*	
		For Stainless Steel, Add	*263.56*	
23 37 13 00-0204	EA	12" x 12" Steel Security Grille	276.44	25.48
		For Anchoring Tabs, Add	*22.55*	
		For Angle Iron Frame, Add	*38.92*	
		For Rear Operated Opposed Blade Damper, Add	*84.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*56.37*	
		For Stainless Steel, Add	*293.12*	
23 37 13 00-0205	EA	14" x 4" Steel Security Grille	194.43	20.48
		For Anchoring Tabs, Add	*15.35*	
		For Angle Iron Frame, Add	*27.12*	
		For Rear Operated Opposed Blade Damper, Add	*57.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*38.37*	
		For Stainless Steel, Add	*199.51*	
23 37 13 00-0206	EA	14" x 6" Steel Security Grille	218.29	21.98
		For Anchoring Tabs, Add	*17.43*	
		For Angle Iron Frame, Add	*30.55*	
		For Rear Operated Opposed Blade Damper, Add	*65.41*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*43.58*	
		For Stainless Steel, Add	*226.62*	
23 37 13 00-0207	EA	14" x 8" Steel Security Grille	243.12	23.98
		For Anchoring Tabs, Add	*19.52*	
		For Angle Iron Frame, Add	*34.07*	
		For Rear Operated Opposed Blade Damper, Add	*73.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*48.79*	
		For Stainless Steel, Add	*253.71*	
23 37 13 00-0208	EA	14" x 10" Steel Security Grille	273.66	25.98
		For Anchoring Tabs, Add	*22.17*	
		For Angle Iron Frame, Add	*38.45*	
		For Rear Operated Opposed Blade Damper, Add	*82.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*55.42*	
		For Stainless Steel, Add	*288.20*	
23 37 13 00-0209	EA	14" x 12" Steel Security Grille	301.37	28.48
		For Anchoring Tabs, Add	*24.44*	
		For Angle Iron Frame, Add	*42.36*	
		For Rear Operated Opposed Blade Damper, Add	*91.24*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*61.11*	
		For Stainless Steel, Add	*317.75*	
23 37 13 00-0210	EA	14" x 14" Steel Security Grille	324.32	30.48
		For Anchoring Tabs, Add	*26.34*	
		For Angle Iron Frame, Add	*45.60*	
		For Rear Operated Opposed Blade Damper, Add	*98.27*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.84*	
		For Stainless Steel, Add	*342.38*	
23 37 13 00-0211	EA	16" x 6" Steel Security Grille	233.65	23.98
		For Anchoring Tabs, Add	*18.57*	
		For Angle Iron Frame, Add	*32.65*	
		For Rear Operated Opposed Blade Damper, Add	*69.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*46.42*	
		For Stainless Steel, Add	*241.40*	
23 37 13 00-0212	EA	16" x 8" Steel Security Grille	266.08	25.98
		For Anchoring Tabs, Add	*21.41*	
		For Angle Iron Frame, Add	*37.31*	
		For Rear Operated Opposed Blade Damper, Add	*80.14*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*53.53*	
		For Stainless Steel, Add	*278.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0213	EA	16" x 10" Steel Security Grille	287.12	27.98
		For Anchoring Tabs, Add	*23.12*	
		For Angle Iron Frame, Add	*40.27*	
		For Rear Operated Opposed Blade Damper, Add	*86.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*57.79*	
		For Stainless Steel, Add	*300.51*	
23 37 13 00-0214	EA	16" x 12" Steel Security Grille	322.32	29.48
		For Anchoring Tabs, Add	*26.34*	
		For Angle Iron Frame, Add	*45.40*	
		For Rear Operated Opposed Blade Damper, Add	*98.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.84*	
		For Stainless Steel, Add	*342.38*	
23 37 13 00-0215	EA	16" x 14" Steel Security Grille	341.48	31.48
		For Anchoring Tabs, Add	*27.85*	
		For Angle Iron Frame, Add	*48.07*	
		For Rear Operated Opposed Blade Damper, Add	*103.78*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*69.63*	
		For Stainless Steel, Add	*362.09*	
23 37 13 00-0216	EA	16" x 16" Steel Security Grille	370.11	33.47
		For Anchoring Tabs, Add	*30.32*	
		For Angle Iron Frame, Add	*52.17*	
		For Rear Operated Opposed Blade Damper, Add	*112.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.79*	
		For Stainless Steel, Add	*394.11*	
23 37 13 00-0217	EA	18" x 6" Steel Security Grille	249.12	26.98
		For Anchoring Tabs, Add	*19.52*	
		For Angle Iron Frame, Add	*34.67*	
		For Rear Operated Opposed Blade Damper, Add	*73.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*48.79*	
		For Stainless Steel, Add	*253.71*	
23 37 13 00-0218	EA	18" x 8" Steel Security Grille	283.44	28.98
		For Anchoring Tabs, Add	*22.55*	
		For Angle Iron Frame, Add	*39.62*	
		For Rear Operated Opposed Blade Damper, Add	*84.71*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*56.37*	
		For Stainless Steel, Add	*293.12*	
23 37 13 00-0219	EA	18" x 10" Steel Security Grille	310.16	30.98
		For Anchoring Tabs, Add	*24.82*	
		For Angle Iron Frame, Add	*43.43*	
		For Rear Operated Opposed Blade Damper, Add	*93.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*62.05*	
		For Stainless Steel, Add	*322.67*	
23 37 13 00-0220	EA	18" x 12" Steel Security Grille	340.69	32.98
		For Anchoring Tabs, Add	*27.47*	
		For Angle Iron Frame, Add	*47.81*	
		For Rear Operated Opposed Blade Damper, Add	*102.75*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*68.69*	
		For Stainless Steel, Add	*357.16*	
23 37 13 00-0221	EA	18" x 14" Steel Security Grille	362.44	32.48
		For Anchoring Tabs, Add	*29.75*	
		For Angle Iron Frame, Add	*51.12*	
		For Rear Operated Opposed Blade Damper, Add	*110.61*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*74.37*	
		For Stainless Steel, Add	*386.72*	
23 37 13 00-0222	EA	18" x 16" Steel Security Grille	395.74	33.98
		For Anchoring Tabs, Add	*32.78*	
		For Angle Iron Frame, Add	*55.96*	
		For Rear Operated Opposed Blade Damper, Add	*121.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*81.95*	
		For Stainless Steel, Add	*426.13*	
23 37 13 00-0223	EA	18" x 18" Steel Security Grille	423.37	35.47
		For Anchoring Tabs, Add	*35.24*	
		For Angle Iron Frame, Add	*59.96*	
		For Rear Operated Opposed Blade Damper, Add	*130.44*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*88.11*	
		For Stainless Steel, Add	*458.15*	
23 37 13 00-0224	EA	20" x 6" Steel Security Grille	267.37	29.48
		For Anchoring Tabs, Add	*20.84*	
		For Angle Iron Frame, Add	*37.16*	
		For Rear Operated Opposed Blade Damper, Add	*78.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*52.11*	
		For Stainless Steel, Add	*270.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0225	EA	20" x 8" Steel Security Grille	301.80	32.48
		For Anchoring Tabs, Add	*23.68*	
		For Angle Iron Frame, Add	*42.02*	
		For Rear Operated Opposed Blade Damper, Add	*89.39*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*59.21*	
		For Stainless Steel, Add	*307.89*	
23 37 13 00-0226	EA	20" x 10" Steel Security Grille	331.32	33.98
		For Anchoring Tabs, Add	*26.34*	
		For Angle Iron Frame, Add	*46.30*	
		For Rear Operated Opposed Blade Damper, Add	*98.97*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.84*	
		For Stainless Steel, Add	*342.38*	
23 37 13 00-0227	EA	20" x 12" Steel Security Grille	363.73	35.98
		For Anchoring Tabs, Add	*29.18*	
		For Angle Iron Frame, Add	*50.96*	
		For Rear Operated Opposed Blade Damper, Add	*109.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*72.95*	
		For Stainless Steel, Add	*379.33*	
23 37 13 00-0228	EA	20" x 14" Steel Security Grille	398.94	37.48
		For Anchoring Tabs, Add	*32.40*	
		For Angle Iron Frame, Add	*56.09*	
		For Rear Operated Opposed Blade Damper, Add	*120.89*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*81.00*	
		For Stainless Steel, Add	*421.20*	
23 37 13 00-0229	EA	20" x 16" Steel Security Grille	430.36	38.97
		For Anchoring Tabs, Add	*35.24*	
		For Angle Iron Frame, Add	*60.66*	
		For Rear Operated Opposed Blade Damper, Add	*131.14*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*88.11*	
		For Stainless Steel, Add	*458.15*	
23 37 13 00-0230	EA	20" x 18" Steel Security Grille	459.88	40.47
		For Anchoring Tabs, Add	*37.90*	
		For Angle Iron Frame, Add	*64.94*	
		For Rear Operated Opposed Blade Damper, Add	*140.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*94.74*	
		For Stainless Steel, Add	*492.64*	
23 37 13 00-0231	EA	20" x 20" Steel Security Grille	495.09	41.97
		For Anchoring Tabs, Add	*41.12*	
		For Angle Iron Frame, Add	*70.07*	
		For Rear Operated Opposed Blade Damper, Add	*152.30*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*102.79*	
		For Stainless Steel, Add	*534.51*	
23 37 13 00-0232	EA	24" x 6" Steel Security Grille	297.11	32.98
		For Anchoring Tabs, Add	*23.12*	
		For Angle Iron Frame, Add	*41.27*	
		For Rear Operated Opposed Blade Damper, Add	*87.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*57.79*	
		For Stainless Steel, Add	*300.51*	
23 37 13 00-0233	EA	24" x 8" Steel Security Grille	335.31	35.98
		For Anchoring Tabs, Add	*26.34*	
		For Angle Iron Frame, Add	*46.70*	
		For Rear Operated Opposed Blade Damper, Add	*99.37*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.84*	
		For Stainless Steel, Add	*342.38*	
23 37 13 00-0234	EA	24" x 10" Steel Security Grille	365.73	36.97
		For Anchoring Tabs, Add	*29.18*	
		For Angle Iron Frame, Add	*51.16*	
		For Rear Operated Opposed Blade Damper, Add	*109.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*72.95*	
		For Stainless Steel, Add	*379.33*	
23 37 13 00-0235	EA	24" x 12" Steel Security Grille	409.72	40.97
		For Anchoring Tabs, Add	*32.78*	
		For Angle Iron Frame, Add	*57.36*	
		For Rear Operated Opposed Blade Damper, Add	*122.92*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*81.95*	
		For Stainless Steel, Add	*426.13*	
23 37 13 00-0236	EA	24" x 14" Steel Security Grille	441.14	42.47
		For Anchoring Tabs, Add	*35.62*	
		For Angle Iron Frame, Add	*61.92*	
		For Rear Operated Opposed Blade Damper, Add	*133.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*89.05*	
		For Stainless Steel, Add	*463.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0237	EA	24" x 16" Steel Security Grille	480.13	43.97
		For Anchoring Tabs, Add	*39.22*	
		For Angle Iron Frame, Add	*67.62*	
		For Rear Operated Opposed Blade Damper, Add	*146.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*98.05*	
		For Stainless Steel, Add	*509.87*	
23 37 13 00-0238	EA	24" x 18" Steel Security Grille	524.82	45.47
		For Anchoring Tabs, Add	*43.39*	
		For Angle Iron Frame, Add	*74.18*	
		For Rear Operated Opposed Blade Damper, Add	*160.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.48*	
		For Stainless Steel, Add	*564.07*	
23 37 13 00-0239	EA	24" x 20" Steel Security Grille	556.24	46.97
		For Anchoring Tabs, Add	*46.23*	
		For Angle Iron Frame, Add	*78.74*	
		For Rear Operated Opposed Blade Damper, Add	*171.20*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*115.58*	
		For Stainless Steel, Add	*601.02*	
23 37 13 00-0240	EA	24" x 24" Steel Security Grille	622.86	49.96
		For Anchoring Tabs, Add	*52.30*	
		For Angle Iron Frame, Add	*88.43*	
		For Rear Operated Opposed Blade Damper, Add	*193.02*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*130.74*	
		For Stainless Steel, Add	*679.84*	
23 37 13 00-0241		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 00-0155)*		
		Note: Egg crate design aluminum construction.		
23 37 13 00-0242	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	65.43	24.99
23 37 13 00-0243	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	70.20	24.99
23 37 13 00-0244	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	104.71	37.48
23 37 13 00-0245	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	128.51	37.48
23 37 13 00-0246	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	207.06	49.96
23 37 13 00-0247	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	350.95	49.96
23 37 13 00-0248		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 00-0155)*		
		Note: Aluminum construction.		
23 37 13 00-0249	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	163.82	17.99
23 37 13 00-0250	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	183.84	17.99
23 37 13 00-0251	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	220.11	19.99
23 37 13 00-0252	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	255.67	19.99
23 37 13 00-0253	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	335.46	62.45
23 37 13 00-0254		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 00-0155)*		
		Note: Egg crate design, plastic construction.		
23 37 13 00-0255	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	34.61	11.96
23 37 13 00-0256	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	48.16	12.05
23 37 13 00-0257		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 00-0155)*		
		Note: Painted steel louvers and frame.		
23 37 13 00-0258	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	93.54	17.99
23 37 13 00-0259	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	121.55	17.99
23 37 13 00-0260	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	146.02	18.98
23 37 13 00-0261	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	192.74	22.68
23 37 13 00-0262	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	215.62	41.67
23 37 13 00-0263		**Stainless Steel Devices** *(23 37 13 00-0155)*		
23 37 13 00-0264		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0265	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	168.31	15.59
		For 316 Stainless Steel, Add	*28.47*	
23 37 13 00-0266	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	142.34	15.59
		For 316 Stainless Steel, Add	*23.27*	
23 37 13 00-0267		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0268	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	127.95	15.59
		For 316 Stainless Steel, Add	*20.39*	
23 37 13 00-0269	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	109.06	15.59
		For 316 Stainless Steel, Add	*16.62*	
23 37 13 00-0270		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0271	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	186.37	15.59
		For 316 Stainless Steel, Add	*32.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0272	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	159.11	15.59
		For 316 Stainless Steel, Add	*26.63*	
23 37 13 00-0273		**304 Stainless Steel Return Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0274	SF	Up To 4 SF, 304 Stainless Steel Return Grille	127.95	15.59
		For 316 Stainless Steel, Add	*20.39*	
23 37 13 00-0275	SF	>4 SF, 304 Stainless Steel Return Grille	109.06	15.59
		For 316 Stainless Steel, Add	*16.62*	
23 37 13 00-0276		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0277	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	127.95	15.59
		For 316 Stainless Steel, Add	*20.39*	
23 37 13 00-0278	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	109.06	15.59
		For 316 Stainless Steel, Add	*16.62*	
23 37 13 00-0279		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0280	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	127.95	15.59
		For 316 Stainless Steel, Add	*20.39*	
23 37 13 00-0281	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	103.87	15.59
		For 316 Stainless Steel, Add	*15.58*	
23 37 13 00-0282		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0283	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	154.50	15.59
		For 316 Stainless Steel, Add	*25.70*	
23 37 13 00-0284	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	106.63	15.59
		For 316 Stainless Steel, Add	*16.13*	
23 37 13 00-0285		**304 Stainless Steel, Door Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0286	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	229.92	15.59
		For 316 Stainless Steel, Add	*40.79*	
23 37 13 00-0287	SF	>4 SF, 304 Stainless Steel, Door Grille	192.16	15.59
		For 316 Stainless Steel, Add	*33.24*	
23 37 13 00-0288		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0289	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	293.30	15.59
		For 316 Stainless Steel, Add	*53.46*	
23 37 13 00-0290	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	251.39	15.59
		For 316 Stainless Steel, Add	*45.08*	
23 37 13 00-0291		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0292	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	216.11	15.59
		For 316 Stainless Steel, Add	*38.03*	
23 37 13 00-0293	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	150.02	15.59
		For 316 Stainless Steel, Add	*24.81*	
23 37 13 00-0294		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0295	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	117.33	15.59
		For 316 Stainless Steel, Add	*18.27*	
23 37 13 00-0296	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	89.83	15.59
		For 316 Stainless Steel, Add	*12.77*	
23 37 13 00-0297		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 00-0263)*		
		Note: For frequent replacement.		
23 37 13 00-0298	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	91.84	15.59
		For 316 Stainless Steel, Add	*13.17*	
23 37 13 00-0299	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	49.70	15.59
		For 316 Stainless Steel, Add	*4.74*	
23 37 13 00-0300		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 00-0263)*		
23 37 13 00-0301	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	212.92	15.59
		For 316 Stainless Steel, Add	*37.39*	
23 37 13 00-0302	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	167.02	15.59
		For 316 Stainless Steel, Add	*28.21*	
23 37 13 00-0303		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0304	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	75.90	15.59
		For 316 Stainless Steel, Add	*9.98*	
23 37 13 00-0305	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	75.90	15.59
		For 316 Stainless Steel, Add	*9.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0306		Security Registers And Grilles *(23 37 13)*		
23 37 13 00-0307		Maximum Security Steel Supply / Return Registers *(23 37 13 00-0306)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0308	EA	6" x 6" Maximum Security Supply/ Return Register	153.34	11.19
23 37 13 00-0309	EA	9" x 9" Maximum Security Supply/ Return Register	219.46	13.31
23 37 13 00-0310	EA	12" x 6" Maximum Security Supply/ Return Register	205.77	13.97
23 37 13 00-0311	EA	12" x 8" Maximum Security Supply/ Return Register	237.50	16.13
23 37 13 00-0312	EA	10" x 10" Maximum Security Supply/ Return Register	222.26	13.97
23 37 13 00-0313	EA	14" x 12" Maximum Security Supply/ Return Register	307.80	19.66
23 37 13 00-0314	EA	14" x 14" Maximum Security Supply/ Return Register	347.78	21.17
23 37 13 00-0315	EA	18" x 18" Maximum Security Supply/ Return Register	463.51	25.16
23 37 13 00-0316	EA	24" x 24" Maximum Security Supply/ Return Registers	661.84	32.16
23 37 13 00-0317		Staff Security Steel Supply Registers *(23 37 13 00-0306)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0318	EA	6" x 6" Staff Security Supply Register	117.06	11.19
23 37 13 00-0319	EA	9" x 9" Staff Security Supply Register	150.20	13.31
23 37 13 00-0320	EA	12" x 12" Staff Security Supply Register	190.08	18.16
23 37 13 00-0321	EA	15" x 15" Staff Security Supply Register	268.12	20.97
23 37 13 00-0322	EA	21" x 21" Staff Security Supply Register	379.56	27.97
23 37 13 00-0323	EA	24" x 24" Staff Security Supply Register	455.70	32.16
23 37 13 00-0324		Staff Security Steel Return Registers *(23 37 13 00-0306)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0325	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	147.91	12.10
23 37 13 00-0326	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	133.55	11.19
23 37 13 00-0327	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	160.85	12.60
23 37 13 00-0328	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	164.79	13.61
23 37 13 00-0329	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	204.51	16.13
23 37 13 00-0330	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	214.41	16.13
23 37 13 00-0331	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	238.40	16.74
23 37 13 00-0332	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	239.55	18.16
23 37 13 00-0333	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	310.60	20.37
23 37 13 00-0334	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	266.58	19.66
23 37 13 00-0335	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	331.28	20.97
23 37 13 00-0336	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	306.55	20.77
23 37 13 00-0337		Maximum Security Steel Grills *(23 37 13 00-0306)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0338	EA	10" x 4" Maximum Security Grill	128.12	12.10
23 37 13 00-0339	EA	6" x 6" Maximum Security Grill	117.06	11.19
23 37 13 00-0340	EA	10" x 6" Maximum Security Grill	137.76	12.60
23 37 13 00-0341	EA	12" x 5" Maximum Security Grill	143.35	13.61
23 37 13 00-0342	EA	12" x 8" Maximum Security Grill	169.88	16.13
23 37 13 00-0343	EA	16" x 8" Maximum Security Grill	195.52	16.74
23 37 13 00-0344	EA	12" x 12" Maximum Security Grill	196.67	18.16
23 37 13 00-0345	EA	14" x 12" Maximum Security Grill	213.81	19.66
23 37 13 00-0346	EA	30" x 6" Maximum Security Grill	261.13	20.37
23 37 13 00-0347	EA	28" x 8" Maximum Security Grill	275.22	20.97
23 37 13 00-0348	EA	18" x 12" Maximum Security Grill	252.13	20.77
23 37 13 00-0349		Removal And Reinstallation Of Distribution Devices *(23 37 13)* Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0350	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	187.34	
23 37 13 00-0351	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	206.62	
23 37 13 00-0352	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	30.97	
23 37 13 00-0353	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	41.94	

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0001		**Commercial Kitchen Hood Ventilation System** *(23 38 13 16)* Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002		**Dry Filter Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	7,279.44	738.50
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	7,591.47	784.66
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	8,444.35	830.81
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	8,711.00	876.97
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	9,030.73	923.12
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	9,367.06	969.28
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	9,687.31	1,015.44
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	10,016.77	1,061.60
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	10,380.48	1,107.75
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	10,698.44	1,153.90
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	10,966.00	1,200.07
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	11,401.22	1,246.22
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	12,705.00	1,292.38
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,053.91	1,338.53
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	13,517.34	1,384.68
23 38 13 16-0018	EA	15"-6" Long x 60" Deep Dry Filter Exhaust Hood	13,873.08	1,430.85
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	14,392.82	1,477.00
23 38 13 16-0020		**Dry Extractor Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	10,041.36	738.50
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	10,370.86	784.66
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	11,276.18	830.81
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	11,612.76	876.97
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	11,949.97	923.12
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	12,268.81	969.28
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	12,606.55	1,015.44
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	12,927.26	1,061.60
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	13,229.80	1,107.75
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	13,652.64	1,153.90
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	14,138.70	1,200.07
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	14,652.59	1,246.22
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	15,702.90	1,292.38
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	16,226.62	1,338.53
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	17,223.20	1,384.68
23 38 13 16-0036	EA	15"-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,234.45	1,430.85
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	19,234.91	1,477.00
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,740.57	738.50
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,087.56	784.66
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,010.36	830.81
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,355.68	876.97
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,719.11	923.12
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	13,055.43	969.28
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	13,401.91	1,015.44
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	13,748.85	1,061.60
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	14,060.12	1,107.75
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	14,517.92	1,153.90
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	15,038.94	1,200.07
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	15,587.79	1,246.22
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	16,673.06	1,292.38
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	17,231.74	1,338.53
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	18,324.47	1,384.68
23 38 13 16-0054	EA	15"-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	18,881.23	1,430.85
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,435.93	1,477.00
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	7,623.49	369.25
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long UDS	24,918.30	375.53
23 38 13 16-0059	EA	8'-6" Long UDS	25,653.44	384.67
23 38 13 16-0060	EA	9' Long UDS	26,380.54	393.62
23 38 13 16-0061	EA	9'-6" Long UDS	27,114.95	406.17
23 38 13 16-0062	EA	10' Long UDS	27,844.14	416.14
23 38 13 16-0063	EA	10'-6" Long UDS	28,566.63	426.67
23 38 13 16-0064	EA	11' Long UDS	29,298.13	433.96

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0065	EA	11'-6" Long UDS	30,030.18	445.41
23 38 13 16-0066	EA	12' Long UDS	30,771.79	461.56
23 38 13 16-0067	EA	12'-6" Long UDS	31,524.97	483.53
23 38 13 16-0068	EA	13' Long UDS	32,262.63	497.75
23 38 13 16-0069	EA	13'-6" Long UDS	33,012.47	518.05
23 38 13 16-0070	EA	14' Long UDS	33,754.40	534.40
23 38 13 16-0071	EA	14'-6" Long UDS	34,498.47	551.84
23 38 13 16-0072	EA	15' Long UDS	35,244.89	570.49
23 38 13 16-0073	EA	15'-6" Long UDS	35,993.91	590.34
23 38 13 16-0074	EA	16' Long UDS	36,731.23	604.46
23 38 13 16-0075		Stainless Steel Exhaust Hood Material *(23 38 13 16)*		
		Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge Stainless Steel Exhaust Hood Material	63.36	12.78
23 38 13 16-0077	SF	14 Gauge Stainless Steel Exhaust Hood Material	79.20	17.04
23 38 13 16-0078	SF	12 Gauge Stainless Steel Exhaust Hood Material	109.84	23.01
23 38 13 16-0079	SF	10 Gauge Stainless Steel Exhaust Hood Material	136.85	28.13

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	10.62	
23 41 13 00-0003		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.70	4.80
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.70	4.80
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.48	4.80
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.43	5.02
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.43	5.02
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.43	5.02
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.43	5.02
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.61	5.02
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.01	5.25
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.99	5.25
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.49	5.25
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.49	5.25
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.49	5.25
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.45	5.25
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.69	5.25
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.84	5.55
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.71	5.55
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.12	5.55
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.84	5.55
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.12	5.55
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.51	5.55
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.26	5.69
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.26	5.69
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.53	5.69
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.38	5.77
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.59	5.77

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.42	5.77
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.14	5.77
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.95	5.77
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.64	5.77
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.35	5.77
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.14	5.77
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.44	5.99
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.16	5.99
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.44	5.99
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.38	5.99
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.76	5.99
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.34	5.99
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.85	6.29
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.65	6.29
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.13	6.29
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.54	6.29
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.72	6.29
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.06	6.29
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.30	6.29
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.85	6.38
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.22	6.45
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.32	6.52
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.80	6.52
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.69	6.52
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.42	6.60
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.08	6.60
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.91	5.02
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.09	5.02
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.90	5.25
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.29	5.55
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.29	5.55
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.58	5.69
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.50	5.77
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.38	5.77
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.68	5.77
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.50	5.99
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.99	6.29
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.78	6.29
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.78	6.29
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.30	6.52
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.40	6.60

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0071		Disposable Pleated Air Filters *(23 41 13)*		
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	11.25	5.02
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.62	5.02
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	20.86	5.02
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	14.45	5.25
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.45	5.25
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	13.29	5.25
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	13.29	5.25
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	21.16	5.25
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	16.33	5.55
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.84	5.55
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.60	5.55
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	14.29	5.55
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	20.42	5.55
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.13	5.69
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	16.63	5.77
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.93	5.77
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.20	5.77
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	14.44	5.77
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	20.72	5.77
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	22.15	5.99
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.47	5.99
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.19	5.99
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	15.99	5.99
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	22.29	5.99
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	15.23	6.29
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.26	6.29
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	16.09	6.29
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	18.15	6.29
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	22.00	6.45
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.31	6.52
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.06	6.52
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.31	6.60
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	13.25	5.02
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	17.24	5.25
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	13.88	5.25
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	13.68	5.25
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.45	5.55
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	15.08	5.55
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.65	5.69
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	18.36	5.77
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.37	5.77
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.35	5.77
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	15.17	5.77
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	21.17	5.99
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.10	5.99
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.47	5.99
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	17.09	5.99
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	16.03	6.29
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.17	6.29
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	16.97	6.29
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	24.38	6.29
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	18.19	6.52
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.07	6.60
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	20.85	5.25
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	22.53	5.77
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	24.07	5.77
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	25.95	5.99
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	24.70	6.29
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	26.85	6.29
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	27.05	6.29
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	29.52	6.52
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	18.98	5.02
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	18.98	5.02
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	24.55	5.02
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	20.11	5.25
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	19.61	5.25
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	19.53	5.25
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	27.83	5.25
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	22.82	5.55
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	20.13	5.55
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.93	5.55
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	25.36	5.55
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	29.74	5.55
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	19.34	5.69
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	27.30	5.77
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	18.08	5.77
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	23.25	5.77
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	21.38	5.77
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	28.16	5.77
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	28.82	5.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.50	5.99
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	22.11	5.99
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	23.55	5.99
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.54	5.99
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	22.23	6.29
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.36	6.29
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	24.59	6.29
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	28.57	6.29
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	31.60	6.45
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.67	6.52
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	34.47	6.52
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.98	6.60
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	19.31	5.02
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	20.33	5.25
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	19.34	5.25
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	22.66	5.25
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	20.36	5.55
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	21.31	5.55
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	20.91	5.69
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	27.86	5.77
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	24.30	5.77
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	23.70	5.77
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	26.79	5.77
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	32.07	5.99
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.51	5.99
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	29.06	5.99
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	25.23	5.99
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.96	6.29
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	29.94	6.29
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	30.23	6.29
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.24	6.52
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	30.63	6.60
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	36.64	5.25
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	37.55	5.77
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	44.64	5.77
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	44.60	5.99
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	44.45	6.29
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	48.91	6.29
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	48.91	6.29
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	54.55	6.52
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.10	4.80
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.10	4.80
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.10	4.80
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.40	5.02
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	23.36	5.02
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.40	5.02
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.40	5.02
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.40	5.02
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	23.66	5.25
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.70	5.25
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	23.66	5.25
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	23.66	5.25
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.70	5.25
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.70	5.25
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.75	5.25
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.05	5.55
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.09	5.55
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.05	5.55
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.05	5.55
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.05	5.55
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.09	5.55
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.25	5.69
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.29	5.69
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.29	5.69
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.35	5.77
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.39	5.77
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.35	5.77
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.35	5.77
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.35	5.77
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.39	5.77
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.39	5.77
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.78	5.77
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.65	5.99
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	26.74	5.99
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	24.65	5.99
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	26.74	5.99
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	26.74	5.99
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.08	5.99
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.15	6.29
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.06	6.29
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.06	6.29

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	25.06	6.29
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	26.10	6.29
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.49	6.29
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.49	6.29
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.25	6.38
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	26.30	6.45
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	6.52
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	6.52
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.87	6.52
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.59	6.60
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.97	6.60
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.16	6.75
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	526.08	14.99
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	54.20	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	52.35	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.26	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	93.27	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	35.61	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001		HEPA Filters *(23 41 33)* Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002		HEPA Filters DOP Efficiency-95% *(23 41 33 00-0001)*		
23 41 33 00-0003	EA	12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete	98.62	13.99
		For Removal And Replacement In Existing Equipment, Add	*2.80*	
		For >10 To 25, Deduct	*-2.47*	
		For >25 To 50, Deduct	*-4.93*	
		For >50 To 100, Deduct	*-7.40*	
		For >100, Deduct	*-9.86*	
23 41 33 00-0004	EA	24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete	130.58	15.99
		For Removal And Replacement In Existing Equipment, Add	*3.20*	
		For >10 To 25, Deduct	*-3.26*	
		For >25 To 50, Deduct	*-6.53*	
		For >50 To 100, Deduct	*-9.79*	
		For >100, Deduct	*-13.06*	
23 41 33 00-0005	EA	24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete	152.77	18.49
		For Removal And Replacement In Existing Equipment, Add	*3.70*	
		For >10 To 25, Deduct	*-3.82*	
		For >25 To 50, Deduct	*-7.64*	
		For >50 To 100, Deduct	*-11.46*	
		For >100, Deduct	*-15.28*	
23 41 33 00-0006	EA	24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete	175.00	20.99
		For Removal And Replacement In Existing Equipment, Add	*4.20*	
		For >10 To 25, Deduct	*-4.38*	
		For >25 To 50, Deduct	*-8.75*	
		For >50 To 100, Deduct	*-13.13*	
		For >100, Deduct	*-17.50*	
23 41 33 00-0007	EA	12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete	119.72	14.99
		For Removal And Replacement In Existing Equipment, Add	*3.00*	
		For >10 To 25, Deduct	*-2.99*	
		For >25 To 50, Deduct	*-5.99*	
		For >50 To 100, Deduct	*-8.98*	
		For >100, Deduct	*-11.97*	
23 41 33 00-0008	EA	24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete	160.23	17.49
		For Removal And Replacement In Existing Equipment, Add	*3.50*	
		For >10 To 25, Deduct	*-4.01*	
		For >25 To 50, Deduct	*-8.01*	
		For >50 To 100, Deduct	*-12.02*	
		For >100, Deduct	*-16.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0009	EA	24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete	191.34	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-4.78*	
		For >25 To 50, Deduct	*-9.57*	
		For >50 To 100, Deduct	*-14.35*	
		For >100, Deduct	*-19.13*	
23 41 33 00-0010	EA	24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete	227.44	24.99
		For Removal And Replacement In Existing Equipment, Add	*5.00*	
		For >10 To 25, Deduct	*-5.69*	
		For >25 To 50, Deduct	*-11.37*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-22.74*	
23 41 33 00-0011		HEPA Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	84.60	12.49
		For Removal And Replacement In Existing Equipment, Add	*2.50*	
		For >10 To 25, Deduct	*-2.12*	
		For >25 To 50, Deduct	*-4.23*	
		For >50 To 100, Deduct	*-6.35*	
		For >100, Deduct	*-8.46*	
23 41 33 00-0013	EA	24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	116.59	14.99
		For Removal And Replacement In Existing Equipment, Add	*3.00*	
		For >10 To 25, Deduct	*-2.91*	
		For >25 To 50, Deduct	*-5.83*	
		For >50 To 100, Deduct	*-8.74*	
		For >100, Deduct	*-11.66*	
23 41 33 00-0014	EA	24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	177.30	17.49
		For Removal And Replacement In Existing Equipment, Add	*3.50*	
		For >10 To 25, Deduct	*-4.43*	
		For >25 To 50, Deduct	*-8.87*	
		For >50 To 100, Deduct	*-13.30*	
		For >100, Deduct	*-17.73*	
23 41 33 00-0015	EA	36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	227.44	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-5.69*	
		For >25 To 50, Deduct	*-11.37*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-22.74*	
23 41 33 00-0016	EA	8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	79.55	9.99
		For Removal And Replacement In Existing Equipment, Add	*2.00*	
		For >10 To 25, Deduct	*-1.99*	
		For >25 To 50, Deduct	*-3.98*	
		For >50 To 100, Deduct	*-5.97*	
		For >100, Deduct	*-7.96*	
23 41 33 00-0017	EA	12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete	105.47	13.49
		For Removal And Replacement In Existing Equipment, Add	*2.70*	
		For >10 To 25, Deduct	*-2.64*	
		For >25 To 50, Deduct	*-5.27*	
		For >50 To 100, Deduct	*-7.91*	
		For >100, Deduct	*-10.55*	
23 41 33 00-0018	EA	24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete	141.54	15.99
		For Removal And Replacement In Existing Equipment, Add	*3.20*	
		For >10 To 25, Deduct	*-3.54*	
		For >25 To 50, Deduct	*-7.08*	
		For >50 To 100, Deduct	*-10.62*	
		For >100, Deduct	*-14.15*	
23 41 33 00-0019	EA	24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete	166.16	18.73
		For Removal And Replacement In Existing Equipment, Add	*3.75*	
		For >10 To 25, Deduct	*-4.15*	
		For >25 To 50, Deduct	*-8.31*	
		For >50 To 100, Deduct	*-12.46*	
		For >100, Deduct	*-16.62*	
23 41 33 00-0020	EA	24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	189.78	20.99
		For Removal And Replacement In Existing Equipment, Add	*4.20*	
		For >10 To 25, Deduct	*-4.74*	
		For >25 To 50, Deduct	*-9.49*	
		For >50 To 100, Deduct	*-14.23*	
		For >100, Deduct	*-18.98*	
23 41 33 00-0021	EA	12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete	129.68	14.99
		For Removal And Replacement In Existing Equipment, Add	*3.00*	
		For >10 To 25, Deduct	*-3.24*	
		For >25 To 50, Deduct	*-6.48*	
		For >50 To 100, Deduct	*-9.73*	
		For >100, Deduct	*-12.97*	
23 41 33 00-0022	EA	24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete	174.15	17.49
		For Removal And Replacement In Existing Equipment, Add	*3.50*	
		For >10 To 25, Deduct	*-4.35*	
		For >25 To 50, Deduct	*-8.71*	
		For >50 To 100, Deduct	*-13.06*	
		For >100, Deduct	*-17.42*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0023	EA	24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	208.16	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-5.20*	
		For >25 To 50, Deduct	*-10.41*	
		For >50 To 100, Deduct	*-15.61*	
		For >100, Deduct	*-20.82*	
23 41 33 00-0024	EA	24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	256.53	24.99
		For Removal And Replacement In Existing Equipment, Add	*5.00*	
		For >10 To 25, Deduct	*-6.41*	
		For >25 To 50, Deduct	*-12.83*	
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-25.65*	

23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	249.35	74.52
23 41 33 00-0027	EA	24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	466.91	148.12
23 41 33 00-0028	EA	24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	473.72	148.12
23 41 33 00-0029	EA	24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	478.26	148.12
23 41 33 00-0030	EA	24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	510.05	148.12
23 41 33 00-0031	EA	24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	549.77	148.12
23 41 33 00-0032	EA	48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	906.59	297.15
23 41 33 00-0033	EA	48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,003.07	297.15
23 41 33 00-0034	EA	48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,125.66	297.15
23 41 33 00-0035	EA	12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	268.64	74.52
23 41 33 00-0036	EA	24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	499.83	148.12
23 41 33 00-0037	EA	24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	507.77	148.12
23 41 33 00-0038	EA	24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	513.45	148.12
23 41 33 00-0039	EA	24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	550.91	148.12
23 41 33 00-0040	EA	24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	600.85	148.12
23 41 33 00-0041	EA	48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	986.05	297.15
23 41 33 00-0042	EA	48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,106.37	297.15
23 41 33 00-0043	EA	48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,258.47	297.15

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	227.04	96.59
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	258.80	96.59

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	223.39	96.59
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	246.82	96.59

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	35.55	7.49
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	35.94	7.49
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	36.18	7.49
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	36.18	7.49
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	39.16	7.49
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	44.05	7.49
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	44.80	8.50
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	45.13	8.50
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	45.41	8.50
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	45.41	8.50
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.71	8.50
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	57.88	8.50
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	21.92	7.49
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	23.34	7.49
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	23.39	7.49
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	25.25	7.49
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	26.89	7.49
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	25.37	8.50
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	27.84	8.50
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	28.36	8.50
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	31.42	8.50
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	33.37	8.50
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	54.51	8.99

23 44 Ultraviolet HVAC Microbial Control *(23 40)*

23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 44)*

23 44 00 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	479.49	61.02
23 44 00 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	500.76	64.05

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	503.84	66.80
23 44 00 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	527.33	70.18
23 44 00 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	569.06	73.20
23 44 00 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	648.79	75.48
23 44 00 00-0008		Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 44)*		
23 44 00 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	413.99	42.28
23 44 00 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	421.84	45.75
23 44 00 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	429.88	48.49
23 44 00 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	430.87	52.16
23 44 00 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	448.57	54.90
23 44 00 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	459.53	57.65
23 44 00 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	470.55	61.30
23 44 00 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	483.02	42.28
23 44 00 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	490.87	45.75
23 44 00 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	498.91	48.49
23 44 00 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	499.90	52.16
23 44 00 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	517.61	54.90
23 44 00 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	528.57	57.65
23 44 00 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	539.58	61.30
23 44 00 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	340.66	45.75
23 44 00 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	348.70	48.49
23 44 00 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	349.69	52.16
23 44 00 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	367.39	54.90
23 44 00 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	378.36	57.65
23 44 00 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	389.37	61.30
23 44 00 00-0029		Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 44)*		
23 44 00 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	307.14	58.56
23 44 00 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	314.93	61.30
23 44 00 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	322.72	64.05
23 44 00 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	332.60	66.80
23 44 00 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	344.87	70.18
23 44 00 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	355.89	73.20
23 44 00 00-0036		Ultraviolet HVAC Microbial Control Replacement Parts *(23 44)*		
23 44 00 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	81.15	
23 44 00 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	85.22	
23 44 00 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	95.98	
23 44 00 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	109.72	
23 44 00 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	123.75	
23 44 00 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	150.62	
23 44 00 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	78.40	
23 44 00 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	82.59	
23 44 00 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	86.96	
23 44 00 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	84.31	
23 44 00 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	98.35	
23 44 00 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	105.64	
23 44 00 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	113.00	
23 44 00 00-0050	EA	Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	229.46	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 44 00 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 44)*

23 44 00 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	416.31	
23 44 00 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	524.44	
23 44 00 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	250.25	
23 44 00 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	263.50	
23 44 00 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	323.07	
23 44 00 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	206.82	
23 44 00 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	223.10	
23 44 00 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	295.29	
23 44 00 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	291.53	
23 44 00 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	11.08	
23 44 00 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	37.98	
23 44 00 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	13.68	
23 44 00 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	13.03	
23 44 00 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	35.30	
23 44 00 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	39.27	
23 44 00 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	35.10	
23 44 00 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	28.83	
23 44 00 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	27.34	
23 44 00 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	15.65	
23 44 00 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	30.50	
23 44 00 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	15.71	
23 44 00 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	58.44	
23 44 00 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	61.24	

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 51 Breechings, Chimneys, And Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	2,109.83	202.39
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	2,387.30	220.79
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	2,854.49	243.78
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	3,711.78	282.88

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	2,524.45	220.79
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,065.21	243.78
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,963.81	285.19
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,684.72	319.68

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	318.52	69.00

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	331.77	40.85
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	359.62	43.33
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	391.77	46.00
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	418.31	49.06
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	453.83	52.55
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	484.27	56.58
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	531.96	61.34
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	582.82	66.89
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	638.89	70.14

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	681.31	73.60
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	735.44	77.28
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	958.70	122.35
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	1,039.23	129.95
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	1,118.05	137.99
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	1,143.54	142.59
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	1,179.87	147.19
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	1,227.42	156.40
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	1,274.54	160.88
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	1,336.19	170.09
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	1,416.64	183.99
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	1,479.68	190.31
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	1,529.45	193.19
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	1,603.74	202.39
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	1,678.31	211.59
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	1,753.00	220.79
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	1,827.50	229.99

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	120.83	8.00
23 51 13 19-0003	EA	12" x 12" Barometric Damper	172.72	10.99
23 51 13 19-0004	EA	18" x 18" Barometric Damper	239.31	16.99
23 51 13 19-0005	EA	24" x 24" Barometric Damper	322.05	31.97
23 51 13 19-0006	EA	6" Diameter Barometric Damper	70.89	8.00
		For Stainless Steel, Add	*51.84*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	83.35	8.99
		For Stainless Steel, Add	*61.59*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	96.76	9.99
		For Stainless Steel, Add	*71.42*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	113.56	9.99
		For Stainless Steel, Add	*90.48*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	140.93	11.99
		For Stainless Steel, Add	*123.27*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	173.68	12.98
		For Stainless Steel, Add	*158.99*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	212.17	13.99
		For Stainless Steel, Add	*202.76*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	249.49	14.99
		For Stainless Steel, Add	*243.71*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	285.49	16.99
		For Stainless Steel, Add	*284.56*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	364.38	17.98
		For Stainless Steel, Add	*380.19*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	428.24	19.98
		For Stainless Steel, Add	*455.07*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	507.13	19.98
		For Stainless Steel, Add	*552.99*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	617.22	22.98
		For Stainless Steel, Add	*685.49*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	772.60	23.98
		For Stainless Steel, Add	*881.34*	

23 51 16 Fabricated Breechings And Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	23.40	8.19
		For Aluminum Liner, Add	*0.16*	
		For Stainless Steel Liner, Add	*0.22*	
		For 2" Wall Instead Of 1", Add	*2.94*	
		For 3" To 4" Wall Instead Of 1", Add	*5.43*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	24.76	8.65
		For Aluminum Liner, Add	*0.20*	
		For Stainless Steel Liner, Add	*0.27*	
		For 2" Wall Instead Of 1", Add	*3.21*	
		For 3" To 4" Wall Instead Of 1", Add	*5.86*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	27.09	9.20
		For Aluminum Liner, Add	*0.24*	
		For Stainless Steel Liner, Add	*0.32*	
		For 2" Wall Instead Of 1", Add	*3.58*	
		For 3" To 4" Wall Instead Of 1", Add	*6.50*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	29.28	9.84
		For Aluminum Liner, Add	*0.28*	
		For Stainless Steel Liner, Add	*0.38*	
		For 2" Wall Instead Of 1", Add	*3.93*	
		For 3" To 4" Wall Instead Of 1", Add	*7.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	33.12	10.48
		For Aluminum Liner, Add	*0.41*	
		For Stainless Steel Liner, Add	*0.56*	
		For 2" Wall Instead Of 1", Add	*4.79*	
		For 3" To 4" Wall Instead Of 1", Add	*8.47*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	36.80	11.32
		For Aluminum Liner, Add	*0.45*	
		For Stainless Steel Liner, Add	*0.62*	
		For 2" Wall Instead Of 1", Add	*5.33*	
		For 3" To 4" Wall Instead Of 1", Add	*9.42*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.29	12.14
		For Aluminum Liner, Add	*0.96*	
		For Stainless Steel Liner, Add	*1.31*	
		For 2" Wall Instead Of 1", Add	*8.31*	
		For 3" To 4" Wall Instead Of 1", Add	*14.01*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	56.83	13.43
		For Aluminum Liner, Add	*1.28*	
		For Stainless Steel Liner, Add	*1.75*	
		For 2" Wall Instead Of 1", Add	*10.35*	
		For 3" To 4" Wall Instead Of 1", Add	*17.20*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	74.26	13.98
		For Aluminum Liner, Add	*2.16*	
		For Stainless Steel Liner, Add	*2.94*	
		For 2" Wall Instead Of 1", Add	*15.27*	
		For 3" To 4" Wall Instead Of 1", Add	*24.65*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	89.50	14.72
		For Aluminum Liner, Add	*2.91*	
		For Stainless Steel Liner, Add	*3.97*	
		For 2" Wall Instead Of 1", Add	*19.52*	
		For 3" To 4" Wall Instead Of 1", Add	*31.12*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	107.33	15.45
		For Aluminum Liner, Add	*3.76*	
		For Stainless Steel Liner, Add	*5.12*	
		For 2" Wall Instead Of 1", Add	*24.39*	
		For 3" To 4" Wall Instead Of 1", Add	*38.54*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	141.68	24.56
		For Aluminum Liner, Add	*4.46*	
		For Stainless Steel Liner, Add	*6.08*	
		For 2" Wall Instead Of 1", Add	*30.38*	
		For 3" To 4" Wall Instead Of 1", Add	*48.60*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	167.69	25.95
		For Aluminum Liner, Add	*5.62*	
		For Stainless Steel Liner, Add	*7.67*	
		For 2" Wall Instead Of 1", Add	*37.21*	
		For 3" To 4" Wall Instead Of 1", Add	*59.09*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	195.56	27.60
		For Aluminum Liner, Add	*6.93*	
		For Stainless Steel Liner, Add	*9.45*	
		For 2" Wall Instead Of 1", Add	*44.76*	
		For 3" To 4" Wall Instead Of 1", Add	*70.61*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	222.77	28.52
		For Aluminum Liner, Add	*8.34*	
		For Stainless Steel Liner, Add	*11.37*	
		For 2" Wall Instead Of 1", Add	*52.59*	
		For 3" To 4" Wall Instead Of 1", Add	*82.45*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	233.07	29.44
		For Aluminum Liner, Add	*8.77*	
		For Stainless Steel Liner, Add	*11.96*	
		For 2" Wall Instead Of 1", Add	*55.21*	
		For 3" To 4" Wall Instead Of 1", Add	*86.49*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	247.96	31.55
		For Aluminum Liner, Add	*9.31*	
		For Stainless Steel Liner, Add	*12.69*	
		For 2" Wall Instead Of 1", Add	*58.63*	
		For 3" To 4" Wall Instead Of 1", Add	*91.89*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	277.33	32.75
		For Aluminum Liner, Add	*10.76*	
		For Stainless Steel Liner, Add	*14.67*	
		For 2" Wall Instead Of 1", Add	*66.86*	
		For 3" To 4" Wall Instead Of 1", Add	*104.37*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	307.77	33.95
		For Aluminum Liner, Add	*12.26*	
		For Stainless Steel Liner, Add	*16.72*	
		For 2" Wall Instead Of 1", Add	*75.37*	
		For 3" To 4" Wall Instead Of 1", Add	*117.29*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	323.50	35.32
		For Aluminum Liner, Add	*12.94*	
		For Stainless Steel Liner, Add	*17.65*	
		For 2" Wall Instead Of 1", Add	*79.41*	
		For 3" To 4" Wall Instead Of 1", Add	*123.52*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	349.20	36.80
		For Aluminum Liner, Add	*14.15*	
		For Stainless Steel Liner, Add	*19.30*	
		For 2" Wall Instead Of 1", Add	*86.38*	
		For 3" To 4" Wall Instead Of 1", Add	*134.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	382.34	38.36
		For Aluminum Liner, Add	*15.75*	
		For Stainless Steel Liner, Add	*21.48*	
		For 2" Wall Instead Of 1", Add	*95.51*	
		For 3" To 4" Wall Instead Of 1", Add	*148.07*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	400.00	40.11
		For Aluminum Liner, Add	*16.48*	
		For Stainless Steel Liner, Add	*22.47*	
		For 2" Wall Instead Of 1", Add	*99.92*	
		For 3" To 4" Wall Instead Of 1", Add	*154.90*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	440.02	42.04
		For Aluminum Liner, Add	*18.42*	
		For Stainless Steel Liner, Add	*25.11*	
		For 2" Wall Instead Of 1", Add	*110.97*	
		For 3" To 4" Wall Instead Of 1", Add	*171.72*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	476.11	44.16
		For Aluminum Liner, Add	*20.11*	
		For Stainless Steel Liner, Add	*27.43*	
		For 2" Wall Instead Of 1", Add	*120.75*	
		For 3" To 4" Wall Instead Of 1", Add	*186.65*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	521.33	46.46
		For Aluminum Liner, Add	*22.29*	
		For Stainless Steel Liner, Add	*30.40*	
		For 2" Wall Instead Of 1", Add	*133.20*	
		For 3" To 4" Wall Instead Of 1", Add	*205.60*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	54.22	16.38
		For Aluminum Liner, Add	*0.75*	
		For Stainless Steel Liner, Add	*1.02*	
		For 2" Wall Instead Of 1", Add	*8.15*	
		For 3" To 4" Wall Instead Of 1", Add	*14.26*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	59.24	17.29
		For Aluminum Liner, Add	*0.89*	
		For Stainless Steel Liner, Add	*1.21*	
		For 2" Wall Instead Of 1", Add	*9.15*	
		For 3" To 4" Wall Instead Of 1", Add	*15.88*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	65.03	18.40
		For Aluminum Liner, Add	*1.06*	
		For Stainless Steel Liner, Add	*1.44*	
		For 2" Wall Instead Of 1", Add	*10.35*	
		For 3" To 4" Wall Instead Of 1", Add	*17.82*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.02	19.60
		For Aluminum Liner, Add	*1.23*	
		For Stainless Steel Liner, Add	*1.68*	
		For 2" Wall Instead Of 1", Add	*11.57*	
		For 3" To 4" Wall Instead Of 1", Add	*19.79*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	82.04	20.98
		For Aluminum Liner, Add	*1.64*	
		For Stainless Steel Liner, Add	*2.24*	
		For 2" Wall Instead Of 1", Add	*14.18*	
		For 3" To 4" Wall Instead Of 1", Add	*23.88*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	94.03	22.63
		For Aluminum Liner, Add	*2.06*	
		For Stainless Steel Liner, Add	*2.81*	
		For 2" Wall Instead Of 1", Add	*16.89*	
		For 3" To 4" Wall Instead Of 1", Add	*28.17*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	147.65	24.56
		For Aluminum Liner, Add	*4.74*	
		For Stainless Steel Liner, Add	*6.46*	
		For 2" Wall Instead Of 1", Add	*31.99*	
		For 3" To 4" Wall Instead Of 1", Add	*51.07*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	175.48	26.77
		For Aluminum Liner, Add	*5.97*	
		For Stainless Steel Liner, Add	*8.15*	
		For 2" Wall Instead Of 1", Add	*39.27*	
		For 3" To 4" Wall Instead Of 1", Add	*62.25*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	220.27	28.06
		For Aluminum Liner, Add	*8.26*	
		For Stainless Steel Liner, Add	*11.26*	
		For 2" Wall Instead Of 1", Add	*52.06*	
		For 3" To 4" Wall Instead Of 1", Add	*81.60*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	265.20	29.44
		For Aluminum Liner, Add	*10.55*	
		For Stainless Steel Liner, Add	*14.38*	
		For 2" Wall Instead Of 1", Add	*64.87*	
		For 3" To 4" Wall Instead Of 1", Add	*100.98*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	335.20	31.00
		For Aluminum Liner, Add	*14.17*	
		For Stainless Steel Liner, Add	*19.32*	
		For 2" Wall Instead Of 1", Add	*85.05*	
		For 3" To 4" Wall Instead Of 1", Add	*131.46*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	478.50	49.04
		For Aluminum Liner, Add	*19.57*	
		For Stainless Steel Liner, Add	*26.68*	
		For 2" Wall Instead Of 1", Add	*119.01*	
		For 3" To 4" Wall Instead Of 1", Add	*184.65*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	616.80	51.97
		For Aluminum Liner, Add	*26.78*	
		For Stainless Steel Liner, Add	*36.51*	
		For 2" Wall Instead Of 1", Add	*159.05*	
		For 3" To 4" Wall Instead Of 1", Add	*245.08*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	692.41	55.19
		For Aluminum Liner, Add	*30.48*	
		For Stainless Steel Liner, Add	*41.57*	
		For 2" Wall Instead Of 1", Add	*180.10*	
		For 3" To 4" Wall Instead Of 1", Add	*277.05*	
23 51 16 00-0044		45 Degree Elbows *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	48.71	16.38
		For Aluminum Liner, Add	*0.43*	
		For Stainless Steel Liner, Add	*0.59*	
		For 2" Wall Instead Of 1", Add	*6.44*	
		For 3" To 4" Wall Instead Of 1", Add	*11.71*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	52.60	17.29
		For Aluminum Liner, Add	*0.51*	
		For Stainless Steel Liner, Add	*0.70*	
		For 2" Wall Instead Of 1", Add	*7.11*	
		For 3" To 4" Wall Instead Of 1", Add	*12.84*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	56.92	18.40
		For Aluminum Liner, Add	*0.60*	
		For Stainless Steel Liner, Add	*0.82*	
		For 2" Wall Instead Of 1", Add	*7.87*	
		For 3" To 4" Wall Instead Of 1", Add	*14.11*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	62.11	19.60
		For Aluminum Liner, Add	*0.72*	
		For Stainless Steel Liner, Add	*0.98*	
		For 2" Wall Instead Of 1", Add	*8.82*	
		For 3" To 4" Wall Instead Of 1", Add	*15.69*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.28	20.98
		For Aluminum Liner, Add	*1.03*	
		For Stainless Steel Liner, Add	*1.40*	
		For 2" Wall Instead Of 1", Add	*10.87*	
		For 3" To 4" Wall Instead Of 1", Add	*18.94*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	78.11	22.63
		For Aluminum Liner, Add	*1.18*	
		For Stainless Steel Liner, Add	*1.61*	
		For 2" Wall Instead Of 1", Add	*12.12*	
		For 3" To 4" Wall Instead Of 1", Add	*21.00*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	115.19	24.56
		For Aluminum Liner, Add	*2.96*	
		For Stainless Steel Liner, Add	*4.04*	
		For 2" Wall Instead Of 1", Add	*22.29*	
		For 3" To 4" Wall Instead Of 1", Add	*36.50*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	134.77	26.77
		For Aluminum Liner, Add	*3.73*	
		For Stainless Steel Liner, Add	*5.09*	
		For 2" Wall Instead Of 1", Add	*27.05*	
		For 3" To 4" Wall Instead Of 1", Add	*43.92*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	165.61	28.06
		For Aluminum Liner, Add	*5.25*	
		For Stainless Steel Liner, Add	*7.16*	
		For 2" Wall Instead Of 1", Add	*35.66*	
		For 3" To 4" Wall Instead Of 1", Add	*57.00*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	193.41	29.44
		For Aluminum Liner, Add	*6.59*	
		For Stainless Steel Liner, Add	*8.99*	
		For 2" Wall Instead Of 1", Add	*43.31*	
		For 3" To 4" Wall Instead Of 1", Add	*68.64*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	238.50	31.00
		For Aluminum Liner, Add	*8.86*	
		For Stainless Steel Liner, Add	*12.08*	
		For 2" Wall Instead Of 1", Add	*56.06*	
		For 3" To 4" Wall Instead Of 1", Add	*87.96*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	303.97	48.95
		For Aluminum Liner, Add	*9.99*	
		For Stainless Steel Liner, Add	*13.62*	
		For 2" Wall Instead Of 1", Add	*66.73*	
		For 3" To 4" Wall Instead Of 1", Add	*106.20*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	403.33	51.97
		For Aluminum Liner, Add	*15.04*	
		For Stainless Steel Liner, Add	*20.50*	
		For 2" Wall Instead Of 1", Add	*95.01*	
		For 3" To 4" Wall Instead Of 1", Add	*149.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	484.32	55.19
		For Aluminum Liner, Add	*19.05*	
		For Stainless Steel Liner, Add	*25.98*	
		For 2" Wall Instead Of 1", Add	*117.72*	
		For 3" To 4" Wall Instead Of 1", Add	*183.47*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	825.98	57.03
		For Aluminum Liner, Add	*37.59*	
		For Stainless Steel Liner, Add	*51.26*	
		For 2" Wall Instead Of 1", Add	*219.29*	
		For 3" To 4" Wall Instead Of 1", Add	*336.07*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	849.30	58.88
		For Aluminum Liner, Add	*38.62*	
		For Stainless Steel Liner, Add	*52.67*	
		For 2" Wall Instead Of 1", Add	*225.37*	
		For 3" To 4" Wall Instead Of 1", Add	*345.41*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	895.95	62.56
		For Aluminum Liner, Add	*40.68*	
		For Stainless Steel Liner, Add	*55.47*	
		For 2" Wall Instead Of 1", Add	*237.53*	
		For 3" To 4" Wall Instead Of 1", Add	*364.10*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	994.16	64.40
		For Aluminum Liner, Add	*45.83*	
		For Stainless Steel Liner, Add	*62.50*	
		For 2" Wall Instead Of 1", Add	*266.07*	
		For 3" To 4" Wall Instead Of 1", Add	*407.15*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,082.95	68.07
		For Aluminum Liner, Add	*50.21*	
		For Stainless Steel Liner, Add	*68.46*	
		For 2" Wall Instead Of 1", Add	*290.87*	
		For 3" To 4" Wall Instead Of 1", Add	*444.81*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,120.14	73.60
		For Aluminum Liner, Add	*51.49*	
		For Stainless Steel Liner, Add	*70.22*	
		For 2" Wall Instead Of 1", Add	*299.27*	
		For 3" To 4" Wall Instead Of 1", Add	*458.10*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,196.80	76.17
		For Aluminum Liner, Add	*55.36*	
		For Stainless Steel Liner, Add	*75.49*	
		For 2" Wall Instead Of 1", Add	*320.98*	
		For 3" To 4" Wall Instead Of 1", Add	*490.98*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,269.79	77.28
		For Aluminum Liner, Add	*59.22*	
		For Stainless Steel Liner, Add	*80.75*	
		For 2" Wall Instead Of 1", Add	*342.32*	
		For 3" To 4" Wall Instead Of 1", Add	*523.14*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,325.78	80.96
		For Aluminum Liner, Add	*61.79*	
		For Stainless Steel Liner, Add	*84.26*	
		For 2" Wall Instead Of 1", Add	*357.28*	
		For 3" To 4" Wall Instead Of 1", Add	*546.04*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,405.19	84.63
		For Aluminum Liner, Add	*65.66*	
		For Stainless Steel Liner, Add	*89.53*	
		For 2" Wall Instead Of 1", Add	*379.27*	
		For 3" To 4" Wall Instead Of 1", Add	*579.47*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,508.00	88.31
		For Aluminum Liner, Add	*70.81*	
		For Stainless Steel Liner, Add	*96.55*	
		For 2" Wall Instead Of 1", Add	*408.27*	
		For 3" To 4" Wall Instead Of 1", Add	*623.44*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,564.01	92.00
		For Aluminum Liner, Add	*73.38*	
		For Stainless Steel Liner, Add	*100.06*	
		For 2" Wall Instead Of 1", Add	*423.24*	
		For 3" To 4" Wall Instead Of 1", Add	*646.35*	
23 51 16 00-0071		**Tees** *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	73.78	21.80
		For Aluminum Liner, Add	*1.06*	
		For Stainless Steel Liner, Add	*1.44*	
		For 2" Wall Instead Of 1", Add	*11.22*	
		For 3" To 4" Wall Instead Of 1", Add	*19.55*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	76.71	22.63
		For Aluminum Liner, Add	*1.11*	
		For Stainless Steel Liner, Add	*1.51*	
		For 2" Wall Instead Of 1", Add	*11.70*	
		For 3" To 4" Wall Instead Of 1", Add	*20.37*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	79.95	23.55
		For Aluminum Liner, Add	*1.16*	
		For Stainless Steel Liner, Add	*1.58*	
		For 2" Wall Instead Of 1", Add	*12.21*	
		For 3" To 4" Wall Instead Of 1", Add	*21.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	84.77	24.56
		For Aluminum Liner, Add	*1.29*	
		For Stainless Steel Liner, Add	*1.76*	
		For 2" Wall Instead Of 1", Add	*13.16*	
		For 3" To 4" Wall Instead Of 1", Add	*22.81*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	96.33	25.57
		For Aluminum Liner, Add	*1.78*	
		For Stainless Steel Liner, Add	*2.42*	
		For 2" Wall Instead Of 1", Add	*16.09*	
		For 3" To 4" Wall Instead Of 1", Add	*27.34*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	102.45	26.77
		For Aluminum Liner, Add	*1.96*	
		For Stainless Steel Liner, Add	*2.67*	
		For 2" Wall Instead Of 1", Add	*17.36*	
		For 3" To 4" Wall Instead Of 1", Add	*29.39*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	166.53	28.06
		For Aluminum Liner, Add	*5.30*	
		For Stainless Steel Liner, Add	*7.23*	
		For 2" Wall Instead Of 1", Add	*35.94*	
		For 3" To 4" Wall Instead Of 1", Add	*57.42*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	189.67	29.44
		For Aluminum Liner, Add	*6.39*	
		For Stainless Steel Liner, Add	*8.71*	
		For 2" Wall Instead Of 1", Add	*42.19*	
		For 3" To 4" Wall Instead Of 1", Add	*66.96*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	270.88	32.75
		For Aluminum Liner, Add	*10.40*	
		For Stainless Steel Liner, Add	*14.18*	
		For 2" Wall Instead Of 1", Add	*64.91*	
		For 3" To 4" Wall Instead Of 1", Add	*101.46*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	359.73	36.80
		For Aluminum Liner, Add	*14.73*	
		For Stainless Steel Liner, Add	*20.08*	
		For 2" Wall Instead Of 1", Add	*89.53*	
		For 3" To 4" Wall Instead Of 1", Add	*138.89*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	442.18	42.04
		For Aluminum Liner, Add	*18.54*	
		For Stainless Steel Liner, Add	*25.28*	
		For 2" Wall Instead Of 1", Add	*111.63*	
		For 3" To 4" Wall Instead Of 1", Add	*172.70*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	583.89	51.97
		For Aluminum Liner, Add	*24.97*	
		For Stainless Steel Liner, Add	*34.06*	
		For 2" Wall Instead Of 1", Add	*149.21*	
		For 3" To 4" Wall Instead Of 1", Add	*230.30*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	736.18	67.89
		For Aluminum Liner, Add	*31.15*	
		For Stainless Steel Liner, Add	*42.48*	
		For 2" Wall Instead Of 1", Add	*186.91*	
		For 3" To 4" Wall Instead Of 1", Add	*288.85*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	839.47	71.75
		For Aluminum Liner, Add	*36.30*	
		For Stainless Steel Liner, Add	*49.51*	
		For 2" Wall Instead Of 1", Add	*215.96*	
		For 3" To 4" Wall Instead Of 1", Add	*332.91*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,129.54	77.28
		For Aluminum Liner, Add	*51.49*	
		For Stainless Steel Liner, Add	*70.22*	
		For 2" Wall Instead Of 1", Add	*300.21*	
		For 3" To 4" Wall Instead Of 1", Add	*459.98*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,253.98	80.32
		For Aluminum Liner, Add	*57.93*	
		For Stainless Steel Liner, Add	*79.00*	
		For 2" Wall Instead Of 1", Add	*336.06*	
		For 3" To 4" Wall Instead Of 1", Add	*514.12*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,358.51	84.63
		For Aluminum Liner, Add	*63.08*	
		For Stainless Steel Liner, Add	*86.02*	
		For 2" Wall Instead Of 1", Add	*365.24*	
		For 3" To 4" Wall Instead Of 1", Add	*558.43*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,554.90	88.31
		For Aluminum Liner, Add	*73.38*	
		For Stainless Steel Liner, Add	*100.06*	
		For 2" Wall Instead Of 1", Add	*422.33*	
		For 3" To 4" Wall Instead Of 1", Add	*644.53*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,587.58	92.00
		For Aluminum Liner, Add	*74.67*	
		For Stainless Steel Liner, Add	*101.82*	
		For 2" Wall Instead Of 1", Add	*430.28*	
		For 3" To 4" Wall Instead Of 1", Add	*656.91*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,837.11	98.16
		For Aluminum Liner, Add	*87.54*	
		For Stainless Steel Liner, Add	*119.37*	
		For 2" Wall Instead Of 1", Add	*502.04*	
		For 3" To 4" Wall Instead Of 1", Add	*765.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,891.16	110.40
		For Aluminum Liner, Add	*88.83*	
		For Stainless Steel Liner, Add	*121.13*	
		For 2" Wall Instead Of 1", Add	*512.13*	
		For 3" To 4" Wall Instead Of 1", Add	*782.00*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,070.99	126.21
		For Aluminum Liner, Add	*96.55*	
		For Stainless Steel Liner, Add	*131.66*	
		For 2" Wall Instead Of 1", Add	*558.20*	
		For 3" To 4" Wall Instead Of 1", Add	*853.07*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,287.34	147.19
		For Aluminum Liner, Add	*105.56*	
		For Stainless Steel Liner, Add	*143.95*	
		For 2" Wall Instead Of 1", Add	*612.60*	
		For 3" To 4" Wall Instead Of 1", Add	*937.31*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,496.85	165.59
		For Aluminum Liner, Add	*114.58*	
		For Stainless Steel Liner, Add	*156.24*	
		For 2" Wall Instead Of 1", Add	*666.33*	
		For 3" To 4" Wall Instead Of 1", Add	*1,020.17*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,721.35	171.12
		For Aluminum Liner, Add	*126.16*	
		For Stainless Steel Liner, Add	*172.04*	
		For 2" Wall Instead Of 1", Add	*730.91*	
		For 3" To 4" Wall Instead Of 1", Add	*1,117.74*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,875.74	176.63
		For Aluminum Liner, Add	*133.89*	
		For Stainless Steel Liner, Add	*182.57*	
		For 2" Wall Instead Of 1", Add	*774.43*	
		For 3" To 4" Wall Instead Of 1", Add	*1,183.72*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	39.26	12.79
		For Aluminum Liner, Add	*0.40*	
		For Stainless Steel Liner, Add	*0.54*	
		For 2" Wall Instead Of 1", Add	*5.38*	
		For 3" To 4" Wall Instead Of 1", Add	*9.67*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	41.11	13.43
		For Aluminum Liner, Add	*0.42*	
		For Stainless Steel Liner, Add	*0.57*	
		For 2" Wall Instead Of 1", Add	*5.64*	
		For 3" To 4" Wall Instead Of 1", Add	*10.13*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	50.05	14.72
		For Aluminum Liner, Add	*0.73*	
		For Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*7.66*	
		For 3" To 4" Wall Instead Of 1", Add	*13.32*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	54.10	16.38
		For Aluminum Liner, Add	*0.73*	
		For Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*8.06*	
		For 3" To 4" Wall Instead Of 1", Add	*14.13*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	62.76	17.29
		For Aluminum Liner, Add	*1.07*	
		For Stainless Steel Liner, Add	*1.46*	
		For 2" Wall Instead Of 1", Add	*10.18*	
		For 3" To 4" Wall Instead Of 1", Add	*17.43*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	71.75	18.40
		For Aluminum Liner, Add	*1.42*	
		For Stainless Steel Liner, Add	*1.93*	
		For 2" Wall Instead Of 1", Add	*12.33*	
		For 3" To 4" Wall Instead Of 1", Add	*20.79*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	142.89	20.98
		For Aluminum Liner, Add	*4.97*	
		For Stainless Steel Liner, Add	*6.78*	
		For 2" Wall Instead Of 1", Add	*32.36*	
		For 3" To 4" Wall Instead Of 1", Add	*51.17*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	251.07	26.31
		For Aluminum Liner, Add	*10.20*	
		For Stainless Steel Liner, Add	*13.90*	
		For 2" Wall Instead Of 1", Add	*62.18*	
		For 3" To 4" Wall Instead Of 1", Add	*96.56*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	443.99	31.55
		For Aluminum Liner, Add	*20.08*	
		For Stainless Steel Liner, Add	*27.39*	
		For 2" Wall Instead Of 1", Add	*117.43*	
		For 3" To 4" Wall Instead Of 1", Add	*180.08*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	728.35	44.16
		For Aluminum Liner, Add	*33.99*	
		For Stainless Steel Liner, Add	*46.35*	
		For 2" Wall Instead Of 1", Add	*196.42*	
		For 3" To 4" Wall Instead Of 1", Add	*300.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,052.42	46.46
		For Aluminum Liner, Add	*51.49*	
		For Stainless Steel Liner, Add	*70.22*	
		For 2" Wall Instead Of 1", Add	*292.50*	
		For 3" To 4" Wall Instead Of 1", Add	*444.55*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,175.96	49.04
		For Aluminum Liner, Add	*57.93*	
		For Stainless Steel Liner, Add	*79.00*	
		For 2" Wall Instead Of 1", Add	*328.26*	
		For 3" To 4" Wall Instead Of 1", Add	*498.52*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,323.68	51.97
		For Aluminum Liner, Add	*65.66*	
		For Stainless Steel Liner, Add	*89.53*	
		For 2" Wall Instead Of 1", Add	*371.12*	
		For 3" To 4" Wall Instead Of 1", Add	*563.17*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,402.01	55.19
		For Aluminum Liner, Add	*69.52*	
		For Stainless Steel Liner, Add	*94.80*	
		For 2" Wall Instead Of 1", Add	*392.99*	
		For 3" To 4" Wall Instead Of 1", Add	*596.39*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,481.42	58.88
		For Aluminum Liner, Add	*73.38*	
		For Stainless Steel Liner, Add	*100.06*	
		For 2" Wall Instead Of 1", Add	*414.98*	
		For 3" To 4" Wall Instead Of 1", Add	*629.83*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,585.44	63.11
		For Aluminum Liner, Add	*78.53*	
		For Stainless Steel Liner, Add	*107.09*	
		For 2" Wall Instead Of 1", Add	*444.11*	
		For 3" To 4" Wall Instead Of 1", Add	*674.04*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	18.02	6.90
		For Aluminum Liner, Add	*0.05*	
		For Stainless Steel Liner, Add	*0.06*	
		For 2" Wall Instead Of 1", Add	*1.97*	
		For 3" To 4" Wall Instead Of 1", Add	*3.81*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	23.02	8.83
		For Aluminum Liner, Add	*0.05*	
		For Stainless Steel Liner, Add	*0.06*	
		For 2" Wall Instead Of 1", Add	*2.47*	
		For 3" To 4" Wall Instead Of 1", Add	*4.82*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	30.73	11.87
		For Aluminum Liner, Add	*0.06*	
		For Stainless Steel Liner, Add	*0.08*	
		For 2" Wall Instead Of 1", Add	*3.28*	
		For 3" To 4" Wall Instead Of 1", Add	*6.41*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	38.29	14.72
		For Aluminum Liner, Add	*0.08*	
		For Stainless Steel Liner, Add	*0.11*	
		For 2" Wall Instead Of 1", Add	*4.13*	
		For 3" To 4" Wall Instead Of 1", Add	*8.03*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	53.52	19.87
		For Aluminum Liner, Add	*0.21*	
		For Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*6.12*	
		For 3" To 4" Wall Instead Of 1", Add	*11.66*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	67.06	24.66
		For Aluminum Liner, Add	*0.30*	
		For Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*7.79*	
		For 3" To 4" Wall Instead Of 1", Add	*14.77*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	82.80	29.44
		For Aluminum Liner, Add	*0.51*	
		For Stainless Steel Liner, Add	*0.69*	
		For 2" Wall Instead Of 1", Add	*10.12*	
		For 3" To 4" Wall Instead Of 1", Add	*18.86*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	103.87	34.96
		For Aluminum Liner, Add	*0.91*	
		For Stainless Steel Liner, Add	*1.24*	
		For 2" Wall Instead Of 1", Add	*13.68*	
		For 3" To 4" Wall Instead Of 1", Add	*24.89*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	129.71	38.63
		For Aluminum Liner, Add	*1.82*	
		For Stainless Steel Liner, Add	*2.48*	
		For 2" Wall Instead Of 1", Add	*19.60*	
		For 3" To 4" Wall Instead Of 1", Add	*34.22*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	46.23	16.38
		For Aluminum Liner, Add	*0.30*	
		For Stainless Steel Liner, Add	*0.40*	
		For 2" Wall Instead Of 1", Add	*5.70*	
		For 3" To 4" Wall Instead Of 1", Add	*10.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	50.25	17.29
		For Aluminum Liner, Add	*0.38*	
		For Stainless Steel Liner, Add	*0.52*	
		For 2" Wall Instead Of 1", Add	*6.41*	
		For 3" To 4" Wall Instead Of 1", Add	*11.78*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	60.64	19.60
		For Aluminum Liner, Add	*0.64*	
		For Stainless Steel Liner, Add	*0.87*	
		For 2" Wall Instead Of 1", Add	*8.39*	
		For 3" To 4" Wall Instead Of 1", Add	*15.03*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	72.45	22.63
		For Aluminum Liner, Add	*0.87*	
		For Stainless Steel Liner, Add	*1.19*	
		For 2" Wall Instead Of 1", Add	*10.42*	
		For 3" To 4" Wall Instead Of 1", Add	*18.46*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	104.90	24.56
		For Aluminum Liner, Add	*2.39*	
		For Stainless Steel Liner, Add	*3.27*	
		For 2" Wall Instead Of 1", Add	*19.20*	
		For 3" To 4" Wall Instead Of 1", Add	*31.87*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	122.11	26.77
		For Aluminum Liner, Add	*3.04*	
		For Stainless Steel Liner, Add	*4.14*	
		For 2" Wall Instead Of 1", Add	*23.26*	
		For 3" To 4" Wall Instead Of 1", Add	*38.23*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	141.48	29.44
		For Aluminum Liner, Add	*3.73*	
		For Stainless Steel Liner, Add	*5.09*	
		For 2" Wall Instead Of 1", Add	*27.72*	
		For 3" To 4" Wall Instead Of 1", Add	*45.27*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	166.14	32.75
		For Aluminum Liner, Add	*4.63*	
		For Stainless Steel Liner, Add	*6.32*	
		For 2" Wall Instead Of 1", Add	*33.47*	
		For 3" To 4" Wall Instead Of 1", Add	*54.29*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	237.16	36.80
		For Aluminum Liner, Add	*7.98*	
		For Stainless Steel Liner, Add	*10.88*	
		For 2" Wall Instead Of 1", Add	*52.74*	
		For 3" To 4" Wall Instead Of 1", Add	*83.71*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	270.59	49.04
		For Aluminum Liner, Add	*8.14*	
		For Stainless Steel Liner, Add	*11.09*	
		For 2" Wall Instead Of 1", Add	*56.65*	
		For 3" To 4" Wall Instead Of 1", Add	*91.10*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	344.99	63.11
		For Aluminum Liner, Add	*10.30*	
		For Stainless Steel Liner, Add	*14.04*	
		For 2" Wall Instead Of 1", Add	*71.95*	
		For 3" To 4" Wall Instead Of 1", Add	*115.81*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	408.69	73.60
		For Aluminum Liner, Add	*12.36*	
		For Stainless Steel Liner, Add	*16.85*	
		For 2" Wall Instead Of 1", Add	*85.81*	
		For 3" To 4" Wall Instead Of 1", Add	*137.91*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	18.74	6.90
		For Aluminum Liner, Add	*0.09*	
		For Stainless Steel Liner, Add	*0.12*	
		For 2" Wall Instead Of 1", Add	*2.18*	
		For 3" To 4" Wall Instead Of 1", Add	*4.14*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	23.86	8.83
		For Aluminum Liner, Add	*0.10*	
		For Stainless Steel Liner, Add	*0.13*	
		For 2" Wall Instead Of 1", Add	*2.74*	
		For 3" To 4" Wall Instead Of 1", Add	*5.22*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	27.98	10.30
		For Aluminum Liner, Add	*0.12*	
		For Stainless Steel Liner, Add	*0.17*	
		For 2" Wall Instead Of 1", Add	*3.24*	
		For 3" To 4" Wall Instead Of 1", Add	*6.15*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	32.10	11.77
		For Aluminum Liner, Add	*0.15*	
		For Stainless Steel Liner, Add	*0.20*	
		For 2" Wall Instead Of 1", Add	*3.74*	
		For 3" To 4" Wall Instead Of 1", Add	*7.09*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	40.34	14.72
		For Aluminum Liner, Add	*0.19*	
		For Stainless Steel Liner, Add	*0.27*	
		For 2" Wall Instead Of 1", Add	*4.74*	
		For 3" To 4" Wall Instead Of 1", Add	*8.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	55.24	19.87
		For Aluminum Liner, Add	*0.31*	
		For Stainless Steel Liner, Add	*0.42*	
		For 2" Wall Instead Of 1", Add	*6.64*	
		For 3" To 4" Wall Instead Of 1", Add	*12.44*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	68.32	24.66
		For Aluminum Liner, Add	*0.37*	
		For Stainless Steel Liner, Add	*0.50*	
		For 2" Wall Instead Of 1", Add	*8.17*	
		For 3" To 4" Wall Instead Of 1", Add	*15.33*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	84.93	29.44
		For Aluminum Liner, Add	*0.62*	
		For Stainless Steel Liner, Add	*0.85*	
		For 2" Wall Instead Of 1", Add	*10.76*	
		For 3" To 4" Wall Instead Of 1", Add	*19.82*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	107.90	34.96
		For Aluminum Liner, Add	*1.13*	
		For Stainless Steel Liner, Add	*1.54*	
		For 2" Wall Instead Of 1", Add	*14.89*	
		For 3" To 4" Wall Instead Of 1", Add	*26.71*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	139.80	38.63
		For Aluminum Liner, Add	*2.38*	
		For Stainless Steel Liner, Add	*3.24*	
		For 2" Wall Instead Of 1", Add	*22.62*	
		For 3" To 4" Wall Instead Of 1", Add	*38.76*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	28.33	8.65
		For 2" Wall Instead Of 1", Add	*4.18*	
		For 3" To 4" Wall Instead Of 1", Add	*7.34*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	30.80	9.20
		For 2" Wall Instead Of 1", Add	*4.67*	
		For 3" To 4" Wall Instead Of 1", Add	*8.15*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	33.79	9.84
		For 2" Wall Instead Of 1", Add	*5.23*	
		For 3" To 4" Wall Instead Of 1", Add	*9.07*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	60.95	17.94
		For 2" Wall Instead Of 1", Add	*9.31*	
		For 3" To 4" Wall Instead Of 1", Add	*16.21*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.17	20.98
		For 2" Wall Instead Of 1", Add	*10.86*	
		For 3" To 4" Wall Instead Of 1", Add	*18.92*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	83.36	23.73
		For 2" Wall Instead Of 1", Add	*13.14*	
		For 3" To 4" Wall Instead Of 1", Add	*22.67*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	61.76	17.94
		For 2" Wall Instead Of 1", Add	*9.55*	
		For 3" To 4" Wall Instead Of 1", Add	*16.57*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	73.12	20.98
		For 2" Wall Instead Of 1", Add	*11.45*	
		For 3" To 4" Wall Instead Of 1", Add	*19.79*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.62	23.73
		For 2" Wall Instead Of 1", Add	*13.52*	
		For 3" To 4" Wall Instead Of 1", Add	*23.24*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	98.81	27.23
		For 2" Wall Instead Of 1", Add	*16.02*	
		For 3" To 4" Wall Instead Of 1", Add	*27.43*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	100.08	27.23
		For 2" Wall Instead Of 1", Add	*16.40*	
		For 3" To 4" Wall Instead Of 1", Add	*28.00*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	114.96	31.28
		For 2" Wall Instead Of 1", Add	*18.85*	
		For 3" To 4" Wall Instead Of 1", Add	*32.18*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	130.69	35.05
		For 2" Wall Instead Of 1", Add	*21.69*	
		For 3" To 4" Wall Instead Of 1", Add	*36.91*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	36.06	8.83
		For 2" Wall Instead Of 1", Add	*6.39*	
		For 3" To 4" Wall Instead Of 1", Add	*10.69*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	54.09	11.87
		For 2" Wall Instead Of 1", Add	*10.29*	
		For 3" To 4" Wall Instead Of 1", Add	*16.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	31.12	8.83
		For 2" Wall Instead Of 1", Add	*4.90*	
		For 3" To 4" Wall Instead Of 1", Add	*8.46*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	49.44	11.87
		For 2" Wall Instead Of 1", Add	*8.90*	
		For 3" To 4" Wall Instead Of 1", Add	*14.83*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	23.86	8.83
		For 2" Wall Instead Of 1", Add	*2.74*	
		For 3" To 4" Wall Instead Of 1", Add	*5.22*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	27.98	10.30
		For 2" Wall Instead Of 1", Add	*3.24*	
		For 3" To 4" Wall Instead Of 1", Add	*6.15*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	32.10	11.77
		For 2" Wall Instead Of 1", Add	*3.74*	
		For 3" To 4" Wall Instead Of 1", Add	*7.09*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	67.05	9.84
		For 316 Stainless Steel, Add	*6.80*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*4.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*8.50*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	80.19	11.32
		For 316 Stainless Steel, Add	*8.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*5.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*10.37*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	88.72	12.23
		For 316 Stainless Steel, Add	*9.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*5.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*11.62*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	99.66	13.34
		For 316 Stainless Steel, Add	*10.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*6.62*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*13.24*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	111.26	13.98
		For 316 Stainless Steel, Add	*12.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.62*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.24*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	117.45	14.72
		For 316 Stainless Steel, Add	*12.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*16.12*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	129.36	15.54
		For 316 Stainless Steel, Add	*14.49*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.12*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	165.06	24.56
		For 316 Stainless Steel, Add	*16.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.74*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	202.71	27.60
		For 316 Stainless Steel, Add	*21.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.74*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	227.24	29.44
		For 316 Stainless Steel, Add	*24.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.74*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	254.11	32.66
		For 316 Stainless Steel, Add	*27.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.48*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	281.86	35.32
		For 316 Stainless Steel, Add	*30.99*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*38.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	321.73	40.20
		For 316 Stainless Steel, Add	*35.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.23*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.26	46.55
		For 316 Stainless Steel, Add	*41.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.98*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	291.93	20.33
		For 316 Stainless Steel, Add	*48.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*24.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*48.23*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	322.69	22.63
		For 316 Stainless Steel, Add	*53.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.22*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	366.24	24.56
		For 316 Stainless Steel, Add	*60.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*60.97*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	412.96	26.77
		For 316 Stainless Steel, Add	*69.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*69.22*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	476.17	28.06
		For 316 Stainless Steel, Add	*81.21*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*81.21*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	523.37	29.44
		For 316 Stainless Steel, Add	*89.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*44.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*89.96*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	602.20	31.00
		For 316 Stainless Steel, Add	*104.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.95*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	709.89	49.04
		For 316 Stainless Steel, Add	*117.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*58.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*117.44*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	868.89	55.19
		For 316 Stainless Steel, Add	*146.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*146.18*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,046.76	58.88
		For 316 Stainless Steel, Add	*179.91*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*89.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*179.91*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,369.56	63.02
		For 316 Stainless Steel, Add	*242.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*242.38*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,558.33	73.60
		For 316 Stainless Steel, Add	*274.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*137.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*274.87*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,262.18	80.32
		For 316 Stainless Steel, Add	*412.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*206.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*412.30*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,813.30	88.31
		For 316 Stainless Steel, Add	*518.50*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*259.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*518.50*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	200.22	19.60
		For 316 Stainless Steel, Add	*30.24*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.24*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	228.99	22.63
		For 316 Stainless Steel, Add	*34.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.48*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	253.78	24.56
		For 316 Stainless Steel, Add	*38.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*38.48*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	288.03	26.77
		For 316 Stainless Steel, Add	*44.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.23*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	322.48	28.06
		For 316 Stainless Steel, Add	*50.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*50.48*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	359.70	29.44
		For 316 Stainless Steel, Add	*57.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.22*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	401.04	31.00
		For 316 Stainless Steel, Add	*64.72*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*64.72*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	492.49	49.04
		For 316 Stainless Steel, Add	*73.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*36.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*73.96*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	612.76	55.19
		For 316 Stainless Steel, Add	*94.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*94.95*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	684.43	58.88
		For 316 Stainless Steel, Add	*107.45*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*53.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*107.45*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	876.05	63.02
		For 316 Stainless Steel, Add	*143.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.68*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,152.28	73.60
		For 316 Stainless Steel, Add	*193.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*96.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*193.66*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,512.54	80.32
		For 316 Stainless Steel, Add	*262.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*131.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*262.37*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,001.21	88.31
		For 316 Stainless Steel, Add	*356.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*178.04*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*356.08*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	220.06	24.56
		For 316 Stainless Steel, Add	*34.91*	
		For Tee Cap, Add	*53.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.73*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	249.29	26.77
		For 316 Stainless Steel, Add	*40.13*	
		For Tee Cap, Add	*59.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*36.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	283.73	28.06
		For 316 Stainless Steel, Add	*47.00*	
		For Tee Cap, Add	*67.26*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.73*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	323.46	29.44
		For 316 Stainless Steel, Add	*54.97*	
		For Tee Cap, Add	*75.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*24.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*49.98*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.63	32.75
		For 316 Stainless Steel, Add	*64.87*	
		For Tee Cap, Add	*87.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.97*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	423.03	36.80
		For 316 Stainless Steel, Add	*72.84*	
		For Tee Cap, Add	*98.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*66.22*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	492.37	42.04
		For 316 Stainless Steel, Add	*85.21*	
		For Tee Cap, Add	*114.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*77.46*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	567.17	51.97
		For 316 Stainless Steel, Add	*96.20*	
		For Tee Cap, Add	*132.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*87.46*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	727.48	73.60
		For 316 Stainless Steel, Add	*119.57*	
		For Tee Cap, Add	*173.09*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*108.70*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.35	80.32
		For 316 Stainless Steel, Add	*148.43*	
		For Tee Cap, Add	*205.17*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*134.94*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,145.35	88.31
		For 316 Stainless Steel, Add	*203.40*	
		For Tee Cap, Add	*262.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*92.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*184.91*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,276.21	98.16
		For 316 Stainless Steel, Add	*226.77*	
		For Tee Cap, Add	*292.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*103.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*206.15*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,023.45	147.19
		For 316 Stainless Steel, Add	*364.20*	
		For Tee Cap, Add	*459.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*165.55*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*331.09*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,534.36	176.63
		For 316 Stainless Steel, Add	*460.41*	
		For Tee Cap, Add	*573.11*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*209.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*418.55*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	391.38	19.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.47*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	427.64	22.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	467.45	24.56
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*81.21*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	516.66	26.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*44.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*89.96*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	576.11	28.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*50.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*101.20*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	635.82	29.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.45*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	708.40	31.00
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.10*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*126.19*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	834.81	49.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*142.43*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,025.07	55.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*177.41*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,146.73	58.88
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*99.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*199.90*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,307.19	63.11
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*114.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*229.89*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,495.87	73.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*131.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*262.37*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,887.37	80.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*168.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*337.34*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,282.32	88.31
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*206.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*412.30*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	269.01	22.63
		For 316 Stainless Steel, Add	*21.24*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	294.28	26.77
		For 316 Stainless Steel, Add	*22.74*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	322.20	29.44
		For 316 Stainless Steel, Add	*24.86*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	349.20	32.75
		For 316 Stainless Steel, Add	*26.74*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	437.68	34.68
		For 316 Stainless Steel, Add	*35.11*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	396.83	36.80
		For 316 Stainless Steel, Add	*30.49*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	426.76	39.28
		For 316 Stainless Steel, Add	*32.86*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	490.33	55.19
		For 316 Stainless Steel, Add	*35.23*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	551.09	63.02
		For 316 Stainless Steel, Add	*39.36*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	625.77	67.89
		For 316 Stainless Steel, Add	*45.60*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	696.12	73.50
		For 316 Stainless Steel, Add	*51.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	782.88	88.22
		For 316 Stainless Steel, Add	*56.22*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	988.60	98.06
		For 316 Stainless Steel, Add	*74.34*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,212.85	110.31
		For 316 Stainless Steel, Add	*93.71*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	183.21	12.79
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	193.72	13.98
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	207.96	14.72
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	217.39	15.45
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	238.42	15.92
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.46	16.28
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	311.89	16.83
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	399.97	31.55
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	497.20	33.95
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	588.08	35.32
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	716.71	36.80
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	812.55	40.20
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,017.24	42.04
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,291.09	44.16

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	199.37	12.79
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	229.96	13.98
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	265.40	14.72
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	303.57	15.45
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	352.08	15.92
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	398.20	16.38
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	441.85	16.83
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	541.06	31.55
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	640.88	33.95
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	694.23	35.32
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	785.37	36.80
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	912.40	40.11
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,104.63	42.04
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,278.53	44.16

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	304.94	23.55
		For 316 Stainless Steel, Add	*49.23*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.72	28.06
		For 316 Stainless Steel, Add	*53.72*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	372.27	31.00
		For 316 Stainless Steel, Add	*58.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	398.87	34.59
		For 316 Stainless Steel, Add	*62.47*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	443.08	36.80
		For 316 Stainless Steel, Add	*70.22*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	470.46	39.28
		For 316 Stainless Steel, Add	*74.46*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	505.04	42.13
		For 316 Stainless Steel, Add	*79.96*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	571.99	58.88
		For 316 Stainless Steel, Add	*84.96*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.63	67.98
		For 316 Stainless Steel, Add	*94.95*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	739.97	73.60
		For 316 Stainless Steel, Add	*111.20*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.36	80.32
		For 316 Stainless Steel, Add	*134.94*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,020.08	98.16
		For 316 Stainless Steel, Add	*154.93*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,487.88	110.40
		For 316 Stainless Steel, Add	*242.38*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,813.05	125.48
		For 316 Stainless Steel, Add	*299.86*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	59.56	9.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*3.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*7.00*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	71.28	10.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*4.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*9.00*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	80.81	11.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*5.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*10.49*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	106.79	12.23
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.62*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.24*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	135.93	13.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.49*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	170.07	14.08
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.99*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	127.16	19.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.62*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	139.99	20.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*17.49*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	156.55	22.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.00*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.99*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	191.30	24.56
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.99*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	225.56	26.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.73*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	259.97	28.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.98*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	107.65	19.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*5.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*11.71*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	118.11	20.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*6.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*13.12*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	131.57	22.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*14.99*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	158.81	24.56
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.49*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	185.88	26.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.80*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	212.53	28.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.49*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	196.46	19.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.49*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	244.94	20.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*38.48*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	273.98	22.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.48*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	367.40	24.56
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.22*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	497.89	26.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.10*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*86.21*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	632.26	28.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.45*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	94.02	19.60
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	101.26	20.98
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	116.55	22.63
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	141.98	24.56
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	167.46	26.77
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	195.00	28.06

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	108.39	19.60
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	119.99	20.98
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	130.27	22.63
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	155.70	24.56
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	188.76	26.77
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	222.46	27.97

23 51 16 00-0354 Vent Top Caps *(23 51 16 00-0311)*

23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	99.02	19.60
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	120.61	20.98
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	147.78	22.63
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	225.07	24.56
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	300.57	26.77
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	377.42	28.06

23 51 16 00-0361 Roof Support Assemblies *(23 51 16 00-0311)*

23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	138.30	19.60
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	153.10	20.98
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	165.88	22.63
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	205.00	24.56
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	240.56	26.77
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	289.97	28.06

23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories *(23 51 16)*

23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination *(23 51 16 00-0368)*

23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	155.97	37.48
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	167.54	37.48

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)* Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	33.03	11.38
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	36.96	11.98
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	42.09	13.31
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	51.73	15.65
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	39.33	13.05
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	46.19	13.73
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	55.67	15.26
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	68.27	17.95
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	62.28	17.25
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	72.15	18.16
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	88.23	20.18
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	112.80	23.74
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	92.30	25.47
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	104.10	26.81
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	132.16	29.79
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	169.49	35.05
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	40.69	13.82
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	46.58	14.56
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	56.22	15.09
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	64.14	15.71
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	40.69	13.82
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	46.58	14.56
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	56.22	15.09
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	64.14	15.71
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	40.69	13.82
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	46.58	14.56
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	56.22	15.09
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	64.14	15.71
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	40.69	13.82
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	46.58	14.56
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	55.64	15.09
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	65.56	15.71
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	112.43	20.75
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	138.59	21.84
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	160.75	22.63
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	175.11	23.55
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	46.30	13.82
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	62.91	14.56
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	72.04	15.09
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	95.06	15.71
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	50.57	14.20
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	54.91	14.82
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	91.42	15.39
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	64.97	14.20
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	53.73	14.82
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	122.17	15.39
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	50.57	14.20
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	54.91	14.82
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	110.59	15.39
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	65.93	20.75
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	73.03	21.84
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	104.73	22.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	111.42	23.55
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	163.33	22.63
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	213.02	28.29
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	137.57	23.55
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	200.22	29.44
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	199.27	14.82
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	229.55	15.39
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	85.37	20.75
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	101.06	21.84
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	114.21	22.63
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	128.82	23.55
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	140.51	22.63
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	153.99	23.55
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	45.90	6.92
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	57.88	7.27
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	68.06	7.55
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	87.58	7.85
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	93.78	20.75
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	112.73	21.84
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	128.68	22.63
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	152.61	23.55
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	113.30	13.82
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	101.49	14.56
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	124.97	15.09
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	244.60	14.56
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	260.88	15.09
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	303.30	15.71
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	70.62	13.82
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	74.22	13.82
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	77.83	13.82
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	81.43	13.82
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	76.04	14.56
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	79.65	14.56
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	83.25	14.56
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	86.86	14.56
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	84.58	15.09
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	88.19	15.09
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	91.79	15.09
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	74.19	13.82
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	92.99	14.56
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	89.28	20.75
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	114.00	21.84
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	132.71	22.63
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	145.31	23.55
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	34.76	11.98
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	40.93	13.31
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	41.39	13.73
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	50.48	15.26
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	60.81	18.16
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	85.07	26.81
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	101.35	29.79
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	37.65	11.98
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	47.38	13.73
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	74.82	18.16
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	41.84	13.82
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	48.02	14.56
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	58.07	15.09
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	41.30	13.82
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	47.66	14.56
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	57.43	15.09
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	25.59	6.92
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	29.34	7.27
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	32.48	7.55
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	58.88	7.27
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	67.33	7.85
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	13.00	3.46
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	12.60	3.64

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	13.00	3.77
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	19.25	3.92
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	23.71	5.19
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	27.46	5.45
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	31.45	5.65
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	22.71	5.19
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	22.96	5.65
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	27.35	5.89
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	18.26	5.45
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	38.20	13.82
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	41.69	14.56
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	44.53	15.09
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	49.03	15.71
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.31	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.59	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	3.50	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	5.79	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	11.13	3.46
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	12.43	3.64
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	13.29	3.77
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	14.55	3.92
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	49.51	6.92
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	50.88	7.27
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	39.10	7.55
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	42.54	5.19
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	43.95	5.45
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	57.99	5.65
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	96.01	5.89

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe *(23 51 16 00-0372)*

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	7.85	1.22
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	6.89	1.22
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	9.61	1.44
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	8.41	1.44
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.68	1.77
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	11.82	1.77

23 51 16 00-0538 Polypropylene Flue/Vent Couplers *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	58.46	13.82
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	64.48	13.82
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	123.09	14.56
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	217.96	15.09
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	66.25	13.82
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	145.08	14.56
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	362.16	15.09

23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations *(23 51 16 00-0372)*

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	74.24	13.82
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	69.66	14.56
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	84.39	15.09

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,126.86	511.47
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	8,835.53	596.72
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	9,674.22	639.35
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	10,878.86	681.97
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,051.23	724.59
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,159.15	809.84
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,267.07	895.09
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	16,761.34	937.71
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	17,244.83	980.33
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,119.97	1,065.58
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,173.93	1,108.20
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	25,317.89	1,195.82
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	26,463.76	1,284.39
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	28,664.45	1,372.97
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	30,996.78	1,505.84
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	32,699.88	1,550.13
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	34,402.99	1,594.42
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	35,567.92	1,638.71

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	36,732.85	1,683.00
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	39,277.97	1,771.58
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	41,823.11	1,860.15
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	44,279.65	1,904.44
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	49,749.98	1,948.73
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	53,479.09	2,037.32
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	54,840.24	2,125.89
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	61,133.53	2,258.76
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	62,906.16	2,391.63
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	64,678.79	2,524.50
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	69,465.19	2,657.36
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	71,579.78	2,745.94
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	74,517.33	2,923.11
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	77,239.62	3,100.26
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	85,128.38	3,277.42
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	90,003.37	3,454.58
23 52 13 00-0036		Packaged Electric Hot Water Boiler *(23 52 13)*		
		Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.		
23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	5,463.66	468.85
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	5,878.06	511.47
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	6,292.47	554.09
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	6,649.28	596.72
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	7,014.30	639.35
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	7,371.10	681.97
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	7,785.51	724.59
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	8,364.49	767.22
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	8,721.30	809.84
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	9,069.88	852.46
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	9,648.86	895.09
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	10,145.56	937.71
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	10,930.27	980.33
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	11,344.68	1,022.95
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	11,800.23	1,065.58
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	12,971.69	1,108.20
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	14,241.39	1,195.82
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	15,504.78	1,284.39
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	16,776.38	1,372.97
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	18,128.35	1,505.84
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	19,399.97	1,594.42
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	20,441.18	1,683.00
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	21,393.80	1,727.29
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	22,749.64	1,771.58
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	24,128.24	1,860.15
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	25,444.88	1,860.15
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	27,837.57	1,904.44
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	29,201.65	1,948.73
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	30,654.30	2,037.32
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	32,018.37	2,081.61
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	33,382.45	2,125.89
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	34,471.08	2,258.76
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	36,382.62	2,391.63
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	42,737.82	2,524.50
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	46,953.47	2,657.36
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	49,105.59	2,745.94
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	51,517.15	2,923.11
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	53,928.72	3,100.26
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	60,207.91	3,277.42
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	64,182.99	3,454.58
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	65,923.66	3,543.15
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	67,664.33	3,631.73
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	67,930.06	3,764.60
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	72,880.04	3,853.18
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	76,272.79	3,986.05
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	81,741.67	4,251.79
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	87,482.53	4,694.68
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	93,729.79	5,226.15
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	99,730.14	5,757.62

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	10,755.54	340.98
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	10,093.26	450.10
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	10,765.39	506.36

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	11,497.03	562.62
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	14,886.97	562.62
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	17,426.39	681.97
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	23,363.80	731.41
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	32,704.20	900.20
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	39,987.60	984.59
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	57,717.26	1,153.38
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	63,602.66	1,237.77
23 52 16 13-0013		**Buderus SB615 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	14,027.10	731.41
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	14,575.44	731.41
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	16,466.91	900.20
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	17,904.57	1,012.72
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	19,781.03	1,068.98
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	22,534.78	1,153.38
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	26,689.84	1,237.77
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	28,250.37	1,350.30
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	32,447.29	1,406.56
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	37,365.64	1,490.96
23 52 16 13-0025		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0026	EA	165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	6,900.40	506.36
23 52 16 13-0027	EA	226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	8,957.28	562.62
23 52 16 13-0028		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0029	EA	324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	11,790.40	675.15
23 52 16 13-0030	EA	406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	14,526.59	681.97
23 52 16 13-0031	EA	493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	17,029.82	731.41
23 52 16 13-0032	EA	574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	19,464.38	731.41
23 52 16 13-0033	EA	654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	22,393.32	815.81
23 52 16 13-0034		**Lochinvar SYNC Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0035	EA	941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	30,599.43	984.59
23 52 16 13-0036	EA	1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	34,817.75	1,068.98
23 52 16 13-0037	EA	1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	37,396.46	1,153.38
23 52 16 13-0038		**Lochinvar Crest Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0039	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	37,041.35	1,068.98
23 52 16 13-0040	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	44,305.62	1,181.51
23 52 16 13-0041	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	57,678.71	1,294.03
23 52 16 13-0042	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	63,550.77	1,362.23
23 52 16 13-0043	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	75,361.11	1,362.23
23 52 16 13-0044		**Laars Neotherm Stainless Steel Condensing Boiler** *(23 52 16 13)* Note: Compliant with SCAQMD.		
23 52 16 13-0045	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	6,442.56	337.57
23 52 16 13-0046	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	7,280.88	365.70
23 52 16 13-0047	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	8,346.83	506.36
23 52 16 13-0048	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	9,295.84	562.62
23 52 16 13-0049	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	11,758.67	562.62
23 52 16 13-0050	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	14,818.14	675.15
23 52 16 13-0051	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	19,050.15	731.41
23 52 16 13-0052	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	20,297.18	731.41
23 52 16 13-0053	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	22,113.08	843.94
23 52 16 13-0054	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	23,890.81	956.46
23 52 16 13-0055	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	34,310.55	1,012.72
23 52 16 13-0056	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	45,623.07	1,181.51

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0057	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150)	8,947.20	506.36
23 52 16 13-0058	EA	199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199)	10,547.50	562.62
23 52 16 13-0059	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285)	13,392.07	562.62
23 52 16 13-0060	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399)	16,327.76	675.15
23 52 16 13-0061	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500)	20,389.73	731.41
23 52 16 13-0062	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600)	21,083.81	731.41
23 52 16 13-0063	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750)	23,298.80	843.94
23 52 16 13-0064	EA	800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800)	24,999.74	900.20
23 52 16 13-0065	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000)	34,310.55	1,012.72
23 52 16 13-0066	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700)	45,623.07	1,181.51
23 52 16 13-0067		AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0068	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	33,967.15	1,153.38
23 52 16 13-0069	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	40,265.96	1,237.77
23 52 16 13-0070	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	57,681.32	1,362.23
23 52 16 13-0071	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	61,434.55	1,362.23
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,195.41	340.98
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,660.55	365.70
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,593.30	506.36
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	7,396.94	562.62
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,466.89	675.15
23 52 16 16-0007		Patterson Kelly Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	14,925.99	562.62
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	16,983.67	681.97
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	19,234.97	852.46
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	28,502.97	956.46
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	29,774.73	1,012.72
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	46,202.99	1,153.38
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	50,032.07	1,237.77
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	57,920.02	1,350.30
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	71,631.57	1,350.30
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	87,635.28	1,490.96
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	3,315.02	340.98
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	3,767.05	365.70
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	4,388.35	450.10
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	4,996.81	562.62
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	221.06	85.25
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	263.10	85.25
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	465.38	85.25
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	4,661.82	562.62
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	5,682.00	675.15
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	10,447.52	801.74

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	9,854.74	801.74
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	12,189.50	815.81
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	11,596.72	815.81
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	14,185.14	956.46
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	16,904.68	1,012.72
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	17,422.55	1,068.98
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	17,659.96	1,068.98
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	20,821.28	1,068.98
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,058.69	1,068.98
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	302.17	85.25

23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers *(23 52 16 16)*

Note: Includes standard controls.

23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	8,272.85	562.62
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	9,277.94	681.97
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	10,880.22	731.41
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	12,500.71	815.81
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	14,852.34	900.20
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	16,387.54	984.59
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	268.03	42.62
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	152.27	42.62
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	199.18	42.62
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	373.43	42.62

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	34,803.16	1,068.98
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	39,240.99	1,181.51
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	42,939.89	1,237.77
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	46,508.06	1,350.30

23 52 16 23 Cast Iron Condensing Boilers *(23 52 16)*

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	11,832.70	562.62
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	17,178.01	681.97
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	28,017.67	731.41
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	36,996.64	1,012.72
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	49,291.28	1,181.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	53,759.28	1,237.77
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	68,383.27	1,350.30
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	74,643.88	1,350.30

23 52 23 Cast-Iron Boilers *(23 52)*

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	12,914.41	2,606.81
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	14,086.65	2,780.61
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	15,366.81	2,954.39
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	16,559.43	3,128.18
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	17,663.15	3,301.96
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	19,162.86	3,475.76
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	20,328.81	3,649.54
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	21,260.74	3,823.33
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	22,189.33	3,997.12
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	23,256.91	4,170.91

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	8,818.71	354.32
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	9,792.48	354.32
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	11,230.33	442.89
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	12,223.23	442.89
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	13,484.85	531.47
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	14,797.98	531.47
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	16,120.04	620.05
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	17,208.45	708.63
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	17,940.54	708.63
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	19,162.88	797.21

23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	13,483.37	2,606.81
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,757.31	2,780.61
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	15,976.04	2,954.39
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,333.81	3,128.18
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,458.68	3,301.96
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,087.28	3,475.76
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,122.32	3,649.54
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,129.78	3,823.33
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,059.38	3,997.12
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,154.15	4,170.91

23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	9,387.66	354.32
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	10,463.14	354.32
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	11,839.57	442.89
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	12,997.62	442.89
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	14,280.38	531.47
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	15,722.40	531.47
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	16,913.55	620.05
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	18,077.49	708.63
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	18,810.59	708.63
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	20,060.12	797.21

23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler *(23 52 23)*

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	20,803.87	3,910.23
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	22,922.21	4,149.19
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	25,534.04	4,388.14
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	27,840.37	4,627.10
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	29,851.33	4,866.05
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	32,746.28	5,105.01
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	34,775.68	5,343.97
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	36,576.06	5,582.93
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	38,965.20	5,821.89
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	40,895.24	6,060.85
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	44,154.34	6,299.80
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	45,992.87	6,538.76
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	47,940.24	6,777.72
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	50,105.29	7,016.68
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	51,874.76	7,255.64

23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	16,134.13	620.05
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	18,301.04	708.63
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	20,973.47	797.21
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	23,318.62	885.79
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	25,022.46	885.79
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	27,968.79	974.36
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	29,693.78	974.36
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	31,542.50	1,062.94
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	33,627.99	1,062.94
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	35,606.63	1,151.53
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	37,523.79	1,240.11

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	39,058.46	1,240.11
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	41,055.17	1,328.68
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	42,915.10	1,328.68
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	44,754.71	1,417.26
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	21,504.75	3,910.23
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	23,619.05	4,149.19
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	26,412.14	4,388.14
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	28,807.09	4,627.10
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	30,719.36	4,866.05
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	33,559.93	5,105.01
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	35,997.17	5,343.97
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	37,797.56	5,582.93
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	40,162.52	5,821.89
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	42,607.14	6,060.85
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	45,952.84	6,299.80
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	48,396.58	6,538.76
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	49,737.73	6,777.72
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	51,848.41	7,016.68
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	53,637.01	7,255.64
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	16,835.00	620.05
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	18,997.89	708.63
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	21,841.50	797.21
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	24,285.34	885.79
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	25,892.51	885.79
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	28,782.44	974.36
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	30,915.27	974.36
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	32,763.99	1,062.94
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	34,825.32	1,062.94
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	37,323.56	1,151.53
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	39,322.29	1,240.11
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	40,455.17	1,240.11
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	42,852.67	1,328.68
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	44,658.22	1,328.68
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	46,496.82	1,417.26
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	55,892.96	7,603.21
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	60,549.37	8,037.68
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	64,807.68	8,472.16
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	68,978.25	8,906.63
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	73,187.31	9,341.09
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	78,652.60	9,775.56
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	82,622.15	10,210.03
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	86,465.23	10,644.50
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	92,679.51	11,078.97
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	96,520.41	11,513.44
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	99,824.31	11,947.91
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	105,824.25	12,382.38
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	109,696.45	12,816.84
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	115,833.17	13,251.31
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	119,905.96	13,685.79
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	124,356.54	14,120.26
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	128,188.19	14,554.73
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	132,128.10	14,989.20

23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	49,231.33	1,151.53
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	53,691.17	1,240.11
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	57,750.23	1,328.68
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	61,724.67	1,417.26
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	65,380.08	1,417.26
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	69,259.98	1,505.84
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	72,676.73	1,505.84
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	76,321.89	1,594.42
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	81,984.25	1,594.42
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	85,628.38	1,683.00
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	88,379.50	1,683.00
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	94,183.75	1,771.58
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	97,502.83	1,771.58
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	103,460.15	1,860.15
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	106,961.49	1,860.15
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	111,212.88	1,948.73
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	114,492.68	1,948.73
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	118,234.50	2,037.32

23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	52,888.08	7,603.21
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	57,544.48	8,037.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	63,194.47	8,472.16
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	67,001.51	8,906.63
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	70,962.84	9,341.09
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	76,151.21	9,775.56
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	80,308.06	10,210.03
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	84,153.16	10,644.50
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	91,086.44	11,078.97
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	94,928.34	11,513.44
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	98,768.98	11,947.91
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	105,831.30	12,382.38
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	109,703.50	12,816.84
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	116,002.34	13,251.31
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	120,074.13	13,685.79
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	124,438.11	14,120.26
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	128,269.76	14,554.73
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	132,215.71	14,989.20
23 52 23 00-0169		Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	46,063.31	1,151.53
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	50,523.15	1,240.11
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	55,973.88	1,328.68
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	59,584.80	1,417.26
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	62,992.49	1,417.26
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	66,595.46	1,505.84
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	70,199.51	1,505.84
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	73,844.67	1,594.42
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	80,228.04	1,594.42
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	83,871.16	1,683.00
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	87,161.03	1,683.00
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	94,027.67	1,771.58
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	97,346.74	1,771.58
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	103,446.06	1,860.15
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	106,966.53	1,860.15
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	111,131.32	1,948.73
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	114,411.11	1,948.73
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	118,158.98	2,037.32
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	56,837.53	7,603.21
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	61,494.94	8,037.68
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	66,011.05	8,472.16
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	70,283.33	8,906.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	74,469.22	9,341.09
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	79,125.89	9,775.56
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	84,194.07	10,210.03
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	88,284.88	10,644.50
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	94,657.26	11,078.97
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	98,498.16	11,513.44
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	101,872.55	11,947.91
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	107,940.97	12,382.38
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	112,820.16	12,816.84
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	119,496.64	13,251.31
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	123,539.22	13,685.79
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	128,177.10	14,120.26
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	132,009.76	14,554.73
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	135,952.69	14,989.20

23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	50,249.41	1,151.53
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	54,710.26	1,240.11
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	59,030.12	1,328.68
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	63,104.26	1,417.26
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	66,736.51	1,417.26
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	69,806.78	1,505.84
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	74,322.17	1,505.84
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	78,214.04	1,594.42
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	84,036.51	1,594.42
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	87,678.63	1,683.00
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	90,501.25	1,683.00
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	96,373.98	1,771.58
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	100,701.06	1,771.58
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	107,178.00	1,860.15
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	110,669.27	1,860.15
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	115,106.95	1,948.73
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	118,387.76	1,948.73
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	122,133.60	2,037.32

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	6,895.67	506.36
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	7,589.66	562.62
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	8,725.00	675.15
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,110.69	703.28
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	13,056.38	843.94
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	16,038.35	1,012.72
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	18,202.01	1,068.98
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	20,155.76	1,153.38
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	21,968.39	1,209.64

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	23,560.95	1,237.77
23 52 33 13-0012		**Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler** *(23 52 33 13)*		
23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	23,910.17	1,012.72
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	29,839.76	1,153.38
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,798.36	1,237.77
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	44,919.81	1,406.56
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	47,136.60	1,575.34
23 52 33 13-0018		**Lochinvar Copper-Fin II Finned Tube Boiler** *(23 52 33 13)*		
23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	8,068.04	454.37
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	9,703.54	567.74
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	10,470.34	681.97
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	10,743.07	681.97
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	13,331.51	852.46
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	15,333.11	852.46
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	16,657.15	852.46
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	18,037.32	1,022.95
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	21,320.43	1,193.44
		For High And Low Gas Pressure Switch With Manual Reset, Add	*285.94*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*253.31*	
23 52 33 13-0028		**Raypak Cupro-Nickel Finned-Tube Boiler With Pump** *(23 52 33 13)*		
23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	7,924.39	624.51
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	8,538.72	562.62
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	9,459.84	675.15
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	10,050.63	766.45
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	11,164.62	843.94
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	12,002.64	908.38
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	13,702.22	1,012.72
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	15,844.70	1,068.98
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	16,825.66	1,153.38
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	19,973.06	1,181.51
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	20,058.31	1,209.64
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	23,343.45	1,237.77
23 52 33 16		**Steel Water-Tube Boilers** *(23 52 33)*		
23 52 33 16-0001		**Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler** *(23 52 33 16)*		
		Note: Compliant with BAAQMD.		
23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	48,884.19	1,363.93
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	52,690.21	1,704.92
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	53,724.75	1,875.42
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	57,883.35	2,045.91
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	59,956.86	2,301.64
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	66,194.15	2,557.38
23 52 33 16-0008	EA	4,300 MBH Input/3655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	68,967.61	2,642.62
23 52 33 16-0009		**Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler** *(23 52 33 16)*		
		Note: Compliant with BAAQMD.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	57,034.09	1,534.43
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	59,974.85	1,790.16
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	61,704.16	1,960.66
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	68,985.60	2,131.15
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	71,582.18	2,301.64
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	76,604.83	2,557.38
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	81,114.45	2,727.87
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	134,722.26	2,898.36
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	145,821.31	3,068.85
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	153,450.13	3,239.35
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	157,435.03	3,409.84

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	61,371.57	1,534.43
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	65,180.80	1,790.16
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	67,603.67	1,960.66
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	75,058.80	2,131.15
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	77,655.38	2,301.64
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	81,810.77	2,557.38
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	86,490.45	2,727.87
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	139,754.52	2,898.36
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	151,722.03	3,068.85
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	156,574.18	3,239.35
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	163,335.75	3,409.84
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	181,548.95	3,580.33
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	261,968.72	3,750.82
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	275,237.12	3,921.31

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	68,666.27	2,125.89
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	71,777.65	2,303.05
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	75,139.63	2,480.21
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	81,258.65	2,657.36
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	84,871.25	2,834.53
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	88,421.30	3,011.68
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	98,375.09	3,188.84
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,858.95	3,543.15
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	129,606.03	3,897.47
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	142,183.23	4,296.08
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	154,760.52	4,694.68
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	162,621.08	5,491.89
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	198,239.83	6,289.10
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	234,735.82	7,086.31
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	271,597.00	7,972.09
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	307,639.26	8,636.44

23 52 39 Fire-Tube Boilers *(23 52)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13		**Scotch Marine Boilers** *(23 52 39)*		
23 52 39 13-0001		15 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0002		15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,691.25	974.36
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	58,866.48	1,062.94
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,937.14	1,151.53
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,771.66	1,328.68
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,959.21	1,417.26
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,227.84	1,505.84
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,488.57	1,550.13
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,699.91	1,594.42
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,122.05	1,771.58
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,424.61	1,948.73
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,343.05	2,148.04
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,259.68	2,347.34
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,884.41	2,745.94
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,797.56	3,144.55
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,707.35	3,543.15
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,880.30	3,941.76
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	242,886.60	4,340.36
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	284,233.50	4,738.97
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,818.53	5,137.58
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	361,809.54	5,536.18
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	398,207.70	5,934.79
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,155.07	6,333.39
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,670.35	974.36
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,542.94	1,062.94
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,237.64	1,151.53
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,523.42	1,328.68
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,307.44	1,417.26
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	70,087.32	1,505.84
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,696.44	1,550.13
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,912.84	1,594.42
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,207.27	1,771.58
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,517.35	1,948.73
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,445.81	2,148.04
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,372.46	2,347.34
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	129,002.21	2,745.94
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,942.93	3,144.55

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,862.75	3,543.15
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,065.77	3,941.76
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	243,112.17	4,340.36
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	284,499.18	4,738.97
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	324,121.81	5,137.58
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	362,150.41	5,536.18
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	398,581.16	5,934.79
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,563.61	6,333.39
23 52 39 13-0048		15 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,451.11	974.36
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	60,758.81	1,062.94
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,989.89	1,151.53
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,323.17	1,328.68
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,305.20	1,417.26
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,283.09	1,505.84
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,087.70	1,550.13
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,892.95	1,594.42
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,671.12	1,771.58
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,464.93	1,948.73
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,774.36	2,148.04
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,079.48	2,347.34
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,919.77	2,745.94
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,958.29	3,144.55
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,349.31	3,543.15
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,745.38	3,941.76
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	252,518.69	4,340.36
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	295,562.43	4,738.97
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	336,771.61	5,137.58
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	376,316.58	5,536.18
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,201.04	5,934.79
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	450,572.04	6,333.39
23 52 39 13-0071		150 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072		150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,250.82	1,062.94
23 52 39 13-0074	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,735.09	1,151.53
23 52 39 13-0075	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,208.74	1,328.68
23 52 39 13-0076	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,245.96	1,417.26
23 52 39 13-0077	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,389.32	1,505.84
23 52 39 13-0078	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,276.65	1,550.13

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0079	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,698.58	1,594.42
23 52 39 13-0080	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,035.67	1,771.58
23 52 39 13-0081	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,812.10	1,948.73
23 52 39 13-0082	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,467.52	2,148.04
23 52 39 13-0083	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,121.14	2,347.34
23 52 39 13-0084	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,254.73	2,745.94
23 52 39 13-0085	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,065.54	3,144.55
23 52 39 13-0086	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,351.38	3,543.15
23 52 39 13-0087	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,118.85	3,941.76
23 52 39 13-0088	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	310,551.88	4,340.36
23 52 39 13-0089	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	363,809.20	4,738.97
23 52 39 13-0090	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,800.85	5,137.58
23 52 39 13-0091	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	463,709.74	5,536.18
23 52 39 13-0092	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	510,552.07	5,934.79
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	555,484.93	6,333.39
23 52 39 13-0094		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,628.96	1,062.94
23 52 39 13-0096	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,626.99	1,151.53
23 52 39 13-0097	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,283.77	1,328.68
23 52 39 13-0098	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,799.66	1,417.26
23 52 39 13-0099	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,308.90	1,505.84
23 52 39 13-0100	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,644.88	1,550.13
23 52 39 13-0101	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,372.64	1,594.42
23 52 39 13-0102	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,143.45	1,771.58
23 52 39 13-0103	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,934.91	1,948.73
23 52 39 13-0104	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,602.87	2,148.04
23 52 39 13-0105	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,269.02	2,347.34
23 52 39 13-0106	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,407.62	2,745.94
23 52 39 13-0107	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,253.52	3,144.55
23 52 39 13-0108	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,554.39	3,543.15
23 52 39 13-0109	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,359.46	3,941.76
23 52 39 13-0110	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	310,845.13	4,340.36
23 52 39 13-0111	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	364,155.08	4,738.97
23 52 39 13-0112	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,194.36	5,137.58
23 52 39 13-0113	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	464,150.87	5,536.18
23 52 39 13-0114	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	511,038.31	5,934.79
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	556,016.29	6,333.39
23 52 39 13-0116		**150 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,709.60	1,062.94
23 52 39 13-0118	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,404.41	1,151.53
23 52 39 13-0119	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,524.70	1,328.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0120	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,296.25	1,417.26
23 52 39 13-0121	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,061.14	1,505.84
23 52 39 13-0122	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,655.28	1,550.13
23 52 39 13-0123	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,247.53	1,594.42
23 52 39 13-0124	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,647.45	1,771.58
23 52 39 13-0125	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,065.51	1,948.73
23 52 39 13-0126	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,227.23	2,148.04
23 52 39 13-0127	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,389.65	2,347.34
23 52 39 13-0128	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	170,801.45	2,745.94
23 52 39 13-0129	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,073.49	3,144.55
23 52 39 13-0130	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,985.92	3,543.15
23 52 39 13-0131	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,342.45	3,941.76
23 52 39 13-0132	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,076.36	4,340.36
23 52 39 13-0133	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	378,536.80	4,738.97
23 52 39 13-0134	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,638.85	5,137.58
23 52 39 13-0135	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	482,567.89	5,536.18
23 52 39 13-0136	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	531,342.66	5,934.79
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	578,125.24	6,333.39

23 52 39 13-0138 125 PSI Water Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0139 125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0138)*

23 52 39 13-0140	EA	40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	64,769.05	1,062.94
23 52 39 13-0141	EA	50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,694.51	1,151.53
23 52 39 13-0142	EA	60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,073.02	1,328.68
23 52 39 13-0143	EA	70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,927.38	1,417.26
23 52 39 13-0144	EA	80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,905.43	1,505.84
23 52 39 13-0145	EA	90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,667.54	1,550.13
23 52 39 13-0146	EA	100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	101,946.71	1,594.42
23 52 39 13-0147	EA	125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,358.67	1,771.58
23 52 39 13-0148	EA	150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,214.98	1,948.73
23 52 39 13-0149	EA	175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,794.95	2,148.04
23 52 39 13-0150	EA	200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	131,247.63	2,347.34
23 52 39 13-0151	EA	250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	158,906.07	2,745.94
23 52 39 13-0152	EA	300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,029.65	3,144.55
23 52 39 13-0153	EA	350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	199,393.15	3,543.15
23 52 39 13-0154	EA	400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	222,475.49	3,941.76
23 52 39 13-0155	EA	500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	269,695.05	4,340.36
23 52 39 13-0156	EA	600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	315,761.51	4,738.97
23 52 39 13-0157	EA	700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,865.58	5,137.58
23 52 39 13-0158	EA	800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	402,182.63	5,536.18
23 52 39 13-0159	EA	900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	442,718.86	5,934.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,626.34	6,333.39
23 52 39 13-0161		**125 PSI Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	59,976.82	1,062.94
23 52 39 13-0163	EA	50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	67,300.73	1,151.53
23 52 39 13-0164	EA	60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,408.71	1,328.68
23 52 39 13-0165	EA	70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,701.64	1,417.26
23 52 39 13-0166	EA	80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,987.92	1,505.84
23 52 39 13-0167	EA	90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,100.93	1,550.13
23 52 39 13-0168	EA	100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,615.76	1,594.42
23 52 39 13-0169	EA	125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,461.44	1,771.58
23 52 39 13-0170	EA	150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,325.26	1,948.73
23 52 39 13-0171	EA	175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,912.75	2,148.04
23 52 39 13-0172	EA	200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	131,370.44	2,347.34
23 52 39 13-0173	EA	250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,053.95	2,745.94
23 52 39 13-0174	EA	300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,202.59	3,144.55
23 52 39 13-0175	EA	350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	199,578.63	3,543.15
23 52 39 13-0176	EA	400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	222,683.52	3,941.76
23 52 39 13-0177	EA	500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	269,948.20	4,340.36
23 52 39 13-0178	EA	600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	316,059.77	4,738.97
23 52 39 13-0179	EA	700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,206.45	5,137.58
23 52 39 13-0180	EA	800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	402,563.61	5,536.18
23 52 39 13-0181	EA	900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	443,137.43	5,934.79
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	482,082.50	6,333.39
23 52 39 13-0183		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,864.40	1,062.94
23 52 39 13-0185	EA	50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,050.52	1,151.53
23 52 39 13-0186	EA	60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,093.23	1,328.68
23 52 39 13-0187	EA	70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,784.67	1,417.26
23 52 39 13-0188	EA	80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,471.98	1,505.84
23 52 39 13-0189	EA	90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,986.01	1,550.13
23 52 39 13-0190	EA	100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,500.68	1,594.42
23 52 39 13-0191	EA	125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,727.33	1,771.58
23 52 39 13-0192	EA	150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,972.13	1,948.73
23 52 39 13-0193	EA	175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	131,842.84	2,148.04
23 52 39 13-0194	EA	200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,453.42	2,347.34
23 52 39 13-0195	EA	250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	165,224.71	2,745.94
23 52 39 13-0196	EA	300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	192,395.96	3,144.55
23 52 39 13-0197	EA	350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	207,303.35	3,543.15
23 52 39 13-0198	EA	400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	231,305.54	3,941.76
23 52 39 13-0199	EA	500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	280,475.08	4,340.36
23 52 39 13-0200	EA	600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	328,438.88	4,738.97

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0201	EA	700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	374,360.09	5,137.58
23 52 39 13-0202	EA	800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	418,414.08	5,536.18
23 52 39 13-0203	EA	900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	460,614.56	5,934.79
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	501,111.09	6,333.39

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,437.70	1,065.82
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,858.79	1,255.64
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,187.23	1,299.63
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,357.39	1,347.32
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,678.02	1,439.92
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,601.97	1,560.30
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,645.85	1,666.79
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	11,048.56	1,898.29
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	12,125.81	2,037.19
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	13,051.49	2,176.09

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	5,789.76	908.68
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	6,106.98	1,065.82
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	6,845.33	1,255.64
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,359.91	1,299.63
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,503.06	1,347.32
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	8,941.82	1,439.92
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,430.06	1,560.30
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,772.05	1,666.79
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,911.92	1,784.94
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,878.69	1,898.29
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	14,847.30	2,037.19
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	16,013.34	2,176.09

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	7,311.57	1,255.64
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	9,406.01	1,438.53
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	12,255.07	1,646.41
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,692.03	1,899.22
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	15,605.81	2,037.19
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,485.02	2,176.09
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,395.89	2,500.28
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	23,563.68	2,870.77
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	30,332.87	3,317.10
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	38,187.62	3,807.69
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	48,589.78	4,380.88

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	18,592.89	740.80
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	19,028.97	787.10
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	19,527.49	833.40
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	21,431.14	879.70
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	25,520.54	926.00
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	26,862.13	972.30

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	860.73	92.00
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,132.00	115.00
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,456.08	137.99

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	860.73	92.00
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,024.41	103.50
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,121.00	115.00
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,178.00	126.50
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,456.08	137.99

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	152.11	22.91
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	173.37	25.20
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	188.04	27.49
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	252.20	29.78
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	272.37	32.07

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,303.10	80.50
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,393.09	92.00
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,605.16	103.50
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,880.83	126.50
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,009.33	137.99

23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,443.88	80.50
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,584.47	92.00
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,685.20	103.50
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,829.33	115.00
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,991.92	126.50
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,103.92	137.99

23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,278.85	80.50
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,467.83	92.00
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,603.81	115.00
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,715.81	126.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0020		**Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,659.46	80.50
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,753.85	92.00
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,953.83	103.50
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,144.81	126.50
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,300.80	137.99
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,168.90	80.50
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,238.00	92.00
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,381.88	103.50
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,392.88	103.50
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,521.36	115.00
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,608.07	126.50
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,707.95	137.99
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	831.23	80.50
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	912.43	92.00
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,042.01	103.50
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,043.11	103.50
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,146.30	115.00
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,183.50	126.50
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,313.09	137.99
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	842.23	80.50
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	915.73	92.00
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,091.51	103.50
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,202.39	115.00
23 54 16 13-0047		**75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,376.93	69.00
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,594.42	86.29
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,250.45	69.00
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	1,337.24	74.79
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	1,330.54	80.50
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	1,373.40	86.29
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	1,419.67	86.29
23 54 16 13-0055		**Gas Fired Indoor Duct Furnace** *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		**Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace** *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,548.45	179.40
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,733.63	220.79
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,995.78	317.38
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,251.37	358.78
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,622.33	413.98
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,899.22	496.77
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,347.40	662.37

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
		Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,725.31	179.40
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,907.85	220.79
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,235.11	317.38
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,533.82	358.78
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,109.81	413.98
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,428.05	496.77
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,847.19	662.37
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)*		
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace	2,207.01	92.00
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace	2,369.19	126.50
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace	2,737.26	149.49
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace	2,573.77	126.50
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	2,612.98	149.49
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,239.40	126.50
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,658.07	149.49
		Note: Blower cooling capacity up to 5 tons.		
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	141.48	23.00
23 54 19 00-0002	EA	1" Furnace External Filter Rack	41.69	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace	425.91	
		Note: Includes storage and cleaning. Excludes ductwork.		
23 55		Fuel-Fired Heaters *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)*		
		Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*		
		Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	628.45	92.60
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	704.46	101.86
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	747.30	101.86
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	932.45	122.23
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	939.67	122.23
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*		
		Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	715.41	101.19
		For Stainless Steel Housing, Add	*102.19*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	759.43	101.19
		For Stainless Steel Housing, Add	*113.20*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	809.74	101.19
		For Stainless Steel Housing, Add	*125.77*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	870.22	101.19
		For Stainless Steel Housing, Add	*140.89*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	945.38	110.40
		For Stainless Steel Housing, Add	*157.00*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,007.78	119.59
		For Stainless Steel Housing, Add	*169.07*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,575.99	128.79
		For Stainless Steel Housing, Add	*301.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	63.52	4.63
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	73.38	5.55
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	89.42	6.48
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	51.75	3.70
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	65.65	4.63
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	79.55	5.55
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 00-0001		Gas Fired Unit Heaters *(23 55 33)*		
23 55 33 00-0002		Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt *(23 55 33 00-0001)*		
23 55 33 00-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,400.70	159.84
23 55 33 00-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,538.92	191.81
23 55 33 00-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,561.56	191.81
23 55 33 00-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,710.70	223.77
23 55 33 00-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,885.15	255.74
23 55 33 00-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,022.21	271.72
23 55 33 00-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,079.31	271.72
23 55 33 00-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,030.37	271.72
23 55 33 00-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,402.15	287.71
23 55 33 00-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,625.06	287.71
23 55 33 00-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,809.91	287.71
23 55 33 00-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,350.60	319.67
23 55 33 00-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,769.24	319.67
23 55 33 00-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,046.96	351.64
23 55 33 00-0017		Oil Fired Unit Heater *(23 55 33)*		
23 55 33 00-0018		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt *(23 55 33 00-0017)*		
23 55 33 00-0019	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,529.98	426.23
23 55 33 00-0020	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,935.90	468.85
23 55 33 00-0021	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,378.44	511.47
23 55 33 00-0022		Removal And Reinstallation Of Unit Heaters *(23 55 33)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0023	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	532.45	
23 55 33 00-0024	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	717.64	
23 57		Heat Exchangers for HVAC *(23 50)*		
23 57 13		**Steam-To-Steam Heat Exchangers** *(23 57)*		
23 57 13 00-0001		Steam Generator Heat Exchanger *(23 57 13)* Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI	12,924.35	1,481.59
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	17,212.65	1,574.19
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI	23,101.01	1,934.61
23 57 16		**Steam-To-Water Heat Exchangers** *(23 57)*		
23 57 16 00-0001		Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)* Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,495.03	231.50
		For Bronze Head And Tube Sheet, Add	*533.86*	
		For Copper Nickel Tubes, Add	*118.64*	
		For Double Wall Tube Bundles, Add	*177.95*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,166.88	231.50
		For Bronze Head And Tube Sheet, Add	*808.42*	
		For Copper Nickel Tubes, Add	*179.65*	
		For Double Wall Tube Bundles, Add	*269.47*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,242.45	324.10
		For Bronze Head And Tube Sheet, Add	*1,250.76*	
		For Copper Nickel Tubes, Add	*277.95*	
		For Double Wall Tube Bundles, Add	*416.92*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,162.98	324.10
		For Bronze Head And Tube Sheet, Add	*1,906.64*	
		For Copper Nickel Tubes, Add	*423.70*	
		For Double Wall Tube Bundles, Add	*635.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,784.22	381.51
		For Bronze Head And Tube Sheet, Add	*2,532.02*	
		For Copper Nickel Tubes, Add	*562.67*	
		For Double Wall Tube Bundles, Add	*844.01*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,912.07	479.60
		For Bronze Head And Tube Sheet, Add	*3,325.19*	
		For Copper Nickel Tubes, Add	*738.93*	
		For Double Wall Tube Bundles, Add	*1,108.40*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,029.80	719.86
		For Bronze Head And Tube Sheet, Add	*4,072.59*	
		For Copper Nickel Tubes, Add	*905.02*	
		For Double Wall Tube Bundles, Add	*1,357.53*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,575.18	719.86
		For Bronze Head And Tube Sheet, Add	*6,345.31*	
		For Copper Nickel Tubes, Add	*1,410.07*	
		For Double Wall Tube Bundles, Add	*2,115.10*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	2,351.39	231.50
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	3,088.33	231.50
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	4,102.06	277.80
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	5,530.18	300.95
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	6,036.82	300.95
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	7,833.41	324.10
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	8,247.93	324.10
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	10,182.80	370.40
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	12,440.08	416.69
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	12,900.66	416.69
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	15,958.82	485.90
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	19,235.70	534.41
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	22,190.07	582.90

23 57 19 19 Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,766.19	231.50
		For Copper Nickel Tubes, Add	*145.75*	
		For Double Wall Tube Bundles, Add	*218.63*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,438.05	231.50
		For Copper Nickel Tubes, Add	*206.77*	
		For Double Wall Tube Bundles, Add	*310.15*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,615.31	324.10
		For Copper Nickel Tubes, Add	*315.23*	
		For Double Wall Tube Bundles, Add	*472.85*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,159.38	324.10
		For Copper Nickel Tubes, Add	*454.21*	
		For Double Wall Tube Bundles, Add	*681.31*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,398.03	370.40
		For Copper Nickel Tubes, Add	*559.28*	
		For Double Wall Tube Bundles, Add	*838.92*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,499.61	370.40
		For Copper Nickel Tubes, Add	*752.49*	
		For Double Wall Tube Bundles, Add	*1,128.73*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	10,519.73	359.93
		For Copper Nickel Tubes, Add	*935.53*	
		For Double Wall Tube Bundles, Add	*1,403.29*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	13,074.18	359.93
		For Copper Nickel Tubes, Add	*1,166.02*	
		For Double Wall Tube Bundles, Add	*1,749.03*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,713.82	359.93
		For Copper Nickel Tubes, Add	*1,491.42*	
		For Double Wall Tube Bundles, Add	*2,237.13*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	2,001.94	185.20
		For Copper Nickel Tubes, Add	*163.15*	
		For Double Wall Tube Bundles, Add	*244.73*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	5,231.60	308.64
		For Copper Nickel Tubes, Add	*461.43*	
		For Double Wall Tube Bundles, Add	*692.14*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	7,041.67	402.62
		For Copper Nickel Tubes, Add	*623.79*	
		For Double Wall Tube Bundles, Add	*935.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	7,584.38	487.35
		For Copper Nickel Tubes, Add	*661.17*	
		For Double Wall Tube Bundles, Add	*991.76*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,138.94	571.65
		For Copper Nickel Tubes, Add	*797.72*	
		For Double Wall Tube Bundles, Add	*1,196.58*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	458.10	86.02
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	537.01	86.02
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	724.68	107.49
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	887.44	107.49
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	986.07	107.49
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,000.43	111.83
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,006.18	111.83
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,103.94	120.43
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,186.91	129.04
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,292.87	137.64
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,462.20	137.64
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,637.22	146.24
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,674.17	154.85
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,702.49	159.11
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	2,689.07	832.91
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	3,963.36	951.85
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	5,237.76	1,070.87
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,844.60	1,160.03
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	8,451.71	1,249.36
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	10,142.05	1,499.23
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	12,146.74	1,611.38
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	14,065.71	1,703.67
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	18,339.14	1,922.11
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	21,538.60	1,972.52
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	26,820.11	2,022.84
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	28,143.85	2,048.09
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	29,412.59	2,073.26
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	31,788.14	2,123.58
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	33,947.02	2,174.07
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	36,396.53	2,450.01
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	38,122.48	2,504.84
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	39,597.29	2,536.73
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	40,923.95	2,615.20
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	41,996.83	2,670.03
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	43,096.60	2,743.20
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	44,130.07	2,772.69
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	45,189.04	2,818.58
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	46,474.88	3,008.67
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	47,715.40	3,170.86

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,194.97	86.02
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,238.50	86.02
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,325.05	107.49
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,368.55	107.49
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,390.32	107.49
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,433.75	111.83
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,481.64	111.83
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,590.24	120.43
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,694.52	129.04
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,842.28	137.64
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,929.35	137.64
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,077.13	146.24
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,486.10	154.85
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,734.10	159.11

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,312.24	428.35
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,523.41	535.44
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,084.33	651.85
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,183.41	749.61
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,660.24	832.91
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,351.91	937.02
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,554.73	1,070.87
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	29,250.81	1,070.87
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,185.39	1,249.36
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,791.97	1,338.60
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,109.25	1,402.84
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	44,293.89	1,472.13
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,579.89	1,477.85
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	47,882.55	1,547.38
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	50,213.40	1,611.38

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,074.28	137.47
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,126.56	146.32
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,154.51	154.77
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,177.20	159.19
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,458.74	200.99
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	2,771.43	301.49
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	3,171.49	351.73
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,553.92	401.98
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	4,294.82	482.37
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	5,061.97	542.67
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	5,934.72	602.97
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	8,360.47	803.96
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	9,433.06	1,004.95
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	10,096.04	1,205.94

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	51,497.94	2,048.09
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	53,097.36	2,073.26
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	56,568.77	2,123.58
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	60,001.44	2,174.07
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	64,535.79	2,450.01
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	68,563.54	2,504.84
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	72,519.73	2,536.73
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	76,578.11	2,615.20
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	80,607.91	2,670.03
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	86,292.18	2,743.20
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	90,267.52	2,772.69
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	92,096.92	2,818.58
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	103,504.10	3,008.67
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	114,796.30	3,170.86

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	6,245.27	742.86
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	14,053.10	795.93
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	24,809.30	848.98
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	29,413.34	902.04
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	34,922.12	955.10
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	38,701.82	1,061.23
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	39,816.19	1,199.59
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,862.02	1,402.87
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	45,729.71	1,519.78
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,435.92	1,636.69
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	59,291.11	1,812.05
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	62,671.16	1,882.36
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	70,788.67	2,000.01
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	77,390.14	2,117.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0016		Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*		
		Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	5,953.10	742.86
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	12,390.12	795.93
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	19,429.35	848.98
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	20,988.06	902.04
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	22,546.78	955.10
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	26,739.35	1,061.23
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	30,308.80	1,199.59
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	38,949.16	1,402.87
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	43,695.64	1,519.78
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,324.24	1,636.69
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	54,404.26	1,812.05
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,629.30	1,882.36
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	63,232.19	2,000.01
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	72,145.98	2,117.65
23 62 13 00-0031		Packaged Chiller With Remote Air Cooled Condenser *(23 62 13)*		
		Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	39,748.39	6,816.17
		For Gas Fired Engine Driven, Add	*6,927.77*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	45,008.33	7,184.60
		For Gas Fired Engine Driven, Add	*7,924.52*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	52,378.18	7,818.47
		For Gas Fired Engine Driven, Add	*9,303.45*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	58,674.28	8,307.17
		For Gas Fired Engine Driven, Add	*10,489.41*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	73,657.42	9,166.52
		For Gas Fired Engine Driven, Add	*13,357.19*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	81,423.58	9,493.85
		For Gas Fired Engine Driven, Add	*14,861.34*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	88,509.93	10,224.17
		For Gas Fired Engine Driven, Add	*16,169.12*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	107,975.64	10,939.51
		For Gas Fired Engine Driven, Add	*19,934.53*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	109,257.82	11,146.40
		For Gas Fired Engine Driven, Add	*20,180.43*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	111,161.30	11,631.07
		For Gas Fired Engine Driven, Add	*20,488.47*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	123,556.43	12,159.77
		For Gas Fired Engine Driven, Add	*22,888.23*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	136,906.73	12,738.83
		For Gas Fired Engine Driven, Add	*25,471.48*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	152,008.14	13,375.73
		For Gas Fired Engine Driven, Add	*28,396.27*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	164,475.89	14,079.74
		For Gas Fired Engine Driven, Add	*30,784.28*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	181,697.14	14,861.92
		For Gas Fired Engine Driven, Add	*34,111.25*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001		Water Cooled Condensing Units *(23 62 23)*		
		Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,728.97	592.46
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,159.78	865.24
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,176.57	937.71
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,124.46	1,125.24
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,978.97	1,323.87
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	22,925.67	1,945.97
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	28,426.88	2,348.61
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	39,050.55	2,569.75

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001		Air Cooled Condensing Units *(23 63 13)*		
		Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,861.79	592.46
		For >10 To 25, Deduct	*-118.93*	
		For >25 To 50, Deduct	*-198.22*	
		For >50, Deduct	*-317.16*	
		For Low Ambient Protection, 0 Degree F, Add	*739.71*	
		For Winter Start Control, Add	*248.31*	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,822.94	703.28
		For >10 To 25, Deduct	*-142.72*	
		For >25 To 50, Deduct	*-237.87*	
		For >50, Deduct	*-380.59*	
		For Low Ambient Protection, 0 Degree F, Add	*646.98*	
		For Winter Start Control, Add	*201.71*	
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,569.48	865.24
		For >10 To 25, Deduct	*-187.74*	
		For >25 To 50, Deduct	*-312.90*	
		For >50, Deduct	*-500.64*	
		For Low Ambient Protection, 0 Degree F, Add	*765.93*	
		For Winter Start Control, Add	*256.31*	
23 63 13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,362.04	900.20
		For >10 To 25, Deduct	*-239.94*	
		For >25 To 50, Deduct	*-399.91*	
		For >50, Deduct	*-639.85*	
		For Low Ambient Protection, 0 Degree F, Add	*900.85*	
		For Winter Start Control, Add	*296.36*	
23 63 13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,158.99	937.71
		For >10 To 25, Deduct	*-292.15*	
		For >25 To 50, Deduct	*-486.91*	
		For >50, Deduct	*-779.06*	
		For Low Ambient Protection, 0 Degree F, Add	*939.49*	
		For Winter Start Control, Add	*239.46*	
23 63 13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,380.57	1,125.24
		For >10 To 25, Deduct	*-380.27*	
		For >25 To 50, Deduct	*-633.78*	
		For >50, Deduct	*-1,014.05*	
		For Low Ambient Protection, 0 Degree F, Add	*1,186.77*	
		For Winter Start Control, Add	*297.25*	
23 63 13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	16,359.97	1,210.50
		For >10 To 25, Deduct	*-435.83*	
		For >25 To 50, Deduct	*-726.38*	
		For >50, Deduct	*-1,162.20*	
		For Low Ambient Protection, 0 Degree F, Add	*1,257.13*	
		For Winter Start Control, Add	*328.52*	
23 63 13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	18,761.72	1,321.31
		For >10 To 25, Deduct	*-502.88*	
		For >25 To 50, Deduct	*-838.13*	
		For >50, Deduct	*-1,341.00*	
		For Low Ambient Protection, 0 Degree F, Add	*1,337.93*	
		For Winter Start Control, Add	*367.55*	
23 63 13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,774.93	1,547.93
		For >10 To 25, Deduct	*-701.63*	
		For >25 To 50, Deduct	*-1,169.39*	
		For >50, Deduct	*-1,871.02*	
		For Low Ambient Protection, 0 Degree F, Add	*1,766.19*	
		For Winter Start Control, Add	*472.60*	
23 63 13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	31,297.82	1,945.97
		For >10 To 25, Deduct	*-848.90*	
		For >25 To 50, Deduct	*-1,414.84*	
		For >50, Deduct	*-2,263.74*	
		For Low Ambient Protection, 0 Degree F, Add	*1,882.14*	
		For Winter Start Control, Add	*441.59*	
23 63 13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	36,060.21	2,147.75
		For >10 To 25, Deduct	*-985.06*	
		For >25 To 50, Deduct	*-1,641.77*	
		For >50, Deduct	*-2,626.83*	
		For Low Ambient Protection, 0 Degree F, Add	*2,119.62*	
		For Winter Start Control, Add	*486.66*	
23 63 13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	46,725.61	2,348.61
		For >10 To 25, Deduct	*-1,293.11*	
		For >25 To 50, Deduct	*-2,155.18*	
		For >50, Deduct	*-3,448.29*	
		For Low Ambient Protection, 0 Degree F, Add	*2,629.64*	
		For Winter Start Control, Add	*577.72*	
23 63 13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	64,490.25	2,114.68
		For >10 To 25, Deduct	*-1,805.56*	
		For >25 To 50, Deduct	*-3,009.27*	
		For >50, Deduct	*-4,814.83*	
		For Low Ambient Protection, 0 Degree F, Add	*2,881.77*	
		For Winter Start Control, Add	*731.41*	
23 63 13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	79,482.98	2,186.36
		For >10 To 25, Deduct	*-2,250.97*	
		For >25 To 50, Deduct	*-3,751.61*	
		For >50, Deduct	*-6,002.58*	
		For Low Ambient Protection, 0 Degree F, Add	*3,363.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0016		**Air Cooled Condensing Units** *(23 63 13)* Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017	EA	1.5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,927.89	299.73
		For >10 To 25, Deduct	*-44.35*	
		For >25 To 50, Deduct	*-73.91*	
		For >50, Deduct	*-118.26*	
		For 14 SEER, Add	*310.44*	
		For 16 SEER, Add	*606.10*	
		For 18 SEER, Add	*1,315.68*	
23 63 13 00-0018	EA	2 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,072.04	333.20
		For >10 To 25, Deduct	*-47.17*	
		For >25 To 50, Deduct	*-78.62*	
		For >50, Deduct	*-125.80*	
		For 14 SEER, Add	*330.22*	
		For 16 SEER, Add	*644.72*	
		For 18 SEER, Add	*1,399.51*	
23 63 13 00-0019	EA	2.5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,197.02	366.52
		For >10 To 25, Deduct	*-49.43*	
		For >25 To 50, Deduct	*-82.38*	
		For >50, Deduct	*-131.80*	
		For 14 SEER, Add	*345.98*	
		For 16 SEER, Add	*675.48*	
		For 18 SEER, Add	*1,466.29*	
23 63 13 00-0020	EA	3 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,526.35	399.64
		For >10 To 25, Deduct	*-57.81*	
		For >25 To 50, Deduct	*-96.34*	
		For >50, Deduct	*-154.15*	
		For 14 SEER, Add	*404.65*	
		For 16 SEER, Add	*790.02*	
		For 18 SEER, Add	*1,714.93*	
23 63 13 00-0021	EA	3.5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,673.69	433.17
		For >10 To 25, Deduct	*-60.73*	
		For >25 To 50, Deduct	*-101.21*	
		For >50, Deduct	*-161.94*	
		For 14 SEER, Add	*425.10*	
		For 16 SEER, Add	*829.95*	
		For 18 SEER, Add	*1,801.60*	
23 63 13 00-0022	EA	4 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,982.26	466.48
		For >10 To 25, Deduct	*-68.49*	
		For >25 To 50, Deduct	*-114.14*	
		For >50, Deduct	*-182.63*	
		For 14 SEER, Add	*479.41*	
		For 16 SEER, Add	*935.98*	
		For 18 SEER, Add	*2,031.77*	
23 63 13 00-0023	EA	5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,369.80	499.56
		For >10 To 25, Deduct	*-78.61*	
		For >25 To 50, Deduct	*-131.02*	
		For >50, Deduct	*-209.64*	
		For 14 SEER, Add	*550.30*	
		For 15 SEER, Add	*628.91*	
		For 16 SEER, Add	*1,074.39*	
		For 18 SEER, Add	*2,332.22*	
23 63 13 00-0024		**Removal And Reinstallation Of AC Condensing Unit** *(23 63 13)* Note: Includes storage and cleaning.		
23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	306.65	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	1,149.95	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	1,790.88	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001		**Packaged, Steam Driven, Water Cooled Absorption Chillers** *(23 64 13 16)* Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		99,103.35	5,440.93
		For Two Stage Unit, Add		*65,906.74*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		125,902.62	6,485.23
		For Two Stage Unit, Add		*83,964.86*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		159,663.54	6,658.14
		For Two Stage Unit, Add		*107,486.38*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		176,950.50	6,784.79
		For Two Stage Unit, Add		*119,505.88*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		197,951.73	6,954.85
		For Two Stage Unit, Add		*134,097.45*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		223,666.67	7,365.18
		For Two Stage Unit, Add		*151,834.27*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		239,897.23	7,543.17
		For Two Stage Unit, Add		*163,081.28*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		285,948.65	7,851.55
		For Two Stage Unit, Add		*195,119.13*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		320,483.03	8,080.25
		For Two Stage Unit, Add		*219,146.26*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		394,151.22	11,400.94
		For Two Stage Unit, Add		*268,580.35*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		429,060.28	13,280.90
		For Two Stage Unit, Add		*291,808.76*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		459,619.88	13,871.09
		For Two Stage Unit, Add		*312,821.22*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		491,708.44	14,146.07
		For Two Stage Unit, Add		*335,203.48*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		563,099.37	14,636.31
		For Two Stage Unit, Add		*384,865.52*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		616,200.89	15,084.36
		For Two Stage Unit, Add		*421,751.76*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		724,280.42	18,594.52
		For Two Stage Unit, Add		*495,176.07*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		846,797.35	19,579.71
		For Two Stage Unit, Add		*580,311.68*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		125,781.02	5,085.14
		For 208/230 Volt Motor, Add		*4,704.50*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		137,519.89	5,213.92
		For 208/230 Volt Motor, Add		*5,165.68*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		151,709.53	5,346.46
		For 208/230 Volt Motor, Add		*5,724.85*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		165,552.58	5,560.81
		For 208/230 Volt Motor, Add		*6,264.80*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		179,075.15	5,874.80
		For 208/230 Volt Motor, Add		*6,785.53*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		192,103.19	6,180.24
		For 208/230 Volt Motor, Add		*7,287.03*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		204,702.99	6,519.10
		For 208/230 Volt Motor, Add		*7,769.25*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		216,795.66	6,840.58
		For 208/230 Volt Motor, Add		*8,232.30*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		228,360.80	7,133.72
		For 208/230 Volt Motor, Add		*8,676.06*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		239,346.21	7,365.18
		For 208/230 Volt Motor, Add		*9,100.61*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		250,065.23	7,730.07
		For 208/230 Volt Motor, Add		*9,505.93*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.		260,196.67	8,028.28
		For 208/230 Volt Motor, Add		*9,892.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	269,841.24	8,322.68
		For 208/230 Volt Motor, Add	*10,258.89*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	278,898.60	8,550.66
		For 208/230 Volt Motor, Add	*10,606.53*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	295,324.53	8,853.87
		For 208/230 Volt Motor, Add	*11,244.09*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	309,650.07	9,046.39
		For 208/230 Volt Motor, Add	*11,804.74*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	322,460.79	9,493.54
		For 208/230 Volt Motor, Add	*12,288.44*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	333,359.80	9,947.46
		For 208/230 Volt Motor, Add	*12,695.23*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	342,412.35	10,446.84
		For 208/230 Volt Motor, Add	*13,025.25*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	363,713.98	10,950.85
		For 208/230 Volt Motor, Add	*13,844.93*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	384,865.02	11,453.26
		For 208/230 Volt Motor, Add	*14,658.69*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	405,942.93	12,003.89
		For 208/230 Volt Motor, Add	*15,466.43*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	426,958.03	12,610.13
		For 208/230 Volt Motor, Add	*16,268.08*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	447,473.41	13,140.14
		For 208/230 Volt Motor, Add	*17,063.64*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	485,420.55	15,161.76
		For 208/230 Volt Motor, Add	*18,453.02*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	521,937.99	17,189.13
		For 208/230 Volt Motor, Add	*19,784.84*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	556,401.46	18,831.40
		For 208/230 Volt Motor, Add	*21,058.98*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	588,419.95	19,842.56
		For 208/230 Volt Motor, Add	*22,275.44*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	618,939.96	20,820.66
		For 208/230 Volt Motor, Add	*23,434.07*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	647,436.92	21,424.20
		For 208/230 Volt Motor, Add	*24,535.58*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	675,904.04	22,918.87
		For 208/230 Volt Motor, Add	*25,579.25*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	702,330.62	24,036.85
		For 208/230 Volt Motor, Add	*26,565.24*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	727,843.74	25,487.37
		For 208/230 Volt Motor, Add	*27,493.56*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	751,059.27	26,397.65
		For 208/230 Volt Motor, Add	*28,364.32*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	799,940.06	27,891.87
		For 208/230 Volt Motor, Add	*30,289.04*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	843,324.17	29,565.36
		For 208/230 Volt Motor, Add	*31,853.55*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 00-0001 Packaged Air Cooled Scroll Water Chillers *(23 64 23)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	18,108.19	1,345.48
23 64 23 00-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	26,416.24	1,362.73

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 00-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	28,822.41	1,457.60
23 64 23 00-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	31,697.18	1,561.10
23 64 23 00-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	32,234.78	1,664.60
23 64 23 00-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	34,022.88	1,785.35
23 64 23 00-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	38,872.60	1,931.97
23 64 23 00-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	41,750.25	2,095.85
23 64 23 00-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	44,073.05	2,156.21
23 64 23 00-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	46,030.77	2,251.09
23 64 23 00-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	47,577.39	2,328.71
23 64 23 00-0013	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	54,872.11	2,621.95
23 64 23 00-0014	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	59,079.90	2,872.08
23 64 23 00-0015	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	60,142.99	2,880.70
23 64 23 00-0016	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	63,591.54	2,889.33
23 64 23 00-0017	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	66,947.53	2,897.95
23 64 23 00-0018	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	70,345.21	2,906.58
23 64 23 00-0019	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	73,918.79	2,915.21

23 64 23 00-0020 Packaged Water Cooled Scroll Water Chillers *(23 64 23)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0021	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	38,768.87	1,657.28
23 64 23 00-0022	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	44,765.30	1,707.35
23 64 23 00-0023	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	49,677.27	1,874.32
23 64 23 00-0024	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,008.35	2,373.47
23 64 23 00-0025	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	67,510.32	2,601.08
23 64 23 00-0026	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	70,829.55	2,873.86

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	93,703.62	3,303.32
		For Aluminum Fins Instead Of Copper, Deduct	*-1,331.29*	
		For 208/230 Volt Motor, Add	*3,550.12*	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	100,698.05	3,587.95
		For Aluminum Fins Instead Of Copper, Deduct	*-1,429.87*	
		For 208/230 Volt Motor, Add	*3,812.99*	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	105,932.93	3,743.19
		For Aluminum Fins Instead Of Copper, Deduct	*-1,504.77*	
		For 208/230 Volt Motor, Add	*4,012.73*	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	109,810.09	4,027.81
		For Aluminum Fins Instead Of Copper, Deduct	*-1,556.59*	
		For 208/230 Volt Motor, Add	*4,150.91*	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller	117,876.72	4,226.18
		For Aluminum Fins Instead Of Copper, Deduct	*-1,673.19*	
		For 208/230 Volt Motor, Add	*4,461.84*	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller	125,310.22	4,312.43
		For Aluminum Fins Instead Of Copper, Deduct	*-1,782.62*	
		For 208/230 Volt Motor, Add	*4,753.66*	
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller	132,303.83	4,459.05
		For Aluminum Fins Instead Of Copper, Deduct	*-1,884.29*	
		For 208/230 Volt Motor, Add	*5,024.78*	
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller	136,546.74	4,553.93
		For Aluminum Fins Instead Of Copper, Deduct	*-1,945.74*	
		For 208/230 Volt Motor, Add	*5,188.63*	
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller	144,227.12	4,648.80
		For Aluminum Fins Instead Of Copper, Deduct	*-2,058.74*	
		For 208/230 Volt Motor, Add	*5,489.98*	
23 64 26 13-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller	150,563.28	4,795.42
		For Aluminum Fins Instead Of Copper, Deduct	*-2,150.55*	
		For 208/230 Volt Motor, Add	*5,734.81*	
23 64 26 13-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller	158,787.89	4,985.17
		For Aluminum Fins Instead Of Copper, Deduct	*-2,269.65*	
		For 208/230 Volt Motor, Add	*6,052.41*	
23 64 26 13-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller	166,014.26	5,088.67
		For Aluminum Fins Instead Of Copper, Deduct	*-2,375.85*	
		For 208/230 Volt Motor, Add	*6,335.60*	
23 64 26 13-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller	178,031.49	5,174.92
		For Aluminum Fins Instead Of Copper, Deduct	*-2,554.04*	
		For 208/230 Volt Motor, Add	*6,810.76*	
23 64 26 13-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller	186,020.00	5,226.67
		For Aluminum Fins Instead Of Copper, Deduct	*-2,672.83*	
		For 208/230 Volt Motor, Add	*7,127.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller	194,008.49	5,269.79
		For Aluminum Fins Instead Of Copper, Deduct	*-2,791.62*	
		For 208/230 Volt Motor, Add	*7,444.32*	
23 64 26 13-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller	217,922.22	5,373.29
		For Aluminum Fins Instead Of Copper, Deduct	*-3,148.00*	
		For 208/230 Volt Motor, Add	*8,394.66*	
23 64 26 13-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller	229,948.08	5,476.79
		For Aluminum Fins Instead Of Copper, Deduct	*-3,326.19*	
		For 208/230 Volt Motor, Add	*8,869.83*	
23 64 26 13-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller	245,925.06	5,563.04
		For Aluminum Fins Instead Of Copper, Deduct	*-3,563.77*	
		For 208/230 Volt Motor, Add	*9,503.39*	
23 64 26 13-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller	269,821.54	5,657.91
		For Aluminum Fins Instead Of Copper, Deduct	*-3,920.15*	
		For 208/230 Volt Motor, Add	*10,453.73*	
23 64 26 13-0021	EA	350 Ton Packaged Air Cooled Rotary-Screw Water Chiller	294,268.11	5,726.92
		For Aluminum Fins Instead Of Copper, Deduct	*-4,285.17*	
		For 208/230 Volt Motor, Add	*11,427.11*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	75,605.31	4,010.72
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	82,204.28	4,166.69
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,926.48	4,278.10
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	92,859.40	4,458.58
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	97,796.88	4,581.12
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	103,818.88	4,709.73
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	106,481.46	4,841.38
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	115,459.20	4,972.40
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	124,188.72	5,095.48
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	128,400.17	5,350.30
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	164,780.88	5,608.31
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	166,981.38	5,728.37
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	181,762.55	5,853.68
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	193,185.91	6,121.60
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	203,997.70	6,369.37
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	216,610.63	6,621.69
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	237,778.29	7,208.59
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	254,965.09	7,928.74
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	268,186.07	8,721.97

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 00-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 00-0002 Blow-Thru Centrifugal Fan Type Cooling Towers *(23 65 13 00-0001)*

Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 00-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	12,293.49	1,431.72
		For Stainless Steel Cooling Tower, Add	*6,087.53*	
23 65 13 00-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	16,863.18	1,750.85
		For Stainless Steel Cooling Tower, Add	*8,549.90*	
23 65 13 00-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	21,206.00	2,199.34
		For Stainless Steel Cooling Tower, Add	*10,601.88*	
23 65 13 00-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	24,426.53	2,458.09
		For Stainless Steel Cooling Tower, Add	*12,285.80*	
23 65 13 00-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	27,901.59	2,768.59
		For Stainless Steel Cooling Tower, Add	*14,070.70*	
23 65 13 00-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	31,367.73	3,104.95
		For Stainless Steel Cooling Tower, Add	*15,829.54*	
23 65 13 00-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	35,194.08	3,458.57
		For Stainless Steel Cooling Tower, Add	*17,783.80*	
23 65 13 00-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	38,507.00	3,898.44
		For Stainless Steel Cooling Tower, Add	*19,347.21*	
23 65 13 00-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,985.02	4,329.68
		For Stainless Steel Cooling Tower, Add	*21,014.85*	
23 65 13 00-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	46,119.12	5,123.17
		For Stainless Steel Cooling Tower, Add	*22,734.60*	
23 65 13 00-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	50,164.65	5,675.17
		For Stainless Steel Cooling Tower, Add	*24,623.72*	
23 65 13 00-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	52,870.79	6,037.41
		For Stainless Steel Cooling Tower, Add	*25,926.56*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 00-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	56,034.56	6,391.03
		For Stainless Steel Cooling Tower, Add	*27,457.40*	
23 65 13 00-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	59,086.20	6,701.52
		For Stainless Steel Cooling Tower, Add	*28,988.24*	
23 65 13 00-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	62,563.50	7,012.02
		For Stainless Steel Cooling Tower, Add	*30,779.65*	
23 65 13 00-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	66,270.11	7,391.50
		For Stainless Steel Cooling Tower, Add	*32,636.20*	
23 65 13 00-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,456.66	7,771.00
		For Stainless Steel Cooling Tower, Add	*34,785.89*	
23 65 13 00-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	74,511.31	8,098.75
		For Stainless Steel Cooling Tower, Add	*36,903.01*	
23 65 13 00-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	78,574.59	8,426.49
		For Stainless Steel Cooling Tower, Add	*39,020.13*	
23 65 13 00-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	86,192.27	8,780.11
		For Stainless Steel Cooling Tower, Add	*43,254.37*	
23 65 13 00-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	94,461.37	9,125.11
		For Stainless Steel Cooling Tower, Add	*47,879.46*	
23 65 13 00-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	97,787.48	9,314.85
		For Stainless Steel Cooling Tower, Add	*49,833.73*	
23 65 13 00-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	101,764.99	9,435.60
		For Stainless Steel Cooling Tower, Add	*52,178.84*	
23 65 13 00-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	106,541.09	9,918.60
		For Stainless Steel Cooling Tower, Add	*54,589.10*	
23 65 13 00-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	112,077.16	10,401.58
		For Stainless Steel Cooling Tower, Add	*57,455.35*	
23 65 13 00-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	117,682.24	10,927.70
		For Stainless Steel Cooling Tower, Add	*60,321.61*	
23 65 13 00-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	124,155.88	11,453.82
		For Stainless Steel Cooling Tower, Add	*63,709.00*	
23 65 13 00-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	130,858.84	12,057.56
		For Stainless Steel Cooling Tower, Add	*67,161.53*	
23 65 13 00-0031	EA	1,000 Ton Centrifugal Type Cooling Tower	138,421.72	12,661.31
		For Stainless Steel Cooling Tower, Add	*71,135.20*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 00-0001 Induced Draft Axial Single Flow Propeller Type Cooling Towers *(23 65 14)*

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 00-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	6,350.92	965.98
23 65 14 00-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	7,497.66	1,043.61
23 65 14 00-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	8,941.39	1,172.98
23 65 14 00-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	9,920.51	1,293.73
23 65 14 00-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	11,723.49	1,431.72
23 65 14 00-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	13,602.53	1,543.85
23 65 14 00-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	15,609.19	1,750.85
23 65 14 00-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,496.02	2,199.34
23 65 14 00-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	21,277.99	2,458.09
23 65 14 00-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	32,176.18	2,768.59
23 65 14 00-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	38,969.61	3,458.57
23 65 14 00-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	50,809.34	5,675.17

23 65 14 00-0014 Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	19,496.02	2,199.34
23 65 14 00-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	25,920.19	2,768.59
23 65 14 00-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	32,914.10	3,458.57
23 65 14 00-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	39,129.62	4,329.68
23 65 14 00-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	46,674.12	5,675.17
23 65 14 00-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	52,044.61	6,391.03
23 65 14 00-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	58,003.55	7,012.02
23 65 14 00-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	65,679.57	7,771.00
23 65 14 00-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	73,960.36	8,426.49
23 65 14 00-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	79,135.20	8,883.61
23 65 14 00-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	84,719.37	9,125.11
23 65 14 00-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	95,739.35	9,435.60
23 65 14 00-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	105,020.10	10,401.58
23 65 14 00-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	116,013.12	11,453.82

23 65 14 00-0029 Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14)*

Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0030	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,441.67	965.98
		For Polymer Coating Over Galvanized Components, Add	*598.90*	
23 65 14 00-0031	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,853.05	983.23
		For Polymer Coating Over Galvanized Components, Add	*658.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0032	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,368.03	1,069.48
		For Polymer Coating Over Galvanized Components, Add	*714.57*	
23 65 14 00-0033	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,405.27	1,121.23
		For Polymer Coating Over Galvanized Components, Add	*858.51*	
23 65 14 00-0034	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,356.83	1,172.98
		For Polymer Coating Over Galvanized Components, Add	*989.60*	
23 65 14 00-0035	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,291.36	1,233.35
		For Polymer Coating Over Galvanized Components, Add	*1,115.55*	
23 65 14 00-0036	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,148.74	1,293.73
		For Polymer Coating Over Galvanized Components, Add	*1,231.22*	
23 65 14 00-0037	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,100.41	1,362.73
		For Polymer Coating Over Galvanized Components, Add	*1,359.74*	
23 65 14 00-0038	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,035.07	1,431.72
		For Polymer Coating Over Galvanized Components, Add	*1,483.12*	
23 65 14 00-0039	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,861.12	1,543.85
		For Polymer Coating Over Galvanized Components, Add	*1,732.45*	
23 65 14 00-0040	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,841.53	1,664.60
		For Polymer Coating Over Galvanized Components, Add	*2,002.34*	
23 65 14 00-0041	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,767.68	1,750.85
		For Polymer Coating Over Galvanized Components, Add	*2,123.15*	
23 65 14 00-0042	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,797.31	1,897.47
		For Polymer Coating Over Galvanized Components, Add	*2,243.96*	
23 65 14 00-0043	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,569.91	2,044.10
		For Polymer Coating Over Galvanized Components, Add	*2,326.21*	
23 65 14 00-0044	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,021.03	2,199.34
		For Polymer Coating Over Galvanized Components, Add	*2,472.72*	
23 65 14 00-0045	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,897.69	2,458.09
		For Polymer Coating Over Galvanized Components, Add	*2,542.13*	
23 65 14 00-0046	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,242.51	2,768.59
		For Polymer Coating Over Galvanized Components, Add	*2,968.81*	
23 65 14 00-0047	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,799.30	3,104.95
		For Polymer Coating Over Galvanized Components, Add	*3,272.12*	
23 65 14 00-0048	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,276.75	3,458.57
		For Polymer Coating Over Galvanized Components, Add	*3,408.35*	
23 65 14 00-0049	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,651.09	3,898.44
		For Polymer Coating Over Galvanized Components, Add	*3,958.42*	
23 65 14 00-0050	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	35,817.29	4,329.68
		For Polymer Coating Over Galvanized Components, Add	*4,328.55*	
23 65 14 00-0051	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	38,473.16	5,123.17
		For Polymer Coating Over Galvanized Components, Add	*4,536.76*	
23 65 14 00-0052	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	41,563.56	5,675.17
		For Polymer Coating Over Galvanized Components, Add	*4,865.77*	
23 65 14 00-0053	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	47,474.48	6,391.03
		For Polymer Coating Over Galvanized Components, Add	*5,580.34*	
23 65 14 00-0054	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	52,321.94	7,012.02
		For Polymer Coating Over Galvanized Components, Add	*6,158.68*	
23 65 14 00-0055	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	57,839.16	7,771.00
		For Polymer Coating Over Galvanized Components, Add	*6,803.85*	
23 65 14 00-0056	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	63,012.67	8,426.49
		For Polymer Coating Over Galvanized Components, Add	*7,420.74*	
23 65 14 00-0057	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	71,845.10	9,125.11
		For Polymer Coating Over Galvanized Components, Add	*8,577.42*	
23 65 14 00-0058	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	80,225.51	9,435.60
		For Polymer Coating Over Galvanized Components, Add	*9,813.79*	
23 65 14 00-0059	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	89,626.05	10,401.58
		For Polymer Coating Over Galvanized Components, Add	*10,996.17*	
23 65 14 00-0060	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	98,787.60	11,453.82
		For Polymer Coating Over Galvanized Components, Add	*12,122.01*	
23 65 14 00-0061	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	107,822.15	12,661.31
		For Polymer Coating Over Galvanized Components, Add	*13,193.86*	
23 65 14 00-0062	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	117,810.17	13,273.67
		For Polymer Coating Over Galvanized Components, Add	*14,548.46*	
23 65 14 00-0063	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	127,438.02	13,842.91
		For Polymer Coating Over Galvanized Components, Add	*15,856.80*	
23 65 14 00-0064	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	135,658.44	15,033.13
		For Polymer Coating Over Galvanized Components, Add	*16,810.42*	
23 65 14 00-0065	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	143,657.01	16,309.61
		For Polymer Coating Over Galvanized Components, Add	*17,710.06*	
23 65 14 00-0066	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	151,407.86	17,655.09
		For Polymer Coating Over Galvanized Components, Add	*18,555.72*	
23 65 14 00-0067	EA	1,600 Ton Induced Draft Cooling Tower	158,548.94	18,871.20
		For Polymer Coating Over Galvanized Components, Add	*19,342.26*	
23 65 14 00-0068	EA	1,700 Ton Induced Draft Cooling Tower	165,597.65	20,259.80
		For Polymer Coating Over Galvanized Components, Add	*20,072.25*	
23 65 14 00-0069	EA	1,800 Ton Induced Draft Cooling Tower	172,631.47	21,864.03
		For Polymer Coating Over Galvanized Components, Add	*20,748.27*	
23 65 14 00-0070	EA	1,900 Ton Induced Draft Cooling Tower	179,262.60	23,468.25
		For Polymer Coating Over Galvanized Components, Add	*21,365.16*	
23 65 14 00-0071	EA	2,000 Ton Induced Draft Cooling Tower	186,448.10	25,658.97
		For Polymer Coating Over Galvanized Components, Add	*21,928.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0072		**Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers** *(23 65 14)* Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 00-0073	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,328.04	534.74
23 65 14 00-0074	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,616.63	664.11
23 65 14 00-0075	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,145.84	750.37
23 65 14 00-0076	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,632.86	819.36
23 65 14 00-0077	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,699.24	888.36
23 65 14 00-0078	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,032.62	974.61
23 65 14 00-0079	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,733.65	1,267.86
23 65 14 00-0080	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,556.62	1,155.73
23 65 14 00-0081	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,395.19	1,328.23
23 65 14 00-0082	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,354.77	1,483.47
23 65 14 00-0083	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,648.44	1,638.72
23 65 14 00-0084	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,100.78	2,078.59
23 65 14 00-0085	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,082.79	2,345.97
23 65 14 00-0086	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,993.83	2,604.71
23 65 14 00-0087	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,636.99	2,734.08
23 65 14 00-0088	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,960.64	2,854.83
23 65 14 00-0089	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	23,061.22	2,984.20
23 65 14 00-0090	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	25,096.06	3,113.58
23 65 14 00-0091	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	27,231.35	3,363.70
23 65 14 00-0092	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,615.03	3,751.82
23 65 14 00-0093	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	35,802.87	4,148.56
23 65 14 00-0094	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	40,407.69	4,916.17
23 65 14 00-0095	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,783.38	5,709.66
23 65 14 00-0096	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	55,761.22	6,192.66
23 65 14 00-0097	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	62,761.58	7,012.02
23 65 14 00-0098	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	69,182.11	7,840.00
23 65 14 00-0099	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	81,821.02	8,667.99
23 65 14 00-0100		**Stainless Steel Packaged Propeller Type Cooling Towers** *(23 65 14)* Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 00-0101		**Draw-Thru Stainless Steel Propeller Type Cooling Towers** *(23 65 14 00-0100)* Note: Excludes crane and associated personnel.		
23 65 14 00-0102	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	26,767.41	1,431.72
23 65 14 00-0103	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	38,023.59	1,750.85
23 65 14 00-0104	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	44,835.58	2,199.34
23 65 14 00-0105	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	50,824.10	2,458.09
23 65 14 00-0106	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	55,760.06	2,768.59
23 65 14 00-0107	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	66,874.29	3,458.57
23 65 14 00-0108	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	78,724.54	4,329.68
23 65 14 00-0109	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	93,366.02	5,675.17
23 65 14 00-0110	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	102,226.88	6,391.03
23 65 14 00-0111	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	115,880.98	7,012.02
23 65 14 00-0112	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	134,353.04	8,426.49
23 65 14 00-0113	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	151,641.05	9,125.11
23 65 14 00-0114	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	187,470.72	9,918.60
23 65 14 00-0115	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	238,739.05	12,523.30
23 65 14 00-0116		**Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers** *(23 65 14 00-0100)* Note: Excludes crane and associated personnel.		
23 65 14 00-0117	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	63,622.89	2,199.34
		For Induced Draft Counter Flow Type, Add	*3,004.33*	
23 65 14 00-0118	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	72,109.26	2,440.84
		For Induced Draft Counter Flow Type, Add	*3,407.95*	
23 65 14 00-0119	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	78,813.21	2,768.59
		For Induced Draft Counter Flow Type, Add	*3,718.14*	
23 65 14 00-0120	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	87,640.38	3,458.57
		For Induced Draft Counter Flow Type, Add	*4,104.30*	
23 65 14 00-0121	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	99,298.73	4,329.68
		For Induced Draft Counter Flow Type, Add	*4,616.92*	
23 65 14 00-0122	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	114,056.60	5,675.17
		For Induced Draft Counter Flow Type, Add	*5,246.57*	
23 65 14 00-0123	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	124,276.49	6,391.03
		For Induced Draft Counter Flow Type, Add	*5,700.21*	
23 65 14 00-0124	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	134,341.13	7,012.02
		For Induced Draft Counter Flow Type, Add	*6,153.85*	
23 65 14 00-0125	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	155,081.37	8,426.49
		For Induced Draft Counter Flow Type, Add	*7,077.02*	
23 65 14 00-0126	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	175,140.66	9,125.11
		For Induced Draft Counter Flow Type, Add	*8,023.92*	
23 65 14 00-0127	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	216,822.80	9,918.60
		For Induced Draft Counter Flow Type, Add	*10,021.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0128	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	281,371.36	12,661.31
		For Induced Draft Counter Flow Type, Add	*13,075.42*	

23 65 14 00-0129 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 00-0100)*

Note: Excludes crane and associated personnel.

23 65 14 00-0130	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	46,694.80	2,199.34
23 65 14 00-0131	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	50,534.68	2,458.09
23 65 14 00-0132	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	54,463.95	2,768.59
23 65 14 00-0133	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	64,423.64	3,458.57
23 65 14 00-0134	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	71,051.69	4,329.68

23 65 43 Cooling Tower Basins And Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	906.81	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,028.15	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,000.98	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,178.21	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,283.59	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,422.48	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,561.36	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,564.50	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,724.13	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,971.60	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,220.66	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,377.08	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	16,863.42	160.63
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	23,528.64	212.97
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	26,941.96	257.59
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	31,906.00	321.99
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	37,140.40	428.03
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	48,020.79	644.05
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	54,227.19	725.41
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	74,456.44	963.55
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	96,293.72	1,120.16

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	6,187.45	617.18
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	6,901.41	740.80
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	8,635.15	926.00
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	10,083.60	1,057.94
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	11,122.33	1,111.20
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	13,450.27	1,234.81
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	17,666.07	1,296.39
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	21,872.45	1,388.99
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	26,432.12	1,587.15
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	29,772.74	2,037.19
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	39,658.37	2,314.99
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	47,183.63	2,777.98

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	10,775.03	462.99
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	16,877.24	617.36
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	25,026.19	926.00

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,087.11	488.19
		For Flat Filter Box And Throwaway Filters, Add	*173.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*326.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*486.65*	
		For Manual Roll Filter, Add	*834.07*	
		For Automatic Roll Filter, Add	*903.56*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*417.16*	
		For Electric Heating Coil, Add	*695.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*695.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*625.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*556.13*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*451.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*834.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*764.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*556.13*	
		For Variable Air Volume, Add	*194.56*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,128.19*	
		For 2 Coils, Independent Circuits, Add	*236.50*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,294.92	585.83
		For Flat Filter Box And Throwaway Filters, Add	*287.68*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*550.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*821.23*	
		For Manual Roll Filter, Add	*1,435.90*	
		For Automatic Roll Filter, Add	*1,558.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*698.30*	
		For Electric Heating Coil, Add	*1,190.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,190.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,067.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*944.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*779.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,435.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,312.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*944.16*	
		For Variable Air Volume, Add	*344.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,225.36*	
		For 2 Coils, Independent Circuits, Add	*378.67*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,724.34	629.16
		For Flat Filter Box And Throwaway Filters, Add	*327.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*628.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*937.56*	
		For Manual Roll Filter, Add	*1,643.96*	
		For Automatic Roll Filter, Add	*1,785.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*796.28*	
		For Electric Heating Coil, Add	*1,361.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,361.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,220.12*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,078.84*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*892.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,643.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,502.68*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,078.84*	
		For Variable Air Volume, Add	*395.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,269.11*	
		For 2 Coils, Independent Circuits, Add	*428.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,201.82	676.06
		For Flat Filter Box And Throwaway Filters, Add	*371.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*714.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,067.36*	
		For Manual Roll Filter, Add	*1,876.32*	
		For Automatic Roll Filter, Add	*2,038.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*905.56*	
		For Electric Heating Coil, Add	*1,552.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,552.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,390.94*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,229.15*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,019.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,876.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,714.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,229.15*	
		For Variable Air Volume, Add	*453.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,316.17*	
		For 2 Coils, Independent Circuits, Add	*484.90*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,764.86	727.32
		For Flat Filter Box And Throwaway Filters, Add	*424.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*818.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,221.89*	
		For Manual Roll Filter, Add	*2,153.65*	
		For Automatic Roll Filter, Add	*2,340.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,035.54*	
		For Electric Heating Coil, Add	*1,780.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,780.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,594.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,408.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,170.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,153.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,967.30*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,408.24*	
		For Variable Air Volume, Add	*521.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,366.48*	
		For 2 Coils, Independent Circuits, Add	*551.03*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,421.46	781.64
		For Flat Filter Box And Throwaway Filters, Add	*486.32*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*939.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,403.12*	
		For Manual Roll Filter, Add	*2,479.34*	
		For Automatic Roll Filter, Add	*2,694.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,187.88*	
		For Electric Heating Coil, Add	*2,048.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,048.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,833.61*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,618.36*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,347.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,479.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,264.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,618.36*	
		For Variable Air Volume, Add	*602.68*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,421.61*	
		For 2 Coils, Independent Circuits, Add	*628.24*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,936.15	840.30
		For Flat Filter Box And Throwaway Filters, Add	*533.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,031.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,541.26*	
		For Manual Roll Filter, Add	*2,725.82*	
		For Automatic Roll Filter, Add	*2,962.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,304.35*	
		For Electric Heating Coil, Add	*2,252.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,252.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,015.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,778.18*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,481.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,725.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,488.91*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,778.18*	
		For Variable Air Volume, Add	*663.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,478.54*	
		For 2 Coils, Independent Circuits, Add	*688.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,493.95	905.60
		For Flat Filter Box And Throwaway Filters, Add	*584.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,130.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,689.50*	
		For Manual Roll Filter, Add	*2,989.62*	
		For Automatic Roll Filter, Add	*3,249.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,429.47*	
		For Electric Heating Coil, Add	*2,469.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,469.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,209.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,949.52*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,624.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,989.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,729.60*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,949.52*	
		For Variable Air Volume, Add	*728.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,461.39*	
		For 2 Coils, Independent Circuits, Add	*753.41*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,107.64	970.90
		For Flat Filter Box And Throwaway Filters, Add	*641.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,241.21*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,854.88*	
		For Manual Roll Filter, Add	*3,285.02*	
		For Automatic Roll Filter, Add	*3,571.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,568.85*	
		For Electric Heating Coil, Add	*2,712.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,712.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,426.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,140.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,785.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,285.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,998.99*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,140.90*	
		For Variable Air Volume, Add	*800.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,512.89*	
		For 2 Coils, Independent Circuits, Add	*825.18*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,673.68	1,043.60
		For Flat Filter Box And Throwaway Filters, Add	*692.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,340.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,003.93*	
		For Manual Roll Filter, Add	*3,549.64*	
		For Automatic Roll Filter, Add	*3,858.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,694.79*	
		For Electric Heating Coil, Add	*2,931.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,931.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,622.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,313.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,929.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,549.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,240.50*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,313.08*	
		For Variable Air Volume, Add	*865.60*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,569.97*	
		For 2 Coils, Independent Circuits, Add	*891.02*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,278.00	1,122.94
		For Flat Filter Box And Throwaway Filters, Add	*747.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,447.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,162.60*	
		For Manual Roll Filter, Add	*3,831.10*	
		For Automatic Roll Filter, Add	*4,164.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,828.90*	
		For Electric Heating Coil, Add	*3,163.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,163.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,830.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,496.30*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,082.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,831.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,497.40*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,496.30*	
		For Variable Air Volume, Add	*934.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,632.21*	
		For 2 Coils, Independent Circuits, Add	*961.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,628.69	1,299.82
		For Flat Filter Box And Throwaway Filters, Add	*870.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,684.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,517.24*	
		For Manual Roll Filter, Add	*4,460.21*	
		For Automatic Roll Filter, Add	*4,848.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,128.65*	
		For Electric Heating Coil, Add	*3,683.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,683.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,294.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,905.84*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,424.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,460.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,071.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,905.84*	
		For Variable Air Volume, Add	*1,088.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,771.25*	
		For 2 Coils, Independent Circuits, Add	*1,118.31*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,085.73	1,396.85
		For Flat Filter Box And Throwaway Filters, Add	*908.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,757.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,626.51*	
		For Manual Roll Filter, Add	*4,648.93*	
		For Automatic Roll Filter, Add	*5,053.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,222.03*	
		For Electric Heating Coil, Add	*3,839.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,839.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,435.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,030.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,526.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,648.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,244.45*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,030.99*	
		For Variable Air Volume, Add	*1,132.56*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,847.83*	
		For 2 Coils, Independent Circuits, Add	*1,170.37*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,552.08	1,501.20
		For Flat Filter Box And Throwaway Filters, Add	*947.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,831.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,736.71*	
		For Manual Roll Filter, Add	*4,838.58*	
		For Automatic Roll Filter, Add	*5,258.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,316.33*	
		For Electric Heating Coil, Add	*3,997.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,997.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,577.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,157.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,629.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,838.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,418.20*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,157.08*	
		For Variable Air Volume, Add	*1,177.05*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,929.52*	
		For 2 Coils, Independent Circuits, Add	*1,223.36*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,577.52	1,733.09
		For Flat Filter Box And Throwaway Filters, Add	*1,033.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,993.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,977.93*	
		For Manual Roll Filter, Add	*5,253.15*	
		For Automatic Roll Filter, Add	*5,708.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,522.89*	
		For Electric Heating Coil, Add	*4,343.06*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,343.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,888.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,432.97*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,854.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,253.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,798.11*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,432.97*	
		For Variable Air Volume, Add	*1,274.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,930.65*	
		For 2 Coils, Independent Circuits, Add	*1,339.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,577.52	1,733.09
		For Flat Filter Box And Throwaway Filters, Add	*1,033.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,993.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,977.93*	
		For Manual Roll Filter, Add	*5,253.15*	
		For Automatic Roll Filter, Add	*5,708.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,522.89*	
		For Electric Heating Coil, Add	*4,343.06*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,343.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,888.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,432.97*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,854.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,253.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,798.11*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,432.97*	
		For Variable Air Volume, Add	*1,274.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,930.65*	
		For 2 Coils, Independent Circuits, Add	*1,339.77*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,696.37	1,990.61
		For Flat Filter Box And Throwaway Filters, Add	*1,127.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,169.52*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,240.05*	
		For Manual Roll Filter, Add	*5,703.07*	
		For Automatic Roll Filter, Add	*6,195.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,747.45*	
		For Electric Heating Coil, Add	*4,717.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,717.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,225.26*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,732.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,097.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,703.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,210.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,732.66*	
		For Variable Air Volume, Add	*1,379.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,077.72*	
		For 2 Coils, Independent Circuits, Add	*1,466.68*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,342.49	2,159.65
		For Flat Filter Box And Throwaway Filters, Add	*1,179.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,267.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,385.56*	
		For Manual Roll Filter, Add	*5,949.70*	
		For Automatic Roll Filter, Add	*6,462.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,872.73*	
		For Electric Heating Coil, Add	*4,924.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,924.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,411.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,898.39*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,231.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,949.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,436.87*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,898.39*	
		For Variable Air Volume, Add	*1,435.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,174.37*	
		For 2 Coils, Independent Circuits, Add	*1,539.38*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,975.79	2,320.14
		For Flat Filter Box And Throwaway Filters, Add	*1,231.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,364.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,529.79*	
		For Manual Roll Filter, Add	*6,195.05*	
		For Automatic Roll Filter, Add	*6,728.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,996.74*	
		For Electric Heating Coil, Add	*5,128.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,128.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,595.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,062.84*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,364.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,195.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,662.00*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,062.84*	
		For Variable Air Volume, Add	*1,492.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,265.90*	
		For 2 Coils, Independent Circuits, Add	*1,610.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,612.94	2,483.69
		For Flat Filter Box And Throwaway Filters, Add	*1,283.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,461.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,674.40*	
		For Manual Roll Filter, Add	*6,440.78*	
		For Automatic Roll Filter, Add	*6,994.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,121.12*	
		For Electric Heating Coil, Add	*5,334.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,334.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,780.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,227.68*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,497.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,440.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,887.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,227.68*	
		For Variable Air Volume, Add	*1,549.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,358.96*	
		For 2 Coils, Independent Circuits, Add	*1,682.60*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,347.19	2,673.47
		For Flat Filter Box And Throwaway Filters, Add	*1,343.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,572.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,840.28*	
		For Manual Roll Filter, Add	*6,722.23*	
		For Automatic Roll Filter, Add	*7,298.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,263.89*	
		For Electric Heating Coil, Add	*5,569.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,569.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,993.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,416.67*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,649.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,722.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,145.84*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,416.67*	
		For Variable Air Volume, Add	*1,613.89*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,467.76*	
		For 2 Coils, Independent Circuits, Add	*1,765.28*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,092.54	2,864.49
		For Flat Filter Box And Throwaway Filters, Add	*1,404.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,685.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,007.27*	
		For Manual Roll Filter, Add	*7,004.79*	
		For Automatic Roll Filter, Add	*7,604.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,407.76*	
		For Electric Heating Coil, Add	*5,805.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,805.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,206.28*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,606.77*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,802.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,004.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,405.28*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,606.77*	
		For Variable Air Volume, Add	*1,678.61*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,410.74*	
		For 2 Coils, Independent Circuits, Add	*1,849.06*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,860.81	3,084.69
		For Flat Filter Box And Throwaway Filters, Add	*1,465.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,799.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,176.55*	
		For Manual Roll Filter, Add	*7,289.63*	
		For Automatic Roll Filter, Add	*7,912.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,553.93*	
		For Electric Heating Coil, Add	*6,044.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,044.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,421.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,799.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,956.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,289.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,667.01*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,799.16*	
		For Variable Air Volume, Add	*1,743.33*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,502.54*	
		For 2 Coils, Independent Circuits, Add	*1,935.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,736.18	3,341.69
		For Flat Filter Box And Throwaway Filters, Add	*1,535.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,927.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,368.09*	
		For Manual Roll Filter, Add	*7,611.19*	
		For Automatic Roll Filter, Add	*8,259.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,719.48*	
		For Electric Heating Coil, Add	*6,313.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,313.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,665.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,016.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,129.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,611.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,962.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,016.71*	
		For Variable Air Volume, Add	*1,816.13*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,609.14*	
		For 2 Coils, Independent Circuits, Add	*2,033.07*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,590.53	3,567.83
		For Flat Filter Box And Throwaway Filters, Add	*1,604.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,055.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,557.54*	
		For Manual Roll Filter, Add	*7,930.65*	
		For Automatic Roll Filter, Add	*8,605.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,882.92*	
		For Electric Heating Coil, Add	*6,581.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,581.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,906.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,232.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,302.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,930.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,256.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,232.16*	
		For Variable Air Volume, Add	*1,888.94*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,709.43*	
		For 2 Coils, Independent Circuits, Add	*2,128.90*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,670.80	3,454.59
		For Flat Filter Box And Throwaway Filters, Add	*1,621.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,094.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,617.57*	
		For Manual Roll Filter, Add	*8,055.69*	
		For Automatic Roll Filter, Add	*8,743.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,929.95*	
		For Electric Heating Coil, Add	*6,680.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,680.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,992.82*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,305.20*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,371.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,055.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,368.06*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,305.20*	
		For Variable Air Volume, Add	*1,925.34*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,655.50*	
		For 2 Coils, Independent Circuits, Add	*2,142.13*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,486.74	3,832.77
		For Flat Filter Box And Throwaway Filters, Add	*1,674.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,185.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,751.17*	
		For Manual Roll Filter, Add	*8,254.29*	
		For Automatic Roll Filter, Add	*8,954.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,050.55*	
		For Electric Heating Coil, Add	*6,853.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,853.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,152.42*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,451.80*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,477.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,254.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,553.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,451.80*	
		For Variable Air Volume, Add	*1,961.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,822.28*	
		For 2 Coils, Independent Circuits, Add	*2,228.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,520.43	3,986.72
		For Flat Filter Box And Throwaway Filters, Add	*1,768.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,366.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,022.11*	
		For Manual Roll Filter, Add	*8,734.70*	
		For Automatic Roll Filter, Add	*9,477.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,279.60*	
		For Electric Heating Coil, Add	*7,249.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,249.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,507.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,764.63*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,738.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,734.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,992.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,764.63*	
		For Variable Air Volume, Add	*2,079.05*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,534.02*	
		For 2 Coils, Independent Circuits, Add	*2,349.05*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,608.59	4,141.11
		For Flat Filter Box And Throwaway Filters, Add	*1,864.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,552.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,298.50*	
		For Manual Roll Filter, Add	*9,220.55*	
		For Automatic Roll Filter, Add	*10,004.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,514.09*	
		For Electric Heating Coil, Add	*7,651.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,651.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,867.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,082.91*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,002.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,220.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,436.14*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,082.91*	
		For Variable Air Volume, Add	*2,196.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,584.08*	
		For 2 Coils, Independent Circuits, Add	*2,474.62*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,761.74	4,300.38
		For Flat Filter Box And Throwaway Filters, Add	*1,970.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,756.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,604.50*	
		For Manual Roll Filter, Add	*9,764.91*	
		For Automatic Roll Filter, Add	*10,596.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,772.42*	
		For Electric Heating Coil, Add	*8,100.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,100.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,268.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,436.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,298.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,764.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,932.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,436.58*	
		For Variable Air Volume, Add	*2,329.83*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,624.02*	
		For 2 Coils, Independent Circuits, Add	*2,609.01*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,963.54	4,459.83
		For Flat Filter Box And Throwaway Filters, Add	*2,077.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,964.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,915.37*	
		For Manual Roll Filter, Add	*10,314.13*	
		For Automatic Roll Filter, Add	*11,193.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,035.61*	
		For Electric Heating Coil, Add	*8,554.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,554.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,674.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,795.12*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,596.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,314.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,434.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,795.12*	
		For Variable Air Volume, Add	*2,463.31*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,673.70*	
		For 2 Coils, Independent Circuits, Add	*2,748.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,711.99	4,781.26
		For Flat Filter Box And Throwaway Filters, Add	*2,329.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,453.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,640.58*	
		For Manual Roll Filter, Add	*11,019.75*	
		For Automatic Roll Filter, Add	*11,616.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,658.95*	
		For Electric Heating Coil, Add	*5,056.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,634.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,640.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,646.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*5,311.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,622.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,628.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,640.58*	
		For Variable Air Volume, Add	*2,782.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,931.03*	
		For 2 Coils, Independent Circuits, Add	*3,068.75*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,634.56	5,152.90
		For Flat Filter Box And Throwaway Filters, Add	*2,594.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,966.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,525.11*	
		For Manual Roll Filter, Add	*12,307.04*	
		For Automatic Roll Filter, Add	*12,974.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,188.12*	
		For Electric Heating Coil, Add	*5,633.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,637.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,525.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,412.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*5,931.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,862.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,749.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,525.11*	
		For Variable Air Volume, Add	*3,114.53*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,027.89*	
		For 2 Coils, Independent Circuits, Add	*3,408.39*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,826.90	5,521.22
		For Flat Filter Box And Throwaway Filters, Add	*2,888.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,539.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,516.08*	
		For Manual Roll Filter, Add	*13,754.79*	
		For Automatic Roll Filter, Add	*14,502.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,776.05*	
		For Electric Heating Coil, Add	*6,274.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,762.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,516.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,269.40*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*6,628.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,256.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,009.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,516.08*	
		For Variable Air Volume, Add	*3,490.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,116.33*	
		For 2 Coils, Independent Circuits, Add	*3,781.36*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	40,387.78	5,946.21
		For Flat Filter Box And Throwaway Filters, Add	*3,614.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,973.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,012.89*	
		For Manual Roll Filter, Add	*17,435.29*	
		For Automatic Roll Filter, Add	*18,392.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,228.42*	
		For Electric Heating Coil, Add	*7,866.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,607.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,012.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,418.07*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,398.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,797.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,202.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,012.89*	
		For Variable Air Volume, Add	*4,465.50*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,220.98*	
		For 2 Coils, Independent Circuits, Add	*4,676.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	45,116.88	6,346.70
		For Flat Filter Box And Throwaway Filters, Add	*4,058.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,845.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,525.91*	
		For Manual Roll Filter, Add	*19,655.57*	
		For Automatic Roll Filter, Add	*20,737.28*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,117.38*	
		For Electric Heating Coil, Add	*8,838.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,328.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,525.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,723.06*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,467.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,934.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,131.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*13,525.91*	
		For Variable Air Volume, Add	*5,047.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,124.00*	
		For 2 Coils, Independent Circuits, Add	*5,232.83*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	49,426.99	6,834.46
		For Flat Filter Box And Throwaway Filters, Add	*4,454.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,616.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,859.78*	
		For Manual Roll Filter, Add	*21,603.40*	
		For Automatic Roll Filter, Add	*22,793.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,909.53*	
		For Electric Heating Coil, Add	*9,702.90*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,843.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,859.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,876.37*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*10,405.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,810.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,826.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,859.78*	
		For Variable Air Volume, Add	*5,553.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,228.80*	
		For 2 Coils, Independent Circuits, Add	*5,736.07*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,229.21	7,504.52
		For Flat Filter Box And Throwaway Filters, Add	*4,892.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,467.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,329.55*	
		For Manual Roll Filter, Add	*23,746.05*	
		For Automatic Roll Filter, Add	*25,054.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,785.57*	
		For Electric Heating Coil, Add	*10,658.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,510.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,329.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,148.22*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,436.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,873.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,692.20*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,329.55*	
		For Variable Air Volume, Add	*6,107.71*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,355.41*	
		For 2 Coils, Independent Circuits, Add	*6,295.45*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	58,363.08	7,872.22
		For Flat Filter Box And Throwaway Filters, Add	*5,274.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,211.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,616.91*	
		For Manual Roll Filter, Add	*25,627.72*	
		For Automatic Roll Filter, Add	*27,041.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,548.55*	
		For Electric Heating Coil, Add	*11,491.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,973.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,616.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,260.79*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,342.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*24,685.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,329.15*	
		For Hot Water Heating Coil, Copper Fins, Add	*17,616.91*	
		For Variable Air Volume, Add	*6,597.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,451.10*	
		For 2 Coils, Independent Circuits, Add	*6,778.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	62,949.10	8,421.35
		For Flat Filter Box And Throwaway Filters, Add	*5,691.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,020.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,014.49*	
		For Manual Roll Filter, Add	*27,663.80*	
		For Automatic Roll Filter, Add	*29,190.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,382.74*	
		For Electric Heating Coil, Add	*12,400.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,558.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,014.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,470.57*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*13,323.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,646.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*24,102.32*	
		For Hot Water Heating Coil, Copper Fins, Add	*19,014.49*	
		For Variable Air Volume, Add	*7,122.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,338.85*	
		For 2 Coils, Independent Circuits, Add	*7,312.48*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	67,942.12	9,092.71
		For Flat Filter Box And Throwaway Filters, Add	*6,144.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,899.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,532.23*	
		For Manual Roll Filter, Add	*29,874.08*	
		For Automatic Roll Filter, Add	*31,522.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,289.42*	
		For Electric Heating Coil, Add	*13,388.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,279.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,532.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,784.62*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,387.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,775.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,027.43*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,532.23*	
		For Variable Air Volume, Add	*7,693.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,453.76*	
		For 2 Coils, Independent Circuits, Add	*7,893.25*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	70,779.94	9,519.79
		For Flat Filter Box And Throwaway Filters, Add	*6,399.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,391.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,379.40*	
		For Manual Roll Filter, Add	*31,104.35*	
		For Automatic Roll Filter, Add	*32,820.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,798.56*	
		For Electric Heating Coil, Add	*13,942.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,239.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,379.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,519.12*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,980.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,960.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,099.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,379.40*	
		For Variable Air Volume, Add	*8,008.79*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,526.79*	
		For 2 Coils, Independent Circuits, Add	*8,222.11*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,455.12	9,885.94
		For Flat Filter Box And Throwaway Filters, Add	*6,639.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,856.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,181.41*	
		For Manual Roll Filter, Add	*32,269.82*	
		For Automatic Roll Filter, Add	*34,050.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,279.87*	
		For Electric Heating Coil, Add	*14,466.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,148.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,181.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,214.23*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,541.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,082.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,115.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,181.41*	
		For Variable Air Volume, Add	*8,308.10*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,593.94*	
		For 2 Coils, Independent Circuits, Add	*8,532.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	79,199.17	10,557.20
		For Flat Filter Box And Throwaway Filters, Add	*7,165.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,878.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,947.60*	
		For Manual Roll Filter, Add	*34,846.42*	
		For Automatic Roll Filter, Add	*36,769.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,330.99*	
		For Electric Heating Coil, Add	*15,613.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,153.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,947.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,742.06*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,782.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,564.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,358.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,947.60*	
		For Variable Air Volume, Add	*8,975.50*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,716.06*	
		For 2 Coils, Independent Circuits, Add	*9,202.13*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	86,639.78	11,289.50
		For Flat Filter Box And Throwaway Filters, Add	*7,856.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,229.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,287.93*	
		For Manual Roll Filter, Add	*38,272.21*	
		For Automatic Roll Filter, Add	*40,387.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,713.56*	
		For Electric Heating Coil, Add	*17,123.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,812.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,287.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,763.14*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,431.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,862.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,337.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*26,287.93*	
		For Variable Air Volume, Add	*9,869.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,514.40*	
		For 2 Coils, Independent Circuits, Add	*10,073.89*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	94,980.89	12,204.86
		For Flat Filter Box And Throwaway Filters, Add	*8,626.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,729.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,884.43*	
		For Manual Roll Filter, Add	*42,067.15*	
		For Automatic Roll Filter, Add	*44,393.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,252.63*	
		For Electric Heating Coil, Add	*18,803.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,761.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,884.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,007.17*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,258.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,516.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,638.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,884.43*	
		For Variable Air Volume, Add	*10,856.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,643.55*	
		For 2 Coils, Independent Circuits, Add	*11,049.00*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	104,268.87	13,242.28
		For Flat Filter Box And Throwaway Filters, Add	*9,479.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,390.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,756.20*	
		For Manual Roll Filter, Add	*46,260.14*	
		For Automatic Roll Filter, Add	*48,819.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,958.61*	
		For Electric Heating Coil, Add	*20,664.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,022.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,756.20*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,490.34*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,276.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*44,553.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,287.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*31,756.20*	
		For Variable Air Volume, Add	*11,944.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,795.16*	
		For 2 Coils, Independent Circuits, Add	*12,133.23*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	6,191.33	1,098.26
		For Economizer, Panel, Controls And Damper(s), Add	*1,738.06*	
		For Flat Filter Box And Throwaway Filters, Add	*540.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,034.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,312.54*	
		For Manual Roll Filter, Add	*2,699.34*	
		For Automatic Roll Filter, Add	*2,699.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*619.13*	
		For Electric Heating Coil, Add	*711.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,237.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,237.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,699.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,699.34*	
		For 2 Coils, Independent Circuits, Add	*711.59*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,715.12	1,375.92
		For Economizer, Panel, Controls And Damper(s), Add	*2,015.97*	
		For Flat Filter Box And Throwaway Filters, Add	*673.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,287.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,633.93*	
		For Manual Roll Filter, Add	*3,358.76*	
		For Automatic Roll Filter, Add	*3,358.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*771.51*	
		For Electric Heating Coil, Add	*886.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,783.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,783.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,358.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,358.76*	
		For 2 Coils, Independent Circuits, Add	*886.50*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,545.90	1,464.41
		For Economizer, Panel, Controls And Damper(s), Add	*2,104.29*	
		For Flat Filter Box And Throwaway Filters, Add	*850.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,637.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,072.70*	
		For Manual Roll Filter, Add	*4,308.92*	
		For Automatic Roll Filter, Add	*4,308.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*954.59*	
		For Electric Heating Coil, Add	*1,103.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,563.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,563.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,308.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,308.92*	
		For 2 Coils, Independent Circuits, Add	*1,103.67*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,924.83	1,568.16
		For Economizer, Panel, Controls And Damper(s), Add	*2,207.74*	
		For Flat Filter Box And Throwaway Filters, Add	*880.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,693.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,145.26*	
		For Manual Roll Filter, Add	*4,450.82*	
		For Automatic Roll Filter, Add	*4,450.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*992.48*	
		For Electric Heating Coil, Add	*1,146.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,682.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,682.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,450.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,450.82*	
		For 2 Coils, Independent Circuits, Add	*1,146.19*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,618.05	1,681.05
		For Economizer, Panel, Controls And Damper(s), Add	*2,321.11*	
		For Flat Filter Box And Throwaway Filters, Add	*1,041.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,011.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,544.27*	
		For Manual Roll Filter, Add	*5,309.21*	
		For Automatic Roll Filter, Add	*5,309.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,161.81*	
		For Electric Heating Coil, Add	*1,346.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,387.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,387.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,309.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,309.21*	
		For 2 Coils, Independent Circuits, Add	*1,346.13*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,250.34	1,800.22
		For Economizer, Panel, Controls And Damper(s), Add	*2,440.13*	
		For Flat Filter Box And Throwaway Filters, Add	*1,096.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,115.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,676.84*	
		For Manual Roll Filter, Add	*5,580.46*	
		For Automatic Roll Filter, Add	*5,580.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,225.03*	
		For Electric Heating Coil, Add	*1,418.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,612.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,612.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,580.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,580.46*	
		For 2 Coils, Independent Circuits, Add	*1,418.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,915.64	1,922.18
		For Economizer, Panel, Controls And Damper(s), Add	*2,562.03*	
		For Flat Filter Box And Throwaway Filters, Add	*1,154.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,226.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,817.05*	
		For Manual Roll Filter, Add	*5,868.01*	
		For Automatic Roll Filter, Add	*5,868.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,291.56*	
		For Electric Heating Coil, Add	*1,494.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,851.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,851.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,868.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,868.01*	
		For 2 Coils, Independent Circuits, Add	*1,494.96*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,410.23	2,062.62
		For Economizer, Panel, Controls And Damper(s), Add	*2,367.12*	
		For Flat Filter Box And Throwaway Filters, Add	*1,294.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,499.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,161.52*	
		For Manual Roll Filter, Add	*6,602.53*	
		For Automatic Roll Filter, Add	*6,602.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,441.02*	
		For Electric Heating Coil, Add	*1,670.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,455.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,455.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,602.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,602.53*	
		For 2 Coils, Independent Circuits, Add	*1,670.42*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,752.54	2,208.91
		For Economizer, Panel, Controls And Damper(s), Add	*2,485.66*	
		For Flat Filter Box And Throwaway Filters, Add	*1,417.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,740.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,464.77*	
		For Manual Roll Filter, Add	*7,243.81*	
		For Automatic Roll Filter, Add	*7,243.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,575.25*	
		For Electric Heating Coil, Add	*1,827.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,984.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,984.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,243.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,243.81*	
		For 2 Coils, Independent Circuits, Add	*1,827.19*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,652.87	2,359.20
		For Economizer, Panel, Controls And Damper(s), Add	*2,599.47*	
		For Flat Filter Box And Throwaway Filters, Add	*1,497.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,893.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,658.82*	
		For Manual Roll Filter, Add	*7,645.87*	
		For Automatic Roll Filter, Add	*7,645.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,665.29*	
		For Electric Heating Coil, Add	*1,931.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,316.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,316.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,645.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,645.87*	
		For 2 Coils, Independent Circuits, Add	*1,931.09*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,366.05	2,520.47
		For Economizer, Panel, Controls And Damper(s), Add	*2,731.31*	
		For Flat Filter Box And Throwaway Filters, Add	*1,656.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,204.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,051.16*	
		For Manual Roll Filter, Add	*8,480.26*	
		For Automatic Roll Filter, Add	*8,480.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,836.61*	
		For Electric Heating Coil, Add	*2,131.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,003.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,003.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,480.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,480.26*	
		For 2 Coils, Independent Circuits, Add	*2,131.88*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,541.36	2,697.45
		For Economizer, Panel, Controls And Damper(s), Add	*2,869.23*	
		For Flat Filter Box And Throwaway Filters, Add	*1,761.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,407.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,307.37*	
		For Manual Roll Filter, Add	*9,013.83*	
		For Automatic Roll Filter, Add	*9,013.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,954.14*	
		For Electric Heating Coil, Add	*2,267.90*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,445.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,445.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,013.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,013.83*	
		For 2 Coils, Independent Circuits, Add	*2,267.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,429.54	2,929.16
		For Economizer, Panel, Controls And Damper(s), Add	*3,049.65*	
		For Flat Filter Box And Throwaway Filters, Add	*1,933.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,742.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,730.21*	
		For Manual Roll Filter, Add	*9,904.72*	
		For Automatic Roll Filter, Add	*9,904.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,142.95*	
		For Electric Heating Coil, Add	*2,487.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,179.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,179.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,904.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,904.72*	
		For 2 Coils, Independent Circuits, Add	*2,487.92*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,024.89	3,155.04
		For Economizer, Panel, Controls And Damper(s), Add	*3,227.92*	
		For Flat Filter Box And Throwaway Filters, Add	*2,077.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,019.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,080.43*	
		For Manual Roll Filter, Add	*10,636.30*	
		For Automatic Roll Filter, Add	*10,636.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,302.49*	
		For Electric Heating Coil, Add	*2,672.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,784.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,784.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,636.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,636.30*	
		For 2 Coils, Independent Circuits, Add	*2,672.88*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,163.14	3,411.26
		For Economizer, Panel, Controls And Damper(s), Add	*2,885.39*	
		For Flat Filter Box And Throwaway Filters, Add	*2,173.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,200.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,311.26*	
		For Manual Roll Filter, Add	*11,101.17*	
		For Automatic Roll Filter, Add	*11,101.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,416.31*	
		For Electric Heating Coil, Add	*2,802.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,171.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,171.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,101.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,101.17*	
		For 2 Coils, Independent Circuits, Add	*2,802.31*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,812.81	3,679.59
		For Economizer, Panel, Controls And Damper(s), Add	*3,043.83*	
		For Flat Filter Box And Throwaway Filters, Add	*2,418.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,678.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,914.27*	
		For Manual Roll Filter, Add	*12,380.23*	
		For Automatic Roll Filter, Add	*12,380.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,681.28*	
		For Electric Heating Coil, Add	*3,112.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,224.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,224.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,380.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,380.23*	
		For 2 Coils, Independent Circuits, Add	*3,112.35*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,234.52	3,966.41
		For Economizer, Panel, Controls And Damper(s), Add	*3,208.03*	
		For Flat Filter Box And Throwaway Filters, Add	*2,539.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,909.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,208.12*	
		For Manual Roll Filter, Add	*12,977.45*	
		For Automatic Roll Filter, Add	*12,977.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,823.45*	
		For Electric Heating Coil, Add	*3,274.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,721.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,721.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,977.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,977.45*	
		For 2 Coils, Independent Circuits, Add	*3,274.74*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,808.94	4,296.11
		For Economizer, Panel, Controls And Damper(s), Add	*3,387.09*	
		For Flat Filter Box And Throwaway Filters, Add	*2,675.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,166.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,534.58*	
		For Manual Roll Filter, Add	*13,641.94*	
		For Automatic Roll Filter, Add	*13,641.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,980.89*	
		For Electric Heating Coil, Add	*3,454.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,272.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,272.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,641.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,641.94*	
		For 2 Coils, Independent Circuits, Add	*3,454.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,505.25	4,637.59
		For Economizer, Panel, Controls And Damper(s), Add	*3,168.84*	
		For Flat Filter Box And Throwaway Filters, Add	*2,819.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,439.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,881.89*	
		For Manual Roll Filter, Add	*14,344.62*	
		For Automatic Roll Filter, Add	*14,344.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,150.53*	
		For Electric Heating Coil, Add	*3,648.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,857.04*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,857.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,344.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,344.62*	
		For 2 Coils, Independent Circuits, Add	*3,648.04*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,391.48	4,814.82
		For Economizer, Panel, Controls And Damper(s), Add	*3,248.36*	
		For Flat Filter Box And Throwaway Filters, Add	*2,894.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,582.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,063.69*	
		For Manual Roll Filter, Add	*14,712.78*	
		For Automatic Roll Filter, Add	*14,712.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,239.15*	
		For Electric Heating Coil, Add	*3,749.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,163.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,163.08*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,712.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,712.78*	
		For 2 Coils, Independent Circuits, Add	*3,749.09*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	33,237.88	4,986.65
		For Economizer, Panel, Controls And Damper(s), Add	*3,315.93*	
		For Flat Filter Box And Throwaway Filters, Add	*2,967.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,722.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,241.51*	
		For Manual Roll Filter, Add	*15,076.94*	
		For Automatic Roll Filter, Add	*15,076.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,323.79*	
		For Electric Heating Coil, Add	*3,846.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,465.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,465.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,076.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,076.94*	
		For 2 Coils, Independent Circuits, Add	*3,846.15*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,592.87	5,187.06
		For Economizer, Panel, Controls And Damper(s), Add	*2,885.98*	
		For Flat Filter Box And Throwaway Filters, Add	*3,387.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,552.69*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,283.73*	
		For Manual Roll Filter, Add	*17,332.62*	
		For Automatic Roll Filter, Add	*17,332.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,759.29*	
		For Electric Heating Coil, Add	*4,362.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,316.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,316.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,332.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,332.62*	
		For 2 Coils, Independent Circuits, Add	*4,362.55*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	41,915.05	5,392.55
		For Economizer, Panel, Controls And Damper(s), Add	*3,083.77*	
		For Flat Filter Box And Throwaway Filters, Add	*3,806.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,381.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,322.68*	
		For Manual Roll Filter, Add	*19,585.02*	
		For Automatic Roll Filter, Add	*19,585.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,191.51*	
		For Electric Heating Coil, Add	*4,875.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,164.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,164.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,585.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,585.02*	
		For 2 Coils, Independent Circuits, Add	*4,875.66*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	48,221.52	5,595.92
		For Economizer, Panel, Controls And Damper(s), Add	*3,133.22*	
		For Flat Filter Box And Throwaway Filters, Add	*4,422.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,605.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,856.91*	
		For Manual Roll Filter, Add	*22,926.43*	
		For Automatic Roll Filter, Add	*22,926.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,822.15*	
		For Electric Heating Coil, Add	*5,626.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,903.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,903.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,926.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,926.43*	
		For 2 Coils, Independent Circuits, Add	*5,626.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	54,532.00	5,797.31
		For Economizer, Panel, Controls And Damper(s), Add	*3,183.36*	
		For Flat Filter Box And Throwaway Filters, Add	*5,039.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,830.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,391.55*	
		For Manual Roll Filter, Add	*26,268.24*	
		For Automatic Roll Filter, Add	*26,268.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,453.20*	
		For Electric Heating Coil, Add	*6,378.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,642.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,642.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,268.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,268.24*	
		For 2 Coils, Independent Circuits, Add	*6,378.31*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	61,242.24	6,285.51
		For Economizer, Panel, Controls And Damper(s), Add	*3,305.99*	
		For Flat Filter Box And Throwaway Filters, Add	*5,675.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,468.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,963.99*	
		For Manual Roll Filter, Add	*21,803.76*	
		For Automatic Roll Filter, Add	*27,030.28*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,124.22*	
		For Electric Heating Coil, Add	*7,169.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,803.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,803.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,350.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,030.28*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,030.28*	
		For 2 Coils, Independent Circuits, Add	*7,169.53*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	66,049.22	6,834.72
		For Economizer, Panel, Controls And Damper(s), Add	*3,221.55*	
		For Flat Filter Box And Throwaway Filters, Add	*6,119.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,130.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,055.75*	
		For Manual Roll Filter, Add	*23,506.58*	
		For Automatic Roll Filter, Add	*29,140.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,604.92*	
		For Electric Heating Coil, Add	*7,731.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,506.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,506.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,238.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,140.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,140.47*	
		For 2 Coils, Independent Circuits, Add	*7,731.70*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	78,845.72	7,383.68
		For Economizer, Panel, Controls And Damper(s), Add	*3,346.85*	
		For Flat Filter Box And Throwaway Filters, Add	*7,357.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,983.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,129.58*	
		For Manual Roll Filter, Add	*28,374.58*	
		For Automatic Roll Filter, Add	*35,204.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,884.57*	
		For Electric Heating Coil, Add	*9,250.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,374.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,374.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,714.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,204.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,204.58*	
		For 2 Coils, Independent Circuits, Add	*9,250.57*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	89,151.67	7,994.18
		For Economizer, Panel, Controls And Damper(s), Add	*3,475.61*	
		For Flat Filter Box And Throwaway Filters, Add	*8,344.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,460.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,577.31*	
		For Manual Roll Filter, Add	*32,239.46*	
		For Automatic Roll Filter, Add	*40,014.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,915.17*	
		For Electric Heating Coil, Add	*10,470.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,239.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,239.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,689.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,014.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,014.22*	
		For 2 Coils, Independent Circuits, Add	*10,470.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	96,632.73	8,604.69
		For Economizer, Panel, Controls And Damper(s), Add	*3,609.67*	
		For Flat Filter Box And Throwaway Filters, Add	*9,048.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,511.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,313.51*	
		For Manual Roll Filter, Add	*34,963.76*	
		For Automatic Roll Filter, Add	*43,397.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,663.27*	
		For Electric Heating Coil, Add	*11,349.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,963.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*34,963.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,096.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*43,397.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*43,397.25*	
		For 2 Coils, Independent Circuits, Add	*11,349.97*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	107,979.09	10,068.75
		For Economizer, Panel, Controls And Damper(s), Add	*3,626.24*	
		For Flat Filter Box And Throwaway Filters, Add	*10,079.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,047.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,839.29*	
		For Manual Roll Filter, Add	*38,880.66*	
		For Automatic Roll Filter, Add	*48,241.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,797.91*	
		For Electric Heating Coil, Add	*12,670.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,880.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,880.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,158.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*48,241.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*48,241.58*	
		For 2 Coils, Independent Circuits, Add	*12,670.09*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	108,516.55	10,435.16
		For Economizer, Panel, Controls And Damper(s), Add	*3,693.42*	
		For Flat Filter Box And Throwaway Filters, Add	*10,106.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,084.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,893.03*	
		For Manual Roll Filter, Add	*38,934.41*	
		For Automatic Roll Filter, Add	*48,295.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,851.66*	
		For Electric Heating Coil, Add	*12,723.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,934.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,934.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,212.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*48,295.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*48,295.33*	
		For 2 Coils, Independent Circuits, Add	*12,723.84*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	113,503.33	10,800.95
		For Economizer, Panel, Controls And Damper(s), Add	*3,760.60*	
		For Flat Filter Box And Throwaway Filters, Add	*10,578.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,789.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,059.11*	
		For Manual Roll Filter, Add	*40,767.89*	
		For Automatic Roll Filter, Add	*50,573.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,350.33*	
		For Electric Heating Coil, Add	*13,311.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,767.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*40,767.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,156.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,573.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,573.74*	
		For 2 Coils, Independent Circuits, Add	*13,311.50*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	118,742.69	11,594.61
		For Economizer, Panel, Controls And Damper(s), Add	*3,899.08*	
		For Flat Filter Box And Throwaway Filters, Add	*11,046.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,487.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,202.77*	
		For Manual Roll Filter, Add	*42,531.28*	
		For Automatic Roll Filter, Add	*52,750.28*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,874.27*	
		For Electric Heating Coil, Add	*13,918.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*42,531.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,531.28*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,093.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*52,750.28*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*52,750.28*	
		For 2 Coils, Independent Circuits, Add	*13,918.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	127,984.78	12,204.86
		For Economizer, Panel, Controls And Damper(s), Add	*3,999.80*	
		For Flat Filter Box And Throwaway Filters, Add	*11,930.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,809.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,392.44*	
		For Manual Roll Filter, Add	*45,986.40*	
		For Automatic Roll Filter, Add	*57,049.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,798.48*	
		For Electric Heating Coil, Add	*15,011.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*45,986.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*45,986.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,861.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*57,049.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*57,049.04*	
		For 2 Coils, Independent Circuits, Add	*15,011.01*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	137,596.19	12,876.13
		For Economizer, Panel, Controls And Damper(s), Add	*3,741.78*	
		For Flat Filter Box And Throwaway Filters, Add	*12,838.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,166.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,636.37*	
		For Manual Roll Filter, Add	*49,513.13*	
		For Automatic Roll Filter, Add	*61,430.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,759.62*	
		For Electric Heating Coil, Add	*16,143.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,513.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*49,513.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,677.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*61,430.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*61,430.96*	
		For 2 Coils, Independent Circuits, Add	*16,143.19*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	148,230.03	13,669.45
		For Economizer, Panel, Controls And Damper(s), Add	*3,851.74*	
		For Flat Filter Box And Throwaway Filters, Add	*13,847.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,673.11*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*34,129.90*	
		For Manual Roll Filter, Add	*53,436.79*	
		For Automatic Roll Filter, Add	*66,308.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,823.00*	
		For Electric Heating Coil, Add	*17,397.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*53,436.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*53,436.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,694.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*66,308.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*66,308.06*	
		For 2 Coils, Independent Circuits, Add	*17,397.26*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	159,042.24	14,035.59
		For Economizer, Panel, Controls And Damper(s), Add	*3,901.53*	
		For Flat Filter Box And Throwaway Filters, Add	*14,903.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,255.11*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,758.27*	
		For Manual Roll Filter, Add	*57,612.32*	
		For Automatic Roll Filter, Add	*71,515.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,904.22*	
		For Electric Heating Coil, Add	*18,684.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,612.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,612.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,806.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,515.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,515.01*	
		For 2 Coils, Independent Circuits, Add	*18,684.76*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	2,675.70	488.11
23 73 13 00-0090	EA	500 CFM Return Air Fan	3,472.73	585.75
23 73 13 00-0091	EA	750 CFM Return Air Fan	3,627.51	610.15
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	4,143.81	646.77
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	4,269.24	677.28
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	4,367.30	707.79
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	4,583.45	744.41
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	5,099.73	781.02
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	5,343.06	817.64
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	5,477.26	854.26
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	5,798.78	945.79
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	5,950.56	994.61
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	6,093.42	1,037.32
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	6,272.48	1,086.23
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	6,432.69	1,141.16
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	6,733.48	1,275.41
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	7,646.48	1,513.40
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	7,845.62	1,537.82
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	7,935.82	1,543.91
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	8,353.27	1,568.33
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	8,540.27	1,586.63
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	8,985.21	1,647.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	9,573.02	1,678.09
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	10,815.83	1,725.77
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	11,794.02	1,818.44
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	14,035.54	1,897.60
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	14,709.15	1,963.77
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	15,379.19	2,019.90
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	16,297.85	2,221.28
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	17,426.45	2,343.15
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	19,668.07	2,440.71
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	23,182.42	2,684.81
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	28,534.83	3,050.95
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	34,750.56	3,161.06
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	36,377.63	3,252.34
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	37,214.12	3,337.76
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	39,028.18	3,484.14
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	40,992.98	3,655.71
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	44,093.45	3,835.03
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	46,048.41	4,038.33
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	47,544.73	4,268.30
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	51,125.03	4,463.66
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	55,004.89	4,677.17
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	59,215.62	4,912.80
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	64,798.99	5,174.51

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	2,235.32	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,032.26	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	3,772.11	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	6,882.44	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 00-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16)*

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.7 EER, >11 to 20 tons have 11.7 EER, >20 to 63 tons have 10.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.

23 74 16 00-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	3,221.47	239.77
		For Unit Without Heat, Deduct	*-435.35*	
		For Unit Economizer, Add	*380.19*	
		For Equipment Base Roof Curbs, Add	*249.59*	
23 74 16 00-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	4,715.77	271.69
		For Unit Without Heat, Deduct	*-653.03*	
		For Unit Economizer, Add	*558.65*	
		For Equipment Base Roof Curbs, Add	*362.74*	
23 74 16 00-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	5,856.64	278.58
		For Unit Without Heat, Deduct	*-822.87*	
		For Unit Economizer, Add	*695.38*	
		For Equipment Base Roof Curbs, Add	*448.52*	
23 74 16 00-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	7,322.95	349.30
		For Unit Without Heat, Deduct	*-1,028.58*	
		For Unit Economizer, Add	*869.44*	
		For Equipment Base Roof Curbs, Add	*560.86*	
23 74 16 00-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	8,772.75	375.18
		For Unit Without Heat, Deduct	*-1,240.88*	
		For Unit Economizer, Add	*1,042.73*	
		For Equipment Base Roof Curbs, Add	*670.46*	
23 74 16 00-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	10,222.54	401.05
		For Unit Without Heat, Deduct	*-1,453.17*	
		For Unit Economizer, Add	*1,216.01*	
		For Equipment Base Roof Curbs, Add	*780.06*	
23 74 16 00-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	11,855.22	413.99
		For Unit Without Heat, Deduct	*-1,695.48*	
		For Unit Economizer, Add	*1,411.59*	
		For Equipment Base Roof Curbs, Add	*902.94*	
23 74 16 00-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	13,477.68	420.90
		For Unit Without Heat, Deduct	*-1,937.56*	
		For Unit Economizer, Add	*1,606.11*	
		For Equipment Base Roof Curbs, Add	*1,024.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,853.58	530.43
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-2,421.95*	
		For Unit Economizer, Add	*2,008.28*	
		For Equipment Base Roof Curbs, Add	*1,281.70*	
23 74 16 00-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,220.84	633.93
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-2,906.34*	
		For Unit Economizer, Add	*2,409.60*	
		For Equipment Base Roof Curbs, Add	*1,537.69*	
23 74 16 00-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,782.13	731.39
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-3,271.13*	
		For Unit Economizer, Add	*2,714.36*	
		For Equipment Base Roof Curbs, Add	*1,733.03*	
23 74 16 00-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,352.05	834.89
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-3,635.92*	
		For Unit Economizer, Add	*3,019.99*	
		For Equipment Base Roof Curbs, Add	*1,929.22*	
23 74 16 00-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,381.98	834.89
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-4,090.41*	
		For Unit Economizer, Add	*3,383.59*	
		For Equipment Base Roof Curbs, Add	*2,156.46*	
23 74 16 00-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	31,713.78	1,060.86
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-4,544.90*	
		For Unit Economizer, Add	*3,777.36*	
		For Equipment Base Roof Curbs, Add	*2,413.90*	
23 74 16 00-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,898.96	1,177.29
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-4,999.38*	
		For Unit Economizer, Add	*4,156.48*	
		For Equipment Base Roof Curbs, Add	*2,656.67*	
23 74 16 00-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,084.14	1,293.73
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-5,453.87*	
		For Unit Economizer, Add	*4,535.60*	
		For Equipment Base Roof Curbs, Add	*2,899.44*	
23 74 16 00-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	44,316.49	1,423.11
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-6,362.85*	
		For Unit Economizer, Add	*5,280.03*	
		For Equipment Base Roof Curbs, Add	*3,371.17*	
23 74 16 00-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	47,350.82	1,546.44
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-6,793.42*	
		For Unit Economizer, Add	*5,640.87*	
		For Equipment Base Roof Curbs, Add	*3,602.85*	
23 74 16 00-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	53,279.37	1,746.53
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-7,642.60*	
		For Unit Economizer, Add	*6,346.95*	
		For Equipment Base Roof Curbs, Add	*4,054.17*	
23 74 16 00-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	59,199.31	1,940.60
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-8,491.78*	
		For Unit Economizer, Add	*7,052.17*	
		For Equipment Base Roof Curbs, Add	*4,504.63*	
23 74 16 00-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	63,076.24	2,038.05
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-9,053.91*	
		For Unit Economizer, Add	*7,514.81*	
		For Equipment Base Roof Curbs, Add	*4,798.64*	
23 74 16 00-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	66,918.65	2,108.78
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-9,616.04*	
		For Unit Economizer, Add	*7,974.00*	
		For Equipment Base Roof Curbs, Add	*5,089.19*	
23 74 16 00-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	72,398.88	2,212.27
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-10,417.38*	
		For Unit Economizer, Add	*8,628.87*	
		For Equipment Base Roof Curbs, Add	*5,503.66*	
23 74 16 00-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	77,879.13	2,315.77
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-11,218.71*	
		For Unit Economizer, Add	*9,283.74*	
		For Equipment Base Roof Curbs, Add	*5,918.13*	
23 74 16 00-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	82,960.70	2,419.27
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-11,960.25*	
		For Unit Economizer, Add	*9,890.77*	
		For Equipment Base Roof Curbs, Add	*6,302.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0027		**Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units** *(23 74 16)* Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel.		
23 74 16 00-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	4,116.86	239.77
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-189.89*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-75.95*	
		For Unit Economizer, Add	*487.64*	
		For Equipment Base Roof Curb, Add	*316.74*	
23 74 16 00-0029	EA	3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit	4,203.96	271.69
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-192.09*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-76.83*	
		For Unit Economizer, Add	*497.23*	
		For Equipment Base Roof Curb, Add	*324.35*	
23 74 16 00-0030	EA	4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,923.73	278.58
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-227.64*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-91.06*	
		For Unit Economizer, Add	*583.43*	
		For Equipment Base Roof Curb, Add	*378.55*	
23 74 16 00-0031	EA	5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit	5,549.73	349.30
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-254.20*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-101.68*	
		For Unit Economizer, Add	*656.65*	
		For Equipment Base Roof Curb, Add	*427.87*	
23 74 16 00-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	6,406.45	375.18
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-295.31*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-118.12*	
		For Unit Economizer, Add	*758.77*	
		For Equipment Base Roof Curb, Add	*492.99*	
23 74 16 00-0033	EA	7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	8,177.33	401.05
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-382.13*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-152.85*	
		For Unit Economizer, Add	*970.58*	
		For Equipment Base Roof Curb, Add	*626.67*	
23 74 16 00-0034	EA	8.5 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit	9,111.28	413.99
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-427.96*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-171.19*	
		For Unit Economizer, Add	*1,082.31*	
		For Equipment Base Roof Curb, Add	*697.15*	
23 74 16 00-0035	EA	10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	10,710.65	420.90
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-507.50*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-203.00*	
		For Unit Economizer, Add	*1,274.07*	
		For Equipment Base Roof Curb, Add	*817.31*	
23 74 16 00-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	12,876.80	530.43
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-608.48*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-243.39*	
		For Unit Economizer, Add	*1,531.07*	
		For Equipment Base Roof Curb, Add	*983.44*	
23 74 16 00-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	16,004.74	633.93
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-757.98*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-303.19*	
		For Unit Economizer, Add	*1,903.66*	
		For Equipment Base Roof Curb, Add	*1,221.49*	
23 74 16 00-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	19,071.59	731.39
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-904.85*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-361.94*	
		For Unit Economizer, Add	*2,269.10*	
		For Equipment Base Roof Curb, Add	*1,454.73*	
23 74 16 00-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	22,157.56	834.89
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,052.25*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-420.90*	
		For Unit Economizer, Add	*2,636.66*	
		For Equipment Base Roof Curb, Add	*1,689.63*	
23 74 16 00-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	24,884.04	947.87
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,181.02*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-472.41*	
		For Unit Economizer, Add	*2,960.81*	
		For Equipment Base Roof Curb, Add	*1,897.89*	
23 74 16 00-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	22,726.95	1,060.86
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,065.62*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-426.25*	
		For Unit Economizer, Add	*2,698.94*	
		For Equipment Base Roof Curb, Add	*1,739.88*	
23 74 16 00-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	25,688.41	1,177.29
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,205.93*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-482.37*	
		For Unit Economizer, Add	*3,051.21*	
		For Equipment Base Roof Curb, Add	*1,965.87*	
23 74 16 00-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	23,661.66	1,293.73
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,096.83*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-438.73*	
		For Unit Economizer, Add	*2,804.90*	
		For Equipment Base Roof Curb, Add	*1,817.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	31,088.68	1,423.11
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,459.56*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-583.82*	
		For Unit Economizer, Add	*3,692.69*	
		For Equipment Base Roof Curb, Add	*2,379.09*	
23 74 16 00-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	32,469.50	1,546.44
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,520.41*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-608.16*	
		For Unit Economizer, Add	*3,855.11*	
		For Equipment Base Roof Curb, Add	*2,486.75*	
23 74 16 00-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	40,122.54	1,746.53
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,889.69*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-755.88*	
		For Unit Economizer, Add	*4,768.13*	
		For Equipment Base Roof Curb, Add	*3,067.41*	
23 74 16 00-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	39,951.16	1,940.60
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,868.19*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-747.27*	
		For Unit Economizer, Add	*4,742.39*	
		For Equipment Base Roof Curb, Add	*3,061.02*	
23 74 16 00-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	50,555.80	2,038.05
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,391.95*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-956.78*	
		For Unit Economizer, Add	*6,012.36*	
		For Equipment Base Roof Curb, Add	*3,859.61*	
23 74 16 00-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	51,227.67	2,108.78
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,420.80*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-968.32*	
		For Unit Economizer, Add	*6,091.09*	
		For Equipment Base Roof Curb, Add	*3,912.37*	
23 74 16 00-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	60,031.23	2,212.27
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,854.08*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,141.63*	
		For Unit Economizer, Add	*7,144.75*	
		For Equipment Base Roof Curb, Add	*4,576.08*	
23 74 16 00-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	65,309.82	2,315.77
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,111.11*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,244.44*	
		For Unit Economizer, Add	*7,775.42*	
		For Equipment Base Roof Curb, Add	*4,975.43*	
23 74 16 00-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	69,555.05	2,419.27
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,316.47*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,326.59*	
		For Unit Economizer, Add	*8,282.09*	
		For Equipment Base Roof Curb, Add	*5,297.27*	
23 74 16 00-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	66,526.88	2,529.67
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,157.73*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,263.09*	
		For Unit Economizer, Add	*7,915.78*	
		For Equipment Base Roof Curb, Add	*5,073.82*	
23 74 16 00-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	78,078.44	2,646.11
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,727.54*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,491.02*	
		For Unit Economizer, Add	*9,298.86*	
		For Equipment Base Roof Curb, Add	*5,944.07*	
23 74 16 00-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	84,035.25	2,910.89
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-4,007.70*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,603.08*	
		For Unit Economizer, Add	*10,006.61*	
		For Equipment Base Roof Curb, Add	*6,399.67*	

23 74 16 00-0056 Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16)*

Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.

23 74 16 00-0057	EA	2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,749.08	239.77
		For Unit Economizer, Add	*563.51*	
		For Equipment Base Roof Curb, Add	*364.16*	
23 74 16 00-0058	EA	3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit	5,249.71	271.69
		For Unit Economizer, Add	*622.72*	
		For Equipment Base Roof Curb, Add	*402.78*	
23 74 16 00-0059	EA	4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit	6,135.76	278.58
		For Unit Economizer, Add	*728.87*	
		For Equipment Base Roof Curb, Add	*469.45*	
23 74 16 00-0060	EA	5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit	7,028.33	349.30
		For Unit Economizer, Add	*834.08*	
		For Equipment Base Roof Curb, Add	*538.77*	
23 74 16 00-0061	EA	6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	8,173.47	375.18
		For Unit Economizer, Add	*970.81*	
		For Equipment Base Roof Curb, Add	*625.52*	
23 74 16 00-0062	EA	7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	10,593.88	401.05
		For Unit Economizer, Add	*1,260.57*	
		For Equipment Base Roof Curb, Add	*807.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0063	EA	8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit	12,716.22	413.99
		For Unit Economizer, Add	*1,514.91*	
		For Equipment Base Roof Curb, Add	*967.52*	
23 74 16 00-0064	EA	10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit	14,829.25	420.90
		For Unit Economizer, Add	*1,768.30*	
		For Equipment Base Roof Curb, Add	*1,126.21*	
23 74 16 00-0065	EA	12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit	17,030.54	530.43
		For Unit Economizer, Add	*2,029.52*	
		For Equipment Base Roof Curb, Add	*1,294.97*	
23 74 16 00-0066	EA	15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit	19,220.13	633.93
		For Unit Economizer, Add	*2,289.51*	
		For Equipment Base Roof Curb, Add	*1,462.64*	
23 74 16 00-0067	EA	17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	25,063.81	731.39
		For Unit Economizer, Add	*2,988.17*	
		For Equipment Base Roof Curb, Add	*1,904.15*	
23 74 16 00-0068	EA	20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	30,912.26	834.89
		For Unit Economizer, Add	*3,687.22*	
		For Equipment Base Roof Curb, Add	*2,346.23*	
23 74 16 00-0069	EA	22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit	33,902.49	947.87
		For Unit Economizer, Add	*4,043.03*	
		For Equipment Base Roof Curb, Add	*2,574.28*	
23 74 16 00-0070	EA	25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit	36,892.49	1,060.86
		For Unit Economizer, Add	*4,398.81*	
		For Equipment Base Roof Curb, Add	*2,802.30*	
23 74 16 00-0071	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	43,679.13	1,293.73
		For Unit Economizer, Add	*5,207.00*	
		For Equipment Base Roof Curb, Add	*3,319.06*	
23 74 16 00-0072	EA	35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit	50,187.53	1,423.11
		For Unit Economizer, Add	*5,984.55*	
		For Equipment Base Roof Curb, Add	*3,811.50*	
23 74 16 00-0073	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	56,686.21	1,546.44
		For Unit Economizer, Add	*6,761.12*	
		For Equipment Base Roof Curb, Add	*4,303.00*	
23 74 16 00-0074	EA	45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	62,819.69	1,746.53
		For Unit Economizer, Add	*7,491.79*	
		For Equipment Base Roof Curb, Add	*4,769.69*	
23 74 16 00-0075	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	68,944.48	1,940.60
		For Unit Economizer, Add	*8,221.59*	
		For Equipment Base Roof Curb, Add	*5,235.52*	
23 74 16 00-0076	EA	55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	73,438.79	2,038.05
		For Unit Economizer, Add	*8,758.32*	
		For Equipment Base Roof Curb, Add	*5,575.83*	
23 74 16 00-0077	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	77,897.45	2,108.78
		For Unit Economizer, Add	*9,291.46*	
		For Equipment Base Roof Curb, Add	*5,912.60*	
23 74 16 00-0078	EA	65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit	86,483.49	2,212.27
		For Unit Economizer, Add	*10,319.02*	
		For Equipment Base Roof Curb, Add	*6,560.00*	
23 74 16 00-0079	EA	70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit	95,069.14	2,315.77
		For Unit Economizer, Add	*11,346.54*	
		For Equipment Base Roof Curb, Add	*7,207.38*	
23 74 16 00-0080	EA	75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	103,661.17	2,419.27
		For Unit Economizer, Add	*12,374.83*	
		For Equipment Base Roof Curb, Add	*7,855.23*	
23 74 16 00-0081	EA	80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit	112,251.36	2,529.67
		For Unit Economizer, Add	*13,402.72*	
		For Equipment Base Roof Curb, Add	*8,503.16*	
23 74 16 00-0082	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit	130,147.03	2,646.11
		For Unit Economizer, Add	*15,547.09*	
		For Equipment Base Roof Curb, Add	*9,849.22*	
23 74 16 00-0083	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit	146,361.10	2,910.89
		For Unit Economizer, Add	*17,485.71*	
		For Equipment Base Roof Curb, Add	*11,074.11*	

23 74 16 00-0084 AAON Rooftop Units *(23 74 16)*

Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.

23 74 16 00-0085 AAON RQ Rooftop Units *(23 74 16 00-0084)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 00-0086	EA	2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	5,952.32	172.50
		For Factory Installed And Wired Dry Bulb Economizer, Add	*708.93*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*769.14*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*605.54*	
		For Factory Installed Non-Fused Disconnect, Add	*693.02*	
		For Factory Installed Exhaust Fan, Add	*3,533.27*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*824.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0087	EA	3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	6,412.65	181.13
		For Factory Installed And Wired Dry Bulb Economizer, Add	*760.05*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*824.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*648.71*	
		For Factory Installed Non-Fused Disconnect, Add	*743.01*	
		For Factory Installed Exhaust Fan, Add	*3,533.27*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*824.81*	
23 74 16 00-0088	EA	4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	6,531.01	189.74
		For Factory Installed And Wired Dry Bulb Economizer, Add	*760.05*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*824.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*648.71*	
		For Factory Installed Non-Fused Disconnect, Add	*743.01*	
		For Factory Installed Exhaust Fan, Add	*3,533.27*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*824.81*	
23 74 16 00-0089	EA	5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	6,638.01	207.00
		For Factory Installed And Wired Dry Bulb Economizer, Add	*760.05*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*824.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*648.71*	
		For Factory Installed Non-Fused Disconnect, Add	*743.01*	
		For Factory Installed Exhaust Fan, Add	*3,533.27*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*824.81*	
23 74 16 00-0090	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	7,263.08	215.62
		For Factory Installed And Wired Dry Bulb Economizer, Add	*760.05*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*824.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*648.71*	
		For Factory Installed Non-Fused Disconnect, Add	*743.01*	
		For Factory Installed Exhaust Fan, Add	*3,533.27*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*824.81*	

23 74 16 00-0091 AAON RNA Rooftop Units *(23 74 16 00-0084)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 00-0092	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	9,053.78	224.25
		For Factory Installed And Wired Dry Bulb Economizer, Add	*739.60*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,136.10*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*757.78*	
		For Factory Installed Non-Fused Disconnect, Add	*699.84*	
		For Factory Installed Exhaust Fan, Add	*1,887.06*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*643.03*	
23 74 16 00-0093	EA	7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	9,700.64	241.49
		For Factory Installed And Wired Dry Bulb Economizer, Add	*739.60*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,136.10*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*757.78*	
		For Factory Installed Non-Fused Disconnect, Add	*699.84*	
		For Factory Installed Exhaust Fan, Add	*1,887.06*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*643.03*	
23 74 16 00-0094	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	11,221.16	258.75
		For Factory Installed And Wired Dry Bulb Economizer, Add	*739.60*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,136.10*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*757.78*	
		For Factory Installed Non-Fused Disconnect, Add	*699.84*	
		For Factory Installed Exhaust Fan, Add	*1,887.06*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*643.03*	
23 74 16 00-0095	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	11,333.11	284.63
		For Factory Installed And Wired Dry Bulb Economizer, Add	*739.60*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,136.10*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*757.78*	
		For Factory Installed Non-Fused Disconnect, Add	*699.84*	
		For Factory Installed Exhaust Fan, Add	*1,887.06*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*643.03*	

23 74 16 00-0096 AAON RNB Rooftop Units *(23 74 16 00-0084)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 00-0097	EA	9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	13,690.52	284.63
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,089.52*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*852.08*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*1,799.58*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*646.44*	
23 74 16 00-0098	EA	11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	13,935.15	319.12
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,089.52*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*852.08*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*1,799.58*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*646.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0099	EA	13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	15,160.70	353.62
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,089.52*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*852.08*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*1,799.58*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*646.44*	
23 74 16 00-0100	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	15,493.28	388.12
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,089.52*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*852.08*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*1,799.58*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*646.44*	

23 74 16 00-0101 AAON RNC Rooftop Units *(23 74 16 00-0084)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 00-0102	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	20,438.42	422.62
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,608.72*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,136.10*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*3,300.37*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*294.25*	
23 74 16 00-0103	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	22,100.22	457.12
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,608.72*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,136.10*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*3,300.37*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*294.25*	
23 74 16 00-0104	EA	20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	23,424.15	491.62
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,608.72*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,136.10*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*3,300.37*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*294.25*	
23 74 16 00-0105	EA	25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	25,081.12	560.61
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,608.72*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,136.10*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*3,300.37*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*294.25*	
23 74 16 00-0106	EA	30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	28,314.99	638.24
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,608.72*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,136.10*	
		For Factory Installed Non-Fused Disconnect, Add	*675.98*	
		For Factory Installed Exhaust Fan, Add	*3,300.37*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*294.25*	

23 74 16 00-0107 AAON RND Rooftop Units *(23 74 16 00-0084)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 00-0108	EA	26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	39,370.44	707.24
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	
23 74 16 00-0109	EA	31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	44,701.56	776.24
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	
23 74 16 00-0110	EA	40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	52,039.39	879.74
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	
23 74 16 00-0111	EA	50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	60,551.27	991.86
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	
23 74 16 00-0112	EA	60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	65,919.11	1,095.36
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	
23 74 16 00-0113	EA	70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	69,246.97	1,198.86
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,420.12*	
		For Factory Installed Non-Fused Disconnect, Add	*1,538.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,158.59*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0114		**AAON RNE Rooftop Units** *(23 74 16 00-0084)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0115	EA	55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	65,006.50	1,336.85
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0116	EA	65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	71,386.31	1,483.47
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0117	EA	75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	75,876.09	1,621.48
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0118	EA	95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	90,286.98	1,768.10
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0119	EA	105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	97,226.57	1,940.60
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0120	EA	120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	113,887.76	2,113.09
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0121	EA	130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	116,430.65	2,294.22
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0122	EA	140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	121,145.77	2,466.71
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,604.17*	
		For Factory Installed Non-Fused Disconnect, Add	*2,304.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*3,067.47*	
23 74 16 00-0123		**Heating Only Packaged Rooftop Units** *(23 74 16)* Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.		
23 74 16 00-0124	EA	24 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,177.54	267.37
		For Gas Heat, Add	*211.73*	
23 74 16 00-0125	EA	32 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,752.31	310.50
		For Gas Heat, Add	*250.24*	
23 74 16 00-0126	EA	45 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,187.07	319.12
		For Gas Heat, Add	*350.33*	
23 74 16 00-0127	EA	60 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,007.64	405.37
		For Gas Heat, Add	*404.49*	
23 74 16 00-0128	EA	95 MBH Electric Heating Only Self Contained Package Rooftop Unit	7,114.04	465.74
		For Gas Heat, Add	*479.35*	
23 74 16 00-0129	EA	112 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,056.59	500.24
		For Gas Heat, Add	*543.78*	
23 74 16 00-0130	EA	140 MBH Electric Heating Only Self Contained Package Rooftop Unit	9,671.60	543.37
		For Gas Heat, Add	*655.79*	
23 74 16 00-0131	EA	170 MBH Electric Heating Only Self Contained Package Rooftop Unit	12,566.00	560.61
		For Gas Heat, Add	*857.02*	
23 74 16 00-0132	EA	200 MBH Electric Heating Only Self Contained Package Rooftop Unit	16,924.48	638.24
		For Gas Heat, Add	*1,159.36*	
23 74 16 00-0133	EA	230 MBH Electric Heating Only Self Contained Package Rooftop Unit	19,930.13	707.24
		For Gas Heat, Add	*1,366.82*	
23 74 16 00-0134	EA	270 MBH Electric Heating Only Self Contained Package Rooftop Unit	26,298.26	862.48
		For Gas Heat, Add	*1,806.38*	
23 74 16 00-0135	EA	330 MBH Electric Heating Only Self Contained Package Rooftop Unit	32,966.14	1,034.98
		For Gas Heat, Add	*2,266.40*	
23 74 16 00-0136	EA	360 MBH Electric Heating Only Self Contained Package Rooftop Unit	41,116.35	1,293.73
		For Gas Heat, Add	*2,826.40*	
23 74 16 00-0137	EA	450 MBH Electric Heating Only Self Contained Package Rooftop Unit	49,917.71	1,414.48
		For Gas Heat, Add	*3,438.01*	
23 74 16 00-0138	EA	540 MBH Electric Heating Only Self Contained Package Rooftop Unit	64,501.20	1,690.47
		For Gas Heat, Add	*4,447.64*	
23 74 16 00-0139		**Heat Pump, Packaged Rooftop Heat Pump Units** *(23 74 16)* Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0140		**Packaged Rooftop Heat Pump Units** *(23 74 16 00-0139)* Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 00-0141	EA	2 Ton Packaged Rooftop Heat Pump	5,562.46	353.62
		For Economizer With Outside Air Control, Add	*1,373.22*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*242.76*	
23 74 16 00-0142	EA	2.5 Ton Packaged Rooftop Heat Pump	5,819.00	370.87
		For Economizer With Outside Air Control, Add	*1,439.60*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.43*	
23 74 16 00-0143	EA	3 Ton Packaged Rooftop Heat Pump	6,137.52	405.37
		For Economizer With Outside Air Control, Add	*1,521.49*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*266.77*	
23 74 16 00-0144	EA	3.5 Ton Packaged Rooftop Heat Pump	6,589.90	431.25
		For Economizer With Outside Air Control, Add	*1,407.75*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*285.94*	
23 74 16 00-0145	EA	4 Ton Packaged Rooftop Heat Pump	7,033.66	465.74
		For Economizer With Outside Air Control, Add	*1,503.11*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*305.11*	
23 74 16 00-0146	EA	5 Ton Packaged Rooftop Heat Pump	7,539.87	500.24
		For Economizer With Outside Air Control, Add	*1,614.78*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*261.23*	
23 74 16 00-0147	EA	6 Ton Packaged Rooftop Heat Pump	8,546.40	534.74
		For Economizer With Outside Air Control, Add	*1,805.82*	
		For Economizer With Outside Air Control, Add	*1,357.20*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*224.31*	
23 74 16 00-0148	EA	7.5 Ton Packaged Rooftop Heat Pump	11,462.71	560.61
		For Economizer With Outside Air Control, Add	*1,804.87*	
		For Economizer With Outside Air Control, Add	*1,701.54*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*309.99*	
23 74 16 00-0149	EA	8.5 Ton Packaged Rooftop Heat Pump	12,886.58	603.74
		For Economizer With Outside Air Control, Add	*1,885.08*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*350.63*	
23 74 16 00-0150	EA	10 Ton Packaged Rooftop Heat Pump	13,968.59	638.24
		For Economizer With Outside Air Control, Add	*1,904.00*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*254.01*	
23 74 16 00-0151	EA	12.5 Ton Packaged Rooftop Heat Pump	16,420.30	707.24
		For Economizer With Outside Air Control, Add	*2,207.82*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*300.12*	
23 74 16 00-0152	EA	15 Ton Packaged Rooftop Heat Pump	18,863.38	776.24
		For Economizer With Outside Air Control, Add	*2,507.33*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*346.22*	
23 74 16 00-0153	EA	17.5 Ton Packaged Rooftop Heat Pump	21,141.13	810.73
		For Economizer With Outside Air Control, Add	*2,735.11*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*391.77*	
23 74 16 00-0154	EA	20 Ton Packaged Rooftop Heat Pump	23,556.87	845.24
		For Economizer With Outside Air Control, Add	*3,031.88*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*437.33*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001		**Make-Up Air Units** *(23 74 23 13)* Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 23 13-0002		**Gas-Fired Electric Spark Make-Up Air Units** *(23 74 23 13-0001)* Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,549.17	388.12
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,170.69*	
		For Equipment Base Roof Curb, Add	*360.59*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,852.22	439.87
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,533.58*	
		For Equipment Base Roof Curb, Add	*461.13*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,094.72	517.49
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,169.67*	
		For Equipment Base Roof Curb, Add	*632.98*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,178.15	551.99
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,175.29*	
		For Equipment Base Roof Curb, Add	*641.18*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,109.14	620.99
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,022.25*	
		For Equipment Base Roof Curb, Add	*864.24*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,764.86	776.24
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,641.34*	
		For Equipment Base Roof Curb, Add	*1,296.18*	
23 74 23 13-0009		**Electric Make-Up Air Units** *(23 74 23 13-0001)* Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	9,194.95	388.12
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,564.43*	
		For Equipment Base Roof Curb, Add	*709.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	13,102.73	439.87
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,708.73*	
		For Equipment Base Roof Curb, Add	*1,004.91*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	16,220.39	517.49
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,607.37*	
		For Equipment Base Roof Curb, Add	*1,242.40*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	20,964.35	620.99
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,978.81*	
		For Equipment Base Roof Curb, Add	*1,603.38*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	33,804.71	776.24
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,753.29*	
		For Equipment Base Roof Curb, Add	*2,574.17*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,120.42	275.99
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,322.95	321.99
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,706.46	367.99
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,859.19	413.98
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,133.38	459.97
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,298.25	505.97

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,080.48	258.04
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,147.05	266.39
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,560.73	369.97
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,453.83	436.71
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,914.97	639.35
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,772.72	681.97
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,231.43	767.22
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,394.85	959.01
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,444.75	1,253.63
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,278.33	1,278.69
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,724.04	1,420.80
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,727.73	2,219.97
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,135.41	2,316.47
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	14,560.64	2,421.76

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,226.16	172.49
		For >35 To 70, Deduct	*-26.44*	
		For >70 To 100, Deduct	*-44.06*	
		For >100, Deduct	*-61.68*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,290.23	197.24
		For >35 To 70, Deduct	*-26.89*	
		For >70 To 100, Deduct	*-44.81*	
		For >100, Deduct	*-62.73*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,366.76	210.20
		For >35 To 70, Deduct	*-28.38*	
		For >70 To 100, Deduct	*-47.29*	
		For >100, Deduct	*-66.21*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,476.08	225.95
		For >35 To 70, Deduct	*-30.73*	
		For >70 To 100, Deduct	*-51.22*	
		For >100, Deduct	*-71.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0007		**Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners** *(23 81 13 11-0001)*		
23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,291.71	175.02
		For >35 To 70, Deduct	*-28.27*	
		For >70 To 100, Deduct	*-47.11*	
		For >100, Deduct	*-65.96*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,369.91	197.24
		For >35 To 70, Deduct	*-29.28*	
		For >70 To 100, Deduct	*-48.79*	
		For >100, Deduct	*-68.31*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,424.50	210.20
		For >35 To 70, Deduct	*-30.11*	
		For >70 To 100, Deduct	*-50.18*	
		For >100, Deduct	*-70.25*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,552.30	225.95
		For >35 To 70, Deduct	*-33.02*	
		For >70 To 100, Deduct	*-55.03*	
		For >100, Deduct	*-77.04*	
23 81 13 11-0012		**Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve** *(23 81 13 11)*		
		Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	91.41	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	103.58	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	115.73	
23 81 13 11-0016		**Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units** *(23 81 13 11)*		
		Note: Includes storage and cleaning.		
23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	183.99	
23 81 13 13		**Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)*		
23 81 13 13-0001		**Single Package Vertical Wall Cooling Unit** *(23 81 13 13)*		
		Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,893.28	209.81
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,918.04	219.80
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,734.73	229.80
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,893.95	249.77
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,153.48	289.74
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,970.79	359.67
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,253.60	399.64
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,595.30	449.60
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,424.56	539.52
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	21,230.24	669.40
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	25,332.14	899.19
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	35,505.77	1,099.02
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	40,907.86	1,308.83
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	48,885.61	1,468.68
23 81 16		**Room Air-Conditioners** *(23 81)*		
		Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		**Window Unit, Room Air-Conditioners** *(23 81 16)*		
23 81 16 00-0002		**Cooling Only, Window Unit, Room Air-Conditioners** *(23 81 16 00-0001)*		
23 81 16 00-0003		**Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire)** *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	511.93	96.59
		For >10 To 50, Deduct	*-15.94*	
		For >50 To 75, Deduct	*-22.31*	
		For >75 To 100, Deduct	*-31.87*	
		For >100, Deduct	*-38.25*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	543.96	96.59
		For >10 To 50, Deduct	*-17.54*	
		For >50 To 75, Deduct	*-24.55*	
		For >75 To 100, Deduct	*-35.08*	
		For >100, Deduct	*-42.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	624.05	96.59
		For >10 To 50, Deduct	*-21.54*	
		For >50 To 75, Deduct	*-30.16*	
		For >75 To 100, Deduct	*-43.09*	
		For >100, Deduct	*-51.70*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	736.17	96.59
		For >10 To 50, Deduct	*-27.15*	
		For >50 To 75, Deduct	*-38.01*	
		For >75 To 100, Deduct	*-54.30*	
		For >100, Deduct	*-65.16*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	880.32	96.59
		For >10 To 50, Deduct	*-34.36*	
		For >50 To 75, Deduct	*-48.10*	
		For >75 To 100, Deduct	*-68.71*	
		For >100, Deduct	*-82.46*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,040.49	96.59
		For >10 To 50, Deduct	*-42.37*	
		For >50 To 75, Deduct	*-59.31*	
		For >75 To 100, Deduct	*-84.73*	
		For >100, Deduct	*-101.68*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	976.42	96.59
		For >10 To 50, Deduct	*-39.16*	
		For >50 To 75, Deduct	*-54.83*	
		For >75 To 100, Deduct	*-78.32*	
		For >100, Deduct	*-93.99*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,056.51	96.59
		For >10 To 50, Deduct	*-43.17*	
		For >50 To 75, Deduct	*-60.43*	
		For >75 To 100, Deduct	*-86.33*	
		For >100, Deduct	*-103.60*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,120.57	96.59
		For >10 To 50, Deduct	*-46.37*	
		For >50 To 75, Deduct	*-64.92*	
		For >75 To 100, Deduct	*-92.74*	
		For >100, Deduct	*-111.29*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,184.64	96.59
		For >10 To 50, Deduct	*-49.57*	
		For >50 To 75, Deduct	*-69.40*	
		For >75 To 100, Deduct	*-99.15*	
		For >100, Deduct	*-118.97*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,312.78	96.59
		For >10 To 50, Deduct	*-55.98*	
		For >50 To 75, Deduct	*-78.37*	
		For >75 To 100, Deduct	*-111.96*	
		For >100, Deduct	*-134.35*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,328.80	96.59
		For >10 To 50, Deduct	*-56.78*	
		For >50 To 75, Deduct	*-79.49*	
		For >75 To 100, Deduct	*-113.56*	
		For >100, Deduct	*-136.27*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,112.72	96.59
		For >10 To 50, Deduct	*-45.98*	
		For >50 To 75, Deduct	*-64.37*	
		For >75 To 100, Deduct	*-91.95*	
		For >100, Deduct	*-110.34*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,223.64	96.59
23 81 16 00-0019	EA	9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B)	1,323.46	96.59
23 81 16 00-0020	EA	11,900 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,356.74	96.59
23 81 16 00-0021	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,462.11	96.59
23 81 16 00-0022	EA	17,500 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30A)	1,578.58	96.59
23 81 16 00-0023	EA	24,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,111.00	96.59
23 81 16 00-0024	EA	28,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B)	2,188.64	96.59
23 81 16 00-0025	EA	36,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,443.76	96.59

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,120.57	96.59
		For >10 To 50, Deduct	*-46.37*	
		For >50 To 75, Deduct	*-64.92*	
		For >75 To 100, Deduct	*-92.74*	
		For >100, Deduct	*-111.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,296.76	96.59
		For >10 To 50, Deduct	*-55.18*	
		For >50 To 75, Deduct	*-77.25*	
		For >75 To 100, Deduct	*-110.36*	
		For >100, Deduct	*-132.43*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,392.86	96.59
		For >10 To 50, Deduct	*-59.98*	
		For >50 To 75, Deduct	*-83.98*	
		For >75 To 100, Deduct	*-119.97*	
		For >100, Deduct	*-143.96*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,745.24	96.59
		For >10 To 50, Deduct	*-77.60*	
		For >50 To 75, Deduct	*-108.64*	
		For >75 To 100, Deduct	*-155.21*	
		For >100, Deduct	*-186.25*	
23 81 16 00-0032		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,033.54	96.59
23 81 16 00-0034		Accessories *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	363.71	50.93
23 81 16 00-0036		Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)* Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	115.00	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	255.36	
23 81 16 00-0039		Through-The-Wall, Room Air-Conditioners *(23 81 16)* Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0041		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,305.63	69.00
		For >10 To 50, Deduct	*-58.38*	
		For >50 To 75, Deduct	*-81.73*	
		For >75 To 100, Deduct	*-116.76*	
		For >100, Deduct	*-140.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0043	EA	9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10)	1,401.73	69.00
		For >10 To 50, Deduct	*-63.19*	
		For >50 To 75, Deduct	*-88.46*	
		For >75 To 100, Deduct	*-126.37*	
		For >100, Deduct	*-151.65*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,609.95	69.00
		For >10 To 50, Deduct	*-73.60*	
		For >50 To 75, Deduct	*-103.04*	
		For >75 To 100, Deduct	*-147.20*	
		For >100, Deduct	*-176.64*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0045	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10C30D)	1,409.74	69.00
		For >10 To 50, Deduct	*-63.59*	
		For >50 To 75, Deduct	*-89.02*	
		For >75 To 100, Deduct	*-127.18*	
		For >100, Deduct	*-152.61*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0046	EA	11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12C30D)	1,601.94	69.00
		For >10 To 50, Deduct	*-73.20*	
		For >50 To 75, Deduct	*-102.48*	
		For >75 To 100, Deduct	*-146.40*	
		For >100, Deduct	*-175.67*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0047		Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0048		Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,658.00	69.00
		For >10 To 50, Deduct	*-76.00*	
		For >50 To 75, Deduct	*-106.40*	
		For >75 To 100, Deduct	*-152.00*	
		For >100, Deduct	*-182.40*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,738.09	69.00
		For >10 To 50, Deduct	*-80.01*	
		For >50 To 75, Deduct	*-112.01*	
		For >75 To 100, Deduct	*-160.01*	
		For >100, Deduct	*-192.01*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 00-0001 Floor Mounted Air Cooled Direct Expansion Type *(23 81 23)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	27,647.96	1,963.55
		For Liebert Unit, Add	*3,087.42*	
23 81 23 00-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	30,514.54	2,147.63
		For Liebert Unit, Add	*3,409.41*	
23 81 23 00-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	42,199.53	2,454.44
		For Liebert Unit, Add	*4,818.62*	
23 81 23 00-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	46,185.63	2,607.84
		For Liebert Unit, Add	*5,288.36*	
23 81 23 00-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	50,171.74	2,761.24
		For Liebert Unit, Add	*5,758.10*	
23 81 23 00-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	56,231.49	3,313.49
		For Liebert Unit, Add	*6,403.97*	
23 81 23 00-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	63,526.65	3,681.66
		For Liebert Unit, Add	*7,256.34*	
23 81 23 00-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	66,462.79	3,803.09
		For Liebert Unit, Add	*7,597.18*	
23 81 23 00-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	72,347.83	3,927.11
		For Liebert Unit, Add	*8,306.34*	
23 81 23 00-0011	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	78,259.82	4,417.98
		For Liebert Unit, Add	*8,961.09*	

23 81 23 00-0012 Floor Mounted Chilled Water Type *(23 81 23)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0020 for chilled water source.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,675.62	1,345.43
		For Liebert Unit, Add	*2,110.21*	
23 81 23 00-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,070.97	1,490.33
		For Liebert Unit, Add	*2,260.48*	
23 81 23 00-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,841.23	2,269.99
		For Liebert Unit, Add	*2,726.82*	
23 81 23 00-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,968.73	2,299.88
		For Liebert Unit, Add	*2,862.82*	
23 81 23 00-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,967.46	2,391.88
		For Liebert Unit, Add	*2,970.75*	
23 81 23 00-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,607.24	2,621.87
		For Liebert Unit, Add	*3,013.92*	
23 81 23 00-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	29,287.73	2,851.86
		For Liebert Unit, Add	*3,186.62*	

23 81 23 00-0020 Floor Mounted Water Source *(23 81 23)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	14,475.30	1,227.22
		For Liebert Unit, Add	*1,580.16*	
23 81 23 00-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	15,928.83	1,288.58
		For Liebert Unit, Add	*1,750.33*	
23 81 23 00-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,639.00	1,349.95
		For Liebert Unit, Add	*2,327.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	22,242.97	1,472.66
		For Liebert Unit, Add	*2,503.94*	
23 81 23 00-0025	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	24,566.54	1,595.38
		For Liebert Unit, Add	*2,771.35*	
23 81 23 00-0026	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	25,532.90	1,718.10
		For Liebert Unit, Add	*2,868.60*	
23 81 23 00-0027	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	26,659.12	1,840.83
		For Liebert Unit, Add	*2,990.15*	
23 81 23 00-0028	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,415.86	1,963.55
		For Liebert Unit, Add	*3,063.08*	
23 81 23 00-0029	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,360.29	2,331.71
		For Liebert Unit, Add	*3,484.45*	

23 81 23 00-0030 Floor Mounted Glycol System Type *(23 81 23)*

Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0020 for water source.

23 81 23 00-0031	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	26,914.37	1,345.43
		For Liebert Unit, Add	*3,140.06*	
23 81 23 00-0032	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	28,976.74	1,490.33
		For Liebert Unit, Add	*3,373.71*	
23 81 23 00-0033	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	44,623.15	1,669.72
		For Liebert Unit, Add	*5,299.61*	
23 81 23 00-0034	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	46,061.62	1,849.11
		For Liebert Unit, Add	*5,449.52*	
23 81 23 00-0035	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	49,304.48	2,028.50
		For Liebert Unit, Add	*5,824.98*	
23 81 23 00-0036	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	58,995.13	2,299.88
		For Liebert Unit, Add	*6,989.16*	
23 81 23 00-0037	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	64,668.25	2,391.88
		For Liebert Unit, Add	*7,683.35*	
23 81 23 00-0038	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	67,080.34	2,621.87
		For Liebert Unit, Add	*7,948.06*	
23 81 23 00-0039	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	81,662.84	2,851.86
		For Liebert Unit, Add	*9,733.50*	

23 81 23 00-0040 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.

23 81 23 00-0041	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	10,938.18	583.25
		For Liebert Unit, Add	*1,257.96*	
23 81 23 00-0042	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	12,102.67	700.46
		For Liebert Unit, Add	*1,381.56*	
23 81 23 00-0043	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	13,834.75	876.62
		For Liebert Unit, Add	*1,565.07*	
23 81 23 00-0044	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,989.85	1,022.72
		For Liebert Unit, Add	*1,932.08*	
23 81 23 00-0045	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	22,995.32	1,111.58
		For Liebert Unit, Add	*2,666.09*	

23 81 23 00-0046 Removal And Reinstallation Of Computer Room Unit *(23 81 23)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 00-0047	EA	Removal And Reinstallation Of Computer Room Unit, Chilled Water	1,839.91	
23 81 23 00-0048	EA	Removal And Reinstallation Of Computer Room Unit, Direct Expansion	1,533.25	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 00-0001 Split System A/C Unit *(23 81 26)*

See CSI section 22 07 19 00-0492 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 00-0002 Ductless Split System Air Conditioners *(23 81 26 00-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 00-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 00-0002)*

23 81 26 00-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,988.63	303.59
23 81 26 00-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,151.03	331.18
23 81 26 00-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,698.06	367.99
23 81 26 00-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,996.58	404.78
23 81 26 00-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,659.04	441.58
23 81 26 00-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,437.14	459.97
23 81 26 00-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,968.88	490.34

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0011		**Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners** *(23 81 26 00-0002)*		
		Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 00-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	853.42	147.19
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	901.27	156.40
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	949.98	165.59
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,076.67	174.79
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,151.93	183.99
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,402.49	220.79
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,658.44	239.19
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	4,234.06	257.59
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0020		**Suspended Ceiling Mounted Ductless Split System Air Conditioners** *(23 81 26 00-0002)*		
		Note: Excludes hangers.		
23 81 26 00-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	4,996.09	441.58
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	6,088.34	527.14
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners	7,452.97	551.97
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0024		**Recessed Ceiling Mounted Ductless Split System Air Conditioners** *(23 81 26 00-0002)*		
		Note: Excludes hangers.		
23 81 26 00-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	3,045.11	367.99
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	3,554.44	404.78
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners	4,959.55	478.37
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	5,745.56	527.14
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	7,281.58	551.97
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0030		**Ductless Split System Accessories** *(23 81 26 00-0002)*		
23 81 26 00-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	8.94	1.32
23 81 26 00-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	11.31	1.45
23 81 26 00-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.94	1.60
23 81 26 00-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.19	2.47
23 81 26 00-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.96	2.72
23 81 26 00-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.35	3.00
23 81 26 00-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	36.84	4.95
23 81 26 00-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.92	5.44
23 81 26 00-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	65.72	5.98
23 81 26 00-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.13	5.28
23 81 26 00-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	56.16	5.80
23 81 26 00-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	84.93	6.39
23 81 26 00-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	36.84	4.95
23 81 26 00-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.92	5.44
23 81 26 00-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	65.72	5.98
23 81 26 00-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.41	8.25
23 81 26 00-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	69.91	9.07
23 81 26 00-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.95	9.97
23 81 26 00-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.57	1.65
23 81 26 00-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	30.41	4.95
23 81 26 00-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.35	5.44
23 81 26 00-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.84	4.95
23 81 26 00-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.06	5.44
23 81 26 00-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.99	5.98
23 81 26 00-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	121.59	6.60
23 81 26 00-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	137.73	7.26
23 81 26 00-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	92.94	24.74
23 81 26 00-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	101.80	26.38
23 81 26 00-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	132.52	28.03
23 81 26 00-0060	EA	End Cap, Set of 4	12.85	
23 81 26 00-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	194.97	49.46
23 81 26 00-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	207.17	52.76
23 81 26 00-0063	LF	5/8" ID Condensate Drain Line	1.83	0.13
23 81 26 00-0064	LF	3/4" ID Condensate Drain Line	1.89	0.13

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0065		Cased A/C Evaporator Coils *(23 81 26 00-0001)*		
23 81 26 00-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 00-0065)*		
23 81 26 00-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	420.12	92.60
23 81 26 00-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	440.58	99.54
23 81 26 00-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	514.60	106.49
23 81 26 00-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	580.19	113.43
23 81 26 00-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	660.87	118.06
23 81 26 00-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	730.27	122.69
23 81 26 00-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	784.48	131.96
23 81 26 00-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	794.64	138.90
23 81 26 00-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 00-0065)*		
23 81 26 00-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	499.92	94.92
23 81 26 00-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	567.84	100.24
23 81 26 00-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	643.36	106.49
23 81 26 00-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	667.01	110.33
23 81 26 00-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	698.52	115.75
23 81 26 00-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	710.68	121.76
23 81 26 00-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	722.59	127.78
23 81 26 00-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 00-0065)*		
23 81 26 00-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	446.36	94.92
23 81 26 00-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	529.66	106.49
23 81 26 00-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	606.43	115.75
23 81 26 00-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	721.65	127.78
23 81 26 00-0088		Mitsubishi City Multi, Variable Refrigerant Flow *(23 81 26 00-0001)*		
23 81 26 00-0089		Outdoor Units *(23 81 26 00-0088)*		
23 81 26 00-0090	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	10,712.77	482.97
23 81 26 00-0091	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	11,636.80	574.97
23 81 26 00-0092	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	13,119.13	689.96
23 81 26 00-0093	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	16,093.61	712.96
23 81 26 00-0094	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	21,319.77	735.96
23 81 26 00-0095	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	22,105.80	758.96
23 81 26 00-0096	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	22,891.82	781.96
23 81 26 00-0097	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	24,236.17	827.96
23 81 26 00-0098	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	25,580.51	873.96
23 81 26 00-0099	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	28,600.99	919.95
23 81 26 00-0100	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	31,621.46	965.95
23 81 26 00-0101		Indoor Units *(23 81 26 00-0088)*		
23 81 26 00-0102	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,152.87	149.49
23 81 26 00-0103	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,213.81	160.99
23 81 26 00-0104	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,268.44	172.49
23 81 26 00-0105	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,332.55	183.99
23 81 26 00-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,452.14	218.49
23 81 26 00-0107	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,630.79	264.49
23 81 26 00-0108	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,767.23	287.49
23 81 26 00-0109	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	1,647.64	164.44
23 81 26 00-0110	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	1,707.73	177.09
23 81 26 00-0111	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	1,802.61	189.74
23 81 26 00-0112	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	1,954.40	202.39
23 81 26 00-0113	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	2,074.58	240.33
23 81 26 00-0114	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	2,289.62	290.94
23 81 26 00-0115	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	2,406.63	303.59
23 81 26 00-0116	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	2,536.29	316.23
23 81 26 00-0117	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	2,811.43	347.85
23 81 26 00-0118	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	3,115.03	382.64
23 81 26 00-0119	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	3,374.97	420.91
23 81 26 00-0120	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	4,246.62	462.99
23 81 26 00-0121	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	4,813.60	509.30
23 81 26 00-0122	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	1,874.09	189.74
23 81 26 00-0123	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	1,977.18	202.39
23 81 26 00-0124	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	2,099.25	240.33
23 81 26 00-0125	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	2,362.99	290.94
23 81 26 00-0126	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	2,547.05	316.23

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0127	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	3,099.22	347.86
23 81 26 00-0128	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	1,682.43	164.44
23 81 26 00-0129	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	1,770.98	177.09
23 81 26 00-0130	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	1,903.81	189.74
23 81 26 00-0131	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,005.00	202.39
23 81 26 00-0132	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,568.58	177.09
23 81 26 00-0133	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,650.81	189.74
23 81 26 00-0134	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,736.19	202.39
23 81 26 00-0135		**Controllers For Outdoor Units** *(23 81 26 00-0088)*		
23 81 26 00-0136	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	5,747.11	137.99
23 81 26 00-0137	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	6,646.99	160.99
23 81 26 00-0138	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,347.63	183.99
23 81 26 00-0139	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	8,715.54	206.99
23 81 26 00-0140	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,210.50	92.00
23 81 26 00-0141	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	4,943.84	137.99
23 81 26 00-0142	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	7,554.90	206.99
23 81 26 00-0143		**Energy Recovery Units** *(23 81 26 00-0088)*		
23 81 26 00-0144	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	4,083.64	137.99
23 81 26 00-0145	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	7,676.24	137.99
23 81 26 00-0146	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	7,794.98	160.99
23 81 26 00-0147	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,653.11	115.00
23 81 26 00-0148	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,095.58	119.59
23 81 26 00-0149	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,490.60	124.19
23 81 26 00-0150	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	4,504.25	137.99
23 81 26 00-0151		**Piping Specialties** *(23 81 26 00-0088)*		
23 81 26 00-0152	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	562.92	
23 81 26 00-0153	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	164.30	35.18
23 81 26 00-0154	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	164.30	35.18
23 81 26 00-0155	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	181.58	37.03
23 81 26 00-0156	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	225.62	41.66
23 81 26 00-0157	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	297.43	60.17
23 81 26 00-0158	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	512.66	120.33
23 81 26 00-0159	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	89.72	14.81
23 81 26 00-0160	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	102.71	20.36
23 81 26 00-0161		**Daikin VRV** *(23 81 26 00-0001)*		
23 81 26 00-0162		**Heat Pump Outdoor Units** *(23 81 26 00-0161)*		
23 81 26 00-0163	EA	6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	14,245.78	482.97
23 81 26 00-0164	EA	8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	15,944.15	574.97
23 81 26 00-0165	EA	10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	17,804.99	689.96
23 81 26 00-0166	EA	12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	22,161.11	712.96
23 81 26 00-0167	EA	14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	29,591.95	758.96
23 81 26 00-0168	EA	16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	31,268.81	781.96
23 81 26 00-0169	EA	18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	32,875.18	827.96
23 81 26 00-0170	EA	20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	34,598.02	873.96
23 81 26 00-0171	EA	22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	44,708.14	919.95
23 81 26 00-0172	EA	24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	46,431.00	965.95
23 81 26 00-0173	EA	26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	48,153.84	1,011.95
23 81 26 00-0174	EA	28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	49,760.21	1,057.95
23 81 26 00-0175	EA	30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	51,483.07	1,103.95
23 81 26 00-0176		**Heat Recovery Heat Pump Outdoor Units** *(23 81 26 00-0161)*		
23 81 26 00-0177	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	18,248.96	627.87
23 81 26 00-0178	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	19,937.67	747.46
23 81 26 00-0179	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	21,946.64	896.96
23 81 26 00-0180	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	27,481.46	926.86
23 81 26 00-0181	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	37,036.73	986.65
23 81 26 00-0182	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	39,892.27	1,016.55
23 81 26 00-0183	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	41,409.74	1,076.35
23 81 26 00-0184	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	42,927.22	1,136.14
23 81 26 00-0185	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	56,384.88	1,195.94
23 81 26 00-0186	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	57,902.35	1,255.74
23 81 26 00-0187	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	60,817.71	1,315.54
23 81 26 00-0188	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ)	62,335.17	1,375.33

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0189		**Indoor Units** *(23 81 26 00-0161)*		
23 81 26 00-0190	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU)	1,684.70	160.99
23 81 26 00-0191	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	1,758.73	165.59
23 81 26 00-0192	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	1,982.44	172.49
23 81 26 00-0193	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	2,234.88	218.49
23 81 26 00-0194	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU)	2,465.34	264.49
23 81 26 00-0195	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU)	2,437.81	177.09
23 81 26 00-0196	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU)	2,519.36	182.15
23 81 26 00-0197	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU)	2,645.55	101.19
23 81 26 00-0198	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU)	2,829.16	240.33
23 81 26 00-0199	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU)	3,355.65	290.94
23 81 26 00-0200	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU)	3,829.34	316.23
23 81 26 00-0201	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU)	4,097.00	347.85
23 81 26 00-0202	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU)	4,248.99	382.64
23 81 26 00-0203	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU)	2,716.94	177.09
23 81 26 00-0204	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU)	2,782.01	182.15
23 81 26 00-0205	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU)	2,956.55	189.74
23 81 26 00-0206	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU)	3,173.13	240.33
23 81 26 00-0207		**Branch Selector Boxes** *(23 81 26 00-0161)*		
23 81 26 00-0208	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU)	8,102.30	206.99
23 81 26 00-0209	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU)	11,967.97	275.99
23 81 26 00-0210	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	1,623.63	92.00
23 81 26 00-0211	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	2,195.87	137.99
23 81 26 00-0212	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	2,743.78	206.99
23 81 26 00-0213		**Controllers** *(23 81 26 00-0161)*		
23 81 26 00-0214	EA	Up To 16 Units, Navigation Controller (Daikin BRC1E71)	541.15	18.40
23 81 26 00-0215	EA	Individual Zone Controller (Daikin BRC2A71)	404.88	18.40
23 81 26 00-0216	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71)	737.87	18.40
23 81 26 00-0217	EA	Up To 64 Units, Multizone Controller (Daikin DCS302C71)	1,013.70	18.40
23 81 26 00-0218	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71)	9,570.93	220.79
23 81 26 00-0219	EA	I-Touch Manager D3net Plus Adapter (Daikin DCM601A72)	1,722.53	18.40
23 81 26 00-0220		**Energy Recovery Units** *(23 81 26 00-0161)*		
23 81 26 00-0221	EA	300 CFM Energy Recovery Unit (Daikin VAM300GVJU)	2,822.44	115.00
23 81 26 00-0222	EA	470 CFM Energy Recovery Unit (Daikin VAM470GVJU)	3,647.07	119.59
23 81 26 00-0223	EA	600 CFM Energy Recovery Unit (Daikin VAM600GVJU)	4,355.20	124.19
23 81 26 00-0224	EA	1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU)	8,080.80	137.99

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,786.73	149.87
		For Unit Economizer, Add	*208.61*	
		For >35 To 70, Deduct	*-44.91*	
		For >70 To 100, Deduct	*-74.85*	
		For >100, Deduct	*-104.79*	
		For Low Ambient Protection, 0 Degree F, Add	*207.16*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,973.04	159.86
		For Unit Economizer, Add	*230.57*	
		For >35 To 70, Deduct	*-49.90*	
		For >70 To 100, Deduct	*-83.17*	
		For >100, Deduct	*-116.43*	
		For Low Ambient Protection, 0 Degree F, Add	*227.13*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,370.23	159.86
		For Unit Economizer, Add	*398.23*	
		For >35 To 70, Deduct	*-91.82*	
		For >70 To 100, Deduct	*-153.03*	
		For >100, Deduct	*-214.24*	
		For Low Ambient Protection, 0 Degree F, Add	*352.88*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,689.61	159.86
		For Unit Economizer, Add	*436.16*	
		For >35 To 70, Deduct	*-100.80*	
		For >70 To 100, Deduct	*-168.00*	
		For >100, Deduct	*-235.19*	
		For Low Ambient Protection, 0 Degree F, Add	*183.22*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,175.33	169.85
		For Unit Economizer, Add	*494.05*	
		For >35 To 70, Deduct	*-114.77*	
		For >70 To 100, Deduct	*-191.28*	
		For >100, Deduct	*-267.79*	
		For Low Ambient Protection, 0 Degree F, Add	*202.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,374.93	179.84
		For Unit Economizer, Add	*518.00*	
		For >35 To 70, Deduct	*-120.76*	
		For >70 To 100, Deduct	*-201.26*	
		For >100, Deduct	*-281.77*	
		For Low Ambient Protection, 0 Degree F, Add	*610.70*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,927.17	179.84
		For Unit Economizer, Add	*583.87*	
		For >35 To 70, Deduct	*-136.73*	
		For >70 To 100, Deduct	*-227.88*	
		For >100, Deduct	*-319.03*	
		For Low Ambient Protection, 0 Degree F, Add	*684.89*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,436.15	189.83
		For Unit Economizer, Add	*644.74*	
		For >35 To 70, Deduct	*-151.69*	
		For >70 To 100, Deduct	*-252.82*	
		For >100, Deduct	*-353.95*	
		For Low Ambient Protection, 0 Degree F, Add	*752.26*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,261.22	219.80
		For Unit Economizer, Add	*742.55*	
		For >35 To 70, Deduct	*-174.65*	
		For >70 To 100, Deduct	*-291.08*	
		For >100, Deduct	*-407.51*	
		For Low Ambient Protection, 0 Degree F, Add	*866.71*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	11,474.18	259.77
		For Unit Economizer, Add	*1,366.31*	
		For >35 To 70, Deduct	*-328.34*	
		For >70 To 100, Deduct	*-547.23*	
		For >100, Deduct	*-766.13*	
		For Low Ambient Protection, 0 Degree F, Add	*1,555.19*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,774.36	329.70
		For Unit Economizer, Add	*1,759.54*	
		For >35 To 70, Deduct	*-423.15*	
		For >70 To 100, Deduct	*-705.25*	
		For >100, Deduct	*-987.35*	
		For Low Ambient Protection, 0 Degree F, Add	*308.40*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,037.86	369.67
		For Unit Economizer, Add	*2,149.76*	
		For >35 To 70, Deduct	*-518.96*	
		For >70 To 100, Deduct	*-864.93*	
		For >100, Deduct	*-1,210.90*	
		For Low Ambient Protection, 0 Degree F, Add	*357.82*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	22,252.83	419.63
		For Unit Economizer, Add	*2,653.75*	
		For >35 To 70, Deduct	*-642.71*	
		For >70 To 100, Deduct	*-1,071.18*	
		For >100, Deduct	*-1,499.65*	
		For Low Ambient Protection, 0 Degree F, Add	*421.55*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,641.37	449.60
		For Unit Economizer, Add	*3,538.98*	
		For >35 To 70, Deduct	*-862.27*	
		For >70 To 100, Deduct	*-1,437.11*	
		For >100, Deduct	*-2,011.95*	
		For Low Ambient Protection, 0 Degree F, Add	*512.22*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	35,709.25	489.56
		For Unit Economizer, Add	*4,265.53*	
		For >35 To 70, Deduct	*-1,041.90*	
		For >70 To 100, Deduct	*-1,736.51*	
		For >100, Deduct	*-2,431.11*	
		For Low Ambient Protection, 0 Degree F, Add	*592.08*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	2,745.36	199.82
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,331.04	219.80
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,306.47	229.80
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,937.30	249.77
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,173.81	289.74
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,595.74	329.70
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,163.37	369.67
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,060.44	409.63
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,087.74	489.56

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0030	EA	9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B)	2,129.65	96.59
		For >10 To 50, Deduct	*-96.82*	
		For >50 To 75, Deduct	*-135.55*	
		For >75 To 100, Deduct	*-193.65*	
		For >100, Deduct	*-232.38*	
23 81 43 00-0031	EA	11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B)	2,353.88	96.59
		For >10 To 50, Deduct	*-108.03*	
		For >50 To 75, Deduct	*-151.25*	
		For >75 To 100, Deduct	*-216.07*	
		For >100, Deduct	*-259.28*	
23 81 43 00-0032	EA	17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B)	2,690.24	96.59
		For >10 To 50, Deduct	*-124.85*	
		For >50 To 75, Deduct	*-174.79*	
		For >75 To 100, Deduct	*-249.71*	
		For >100, Deduct	*-299.65*	
23 81 43 00-0033	EA	24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B)	3,154.73	96.59
		For >10 To 50, Deduct	*-148.08*	
		For >50 To 75, Deduct	*-207.31*	
		For >75 To 100, Deduct	*-296.15*	
		For >100, Deduct	*-355.38*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,058.43	69.00
		For >10 To 50, Deduct	*-96.02*	
		For >50 To 75, Deduct	*-134.43*	
		For >75 To 100, Deduct	*-192.04*	
		For >100, Deduct	*-230.45*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	
23 81 43 00-0037	EA	12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33)	1,978.34	69.00
		For >10 To 50, Deduct	*-92.02*	
		For >50 To 75, Deduct	*-128.82*	
		For >75 To 100, Deduct	*-184.04*	
		For >100, Deduct	*-220.84*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*287.41*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps *(23 81 46)*

Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,007.07	185.20
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,067.20	185.20
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,383.47	203.72
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,515.37	222.24
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,699.38	240.76
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,163.96	259.28
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,241.07	277.80
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,531.97	296.32
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,769.42	314.83
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,839.86	333.36

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Air Cooled, Outdoor Section *(23 81 49)*

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,086.24	296.73
		For Low Ambient Protection, 0 Degree F, Add	*390.63*	
		For Winterstart Control, Add	*110.43*	
		For 16 SEER, Add	*474.63*	
		For 18 SEER, Add	*720.12*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,168.10	329.70
		For Low Ambient Protection, 0 Degree F, Add	*408.54*	
		For Winterstart Control, Add	*116.70*	
		For 16 SEER, Add	*483.88*	
		For 18 SEER, Add	*734.16*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,384.41	382.66
		For Low Ambient Protection, 0 Degree F, Add	*451.71*	
		For Winterstart Control, Add	*130.15*	
		For 16 SEER, Add	*523.43*	
		For 18 SEER, Add	*794.16*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,618.41	439.60
		For Low Ambient Protection, 0 Degree F, Add	*400.80*	
		For Winterstart Control, Add	*144.70*	
		For 16 SEER, Add	*566.17*	
		For 18 SEER, Add	*859.02*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	2,703.38	456.59
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*414.32*	
		For Winterstart Control, Add	*149.64*	
		For 16 SEER, Add	*583.40*	
		For 18 SEER, Add	*885.15*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	2,994.21	524.53
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*456.72*	
		For Winterstart Control, Add	*164.73*	
		For 16 SEER, Add	*651.02*	
		For 18 SEER, Add	*987.75*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,395.82	576.98
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*334.64*	
		For Winterstart Control, Add	*108.14*	
		For 16 SEER, Add	*745.75*	
		For 18 SEER, Add	*1,131.49*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	6,068.24	643.97
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*487.40*	
		For Winterstart Control, Add	*143.48*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	8,393.96	772.76
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*357.03*	
		For Winterstart Control, Add	*183.45*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	11,040.57	901.55
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*401.81*	
		For Winterstart Control, Add	*226.04*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	15,228.82	965.95
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*425.52*	
		For Winterstart Control, Add	*276.46*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,049.78	98.44
		For Additional 5 KW Electric Heat, Add	*95.09*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,157.48	122.63
		For Additional 5 KW Electric Heat, Add	*103.48*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,208.92	148.12
		For Additional 5 KW Electric Heat, Add	*106.05*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,628.93	173.41
		For Additional 5 KW Electric Heat, Add	*145.54*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,673.25	195.49
		For Additional 5 KW Electric Heat, Add	*147.75*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,856.16	224.47
		For Additional 5 KW Electric Heat, Add	*163.18*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	3,958.65	367.99
		For Additional 5 KW Electric Heat, Add	*359.07*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	5,833.95	413.98
		For Additional 5 KW Electric Heat, Add	*542.00*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	8,182.12	459.97
		For Additional 5 KW Electric Heat, Add	*772.21*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	9,300.10	551.97
		For Additional 5 KW Electric Heat, Add	*874.80*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,160.02	303.59
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,385.82	331.18
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	2,917.43	367.99
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,360.77	404.78
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps	4,795.57	441.58
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps	5,567.39	459.97
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps	6,110.27	490.34
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	891.13	147.19
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	939.84	156.40
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	989.40	165.59
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,128.94	174.79
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,203.35	183.99
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,719.56	220.79
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,228.30	239.19
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,268.38	257.59
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,133.20	441.58
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,229.73	527.14
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,538.66	551.97
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,387.88	367.99
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,843.22	404.78
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,096.66	478.37
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,886.96	527.14
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,367.28	551.97

23 82 Convection Heating And Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 00-0001 Chilled Water Cooling Coils *(23 82 16)*
Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 00-0002 2 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*

23 82 16 00-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	612.24	46.30
23 82 16 00-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	992.13	62.96
23 82 16 00-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,360.53	99.08
23 82 16 00-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,685.58	141.68
23 82 16 00-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,832.43	174.09
23 82 16 00-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,078.67	211.12
23 82 16 00-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,261.30	244.46
23 82 16 00-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,484.06	431.89
23 82 16 00-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,412.38	164.18
23 82 16 00-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,897.63	279.55
23 82 16 00-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,136.60	347.25
23 82 16 00-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,422.40	419.38
23 82 16 00-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,682.67	488.37

23 82 16 00-0016 4 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*

23 82 16 00-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	772.10	96.30

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,222.41	138.90
23 82 16 00-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,717.88	231.50
23 82 16 00-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,172.49	343.54
23 82 16 00-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,540.74	421.33
23 82 16 00-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,036.71	514.85
23 82 16 00-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,435.55	617.64
23 82 16 00-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,496.51	718.94
23 82 16 00-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,029.86	310.31
23 82 16 00-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,673.46	466.70
23 82 16 00-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,009.99	578.75
23 82 16 00-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,453.32	697.27
23 82 16 00-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,847.91	815.15
23 82 16 00-0030		6 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,073.84	122.23
23 82 16 00-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,309.14	181.50
23 82 16 00-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,852.92	309.28
23 82 16 00-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,567.01	462.99
23 82 16 00-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,339.08	578.75
23 82 16 00-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,857.16	712.09
23 82 16 00-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,502.31	841.73
23 82 16 00-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,495.56	980.91
23 82 16 00-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,582.40	424.01
23 82 16 00-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,413.49	635.98
23 82 16 00-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,938.75	796.35
23 82 16 00-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,447.03	956.65
23 82 16 00-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,955.34	1,112.95
23 82 16 00-0044		8 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,336.49	147.23
23 82 16 00-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,687.29	225.95
23 82 16 00-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,591.02	402.81
23 82 16 00-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,532.08	617.64
23 82 16 00-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,275.14	772.28
23 82 16 00-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,998.88	926.00
23 82 16 00-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,706.60	1,028.78
23 82 16 00-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,237.01	1,193.33
23 82 16 00-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,984.71	516.70
23 82 16 00-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,962.89	776.82
23 82 16 00-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,574.37	967.67
23 82 16 00-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,165.54	1,157.50
23 82 16 00-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,794.11	1,361.77

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0058		Direct Expansion Cooling Coils *(23 82 16)* Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059		2 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*		
23 82 16 00-0060	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	529.22	69.45
		For 10 Fins Per Inch, Add	*7.80*	
		For 12 Fins Per Inch, Add	*19.50*	
23 82 16 00-0061	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	970.89	95.38
		For 10 Fins Per Inch, Add	*15.60*	
		For 12 Fins Per Inch, Add	*39.00*	
23 82 16 00-0062	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,360.53	150.01
		For 10 Fins Per Inch, Add	*21.24*	
		For 12 Fins Per Inch, Add	*53.09*	
23 82 16 00-0063	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,685.58	215.75
		For 10 Fins Per Inch, Add	*25.10*	
		For 12 Fins Per Inch, Add	*62.74*	
23 82 16 00-0064	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,977.09	263.90
		For 10 Fins Per Inch, Add	*28.96*	
		For 12 Fins Per Inch, Add	*72.40*	
23 82 16 00-0065	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,241.01	319.46
		For 10 Fins Per Inch, Add	*32.05*	
		For 12 Fins Per Inch, Add	*80.12*	
23 82 16 00-0066	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,574.88	370.40
		For 10 Fins Per Inch, Add	*36.68*	
		For 12 Fins Per Inch, Add	*91.70*	
23 82 16 00-0067	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,188.58	431.89
		For 10 Fins Per Inch, Add	*46.50*	
		For 12 Fins Per Inch, Add	*116.24*	
23 82 16 00-0068	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,222.15	164.18
		For 10 Fins Per Inch, Add	*17.88*	
		For 12 Fins Per Inch, Add	*44.69*	
23 82 16 00-0069	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,662.74	279.55
		For 10 Fins Per Inch, Add	*22.07*	
		For 12 Fins Per Inch, Add	*55.18*	
23 82 16 00-0070	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,144.49	419.38
		For 10 Fins Per Inch, Add	*26.11*	
		For 12 Fins Per Inch, Add	*65.29*	
23 82 16 00-0071	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,383.26	488.37
		For 10 Fins Per Inch, Add	*28.13*	
		For 12 Fins Per Inch, Add	*70.32*	
23 82 16 00-0072		4 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*		
23 82 16 00-0073	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	855.12	96.30
		For 10 Fins Per Inch, Add	*13.24*	
		For 12 Fins Per Inch, Add	*33.11*	
23 82 16 00-0074	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,222.41	138.90
		For 10 Fins Per Inch, Add	*18.92*	
		For 12 Fins Per Inch, Add	*47.30*	
23 82 16 00-0075	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,717.88	231.50
		For 10 Fins Per Inch, Add	*25.10*	
		For 12 Fins Per Inch, Add	*62.74*	
23 82 16 00-0076	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,172.49	343.54
		For 10 Fins Per Inch, Add	*29.73*	
		For 12 Fins Per Inch, Add	*74.33*	
23 82 16 00-0077	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,540.74	421.33
		For 10 Fins Per Inch, Add	*33.98*	
		For 12 Fins Per Inch, Add	*84.95*	
23 82 16 00-0078	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,036.71	514.85
		For 10 Fins Per Inch, Add	*40.16*	
		For 12 Fins Per Inch, Add	*100.39*	
23 82 16 00-0079	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,435.55	617.64
		For 10 Fins Per Inch, Add	*44.02*	
		For 12 Fins Per Inch, Add	*110.04*	
23 82 16 00-0080	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,496.51	718.94
		For 10 Fins Per Inch, Add	*41.17*	
		For 12 Fins Per Inch, Add	*102.93*	
23 82 16 00-0081	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,029.86	310.31
		For 10 Fins Per Inch, Add	*28.18*	
		For 12 Fins Per Inch, Add	*70.46*	
23 82 16 00-0082	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,673.46	466.70
		For 10 Fins Per Inch, Add	*34.80*	
		For 12 Fins Per Inch, Add	*87.00*	
23 82 16 00-0083	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,177.36	820.90
		For 10 Fins Per Inch, Add	*50.71*	
		For 12 Fins Per Inch, Add	*126.78*	
23 82 16 00-0084	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,803.07	956.65
		For 10 Fins Per Inch, Add	*57.80*	
		For 12 Fins Per Inch, Add	*144.49*	
23 82 16 00-0085		6 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0086	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,093.15	121.30
		For 10 Fins Per Inch, Add	*16.99*	
		For 12 Fins Per Inch, Add	*42.47*	
23 82 16 00-0087	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,309.14	181.50
		For 10 Fins Per Inch, Add	*18.92*	
		For 12 Fins Per Inch, Add	*47.30*	
23 82 16 00-0088	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,949.45	309.28
		For 10 Fins Per Inch, Add	*26.64*	
		For 12 Fins Per Inch, Add	*66.61*	
23 82 16 00-0089	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,567.01	462.99
		For 10 Fins Per Inch, Add	*32.82*	
		For 12 Fins Per Inch, Add	*82.05*	
23 82 16 00-0090	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,339.08	578.75
		For 10 Fins Per Inch, Add	*43.63*	
		For 12 Fins Per Inch, Add	*109.08*	
23 82 16 00-0091	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,857.16	712.09
		For 10 Fins Per Inch, Add	*48.65*	
		For 12 Fins Per Inch, Add	*121.63*	
23 82 16 00-0092	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,502.31	841.73
		For 10 Fins Per Inch, Add	*56.37*	
		For 12 Fins Per Inch, Add	*140.93*	
23 82 16 00-0093	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,495.56	980.91
		For 10 Fins Per Inch, Add	*50.67*	
		For 12 Fins Per Inch, Add	*126.69*	
23 82 16 00-0094	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,582.40	424.01
		For 10 Fins Per Inch, Add	*34.69*	
		For 12 Fins Per Inch, Add	*86.72*	
23 82 16 00-0095	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,413.49	635.98
		For 10 Fins Per Inch, Add	*42.83*	
		For 12 Fins Per Inch, Add	*107.08*	
23 82 16 00-0096	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,431.35	948.77
		For 10 Fins Per Inch, Add	*50.68*	
		For 12 Fins Per Inch, Add	*126.69*	
23 82 16 00-0097	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,955.34	1,112.95
		For 10 Fins Per Inch, Add	*54.59*	
		For 12 Fins Per Inch, Add	*136.47*	

23 82 16 00-0098 8 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*

23 82 16 00-0099	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,355.79	146.31
		For 10 Fins Per Inch, Add	*21.24*	
		For 12 Fins Per Inch, Add	*53.09*	
23 82 16 00-0100	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,687.29	225.95
		For 10 Fins Per Inch, Add	*24.71*	
		For 12 Fins Per Inch, Add	*61.78*	
23 82 16 00-0101	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,591.02	402.81
		For 10 Fins Per Inch, Add	*35.72*	
		For 12 Fins Per Inch, Add	*89.29*	
23 82 16 00-0102	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,532.08	617.64
		For 10 Fins Per Inch, Add	*45.95*	
		For 12 Fins Per Inch, Add	*114.87*	
23 82 16 00-0103	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,275.14	772.28
		For 10 Fins Per Inch, Add	*54.64*	
		For 12 Fins Per Inch, Add	*136.59*	
23 82 16 00-0104	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,998.88	926.00
		For 10 Fins Per Inch, Add	*62.94*	
		For 12 Fins Per Inch, Add	*157.34*	
23 82 16 00-0105	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,706.60	1,028.78
		For 10 Fins Per Inch, Add	*72.98*	
		For 12 Fins Per Inch, Add	*182.44*	
23 82 16 00-0106	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,237.01	1,193.33
		For 10 Fins Per Inch, Add	*57.01*	
		For 12 Fins Per Inch, Add	*142.52*	
23 82 16 00-0107	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,984.71	516.70
		For 10 Fins Per Inch, Add	*39.02*	
		For 12 Fins Per Inch, Add	*97.56*	
23 82 16 00-0108	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,962.89	776.82
		For 10 Fins Per Inch, Add	*48.18*	
		For 12 Fins Per Inch, Add	*120.46*	
23 82 16 00-0109	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,188.92	1,169.16
		For 10 Fins Per Inch, Add	*57.01*	
		For 12 Fins Per Inch, Add	*142.53*	
23 82 16 00-0110	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,794.11	1,361.77
		For 10 Fins Per Inch, Add	*61.41*	
		For 12 Fins Per Inch, Add	*153.53*	

23 82 16 00-0111 Hot Water Heating Coils *(23 82 16)*

Note: Flanged construction.

23 82 16 00-0112 1 Row Hot Water Heating Coils *(23 82 16 00-0111)*

23 82 16 00-0113	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	675.00	125.01
		For 10 Fins Per Inch, Add	*8.49*	
		For 12 Fins Per Inch, Add	*21.24*	
		For 230 PSIG Heavy Duty, Add	*160.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0114	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	975.72	160.19
		For 10 Fins Per Inch, Add	*13.13*	
		For 12 Fins Per Inch, Add	*32.82*	
		For 230 PSIG Heavy Duty, Add	*227.08*	
23 82 16 00-0115	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	1,213.19	220.38
		For 10 Fins Per Inch, Add	*15.44*	
		For 12 Fins Per Inch, Add	*38.61*	
		For 230 PSIG Heavy Duty, Add	*286.73*	
23 82 16 00-0116	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,486.10	309.28
		For 10 Fins Per Inch, Add	*17.38*	
		For 12 Fins Per Inch, Add	*43.44*	
		For 230 PSIG Heavy Duty, Add	*358.95*	
23 82 16 00-0117	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,706.10	370.40
		For 10 Fins Per Inch, Add	*19.31*	
		For 12 Fins Per Inch, Add	*48.27*	
		For 230 PSIG Heavy Duty, Add	*415.30*	
23 82 16 00-0118	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	2,026.44	462.99
		For 10 Fins Per Inch, Add	*22.01*	
		For 12 Fins Per Inch, Add	*55.02*	
		For 230 PSIG Heavy Duty, Add	*497.89*	
23 82 16 00-0119	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,264.47	513.92
		For 10 Fins Per Inch, Add	*24.71*	
		For 12 Fins Per Inch, Add	*61.78*	
		For 230 PSIG Heavy Duty, Add	*555.78*	
23 82 16 00-0120	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	2,765.63	597.55
		For 10 Fins Per Inch, Add	*31.32*	
		For 12 Fins Per Inch, Add	*78.31*	
		For 230 PSIG Heavy Duty, Add	*673.07*	
23 82 16 00-0121	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	1,194.09	258.90
		For 10 Fins Per Inch, Add	*13.52*	
		For 12 Fins Per Inch, Add	*33.81*	
		For 230 PSIG Heavy Duty, Add	*290.61*	
23 82 16 00-0122	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,791.12	388.46
		For 10 Fins Per Inch, Add	*20.29*	
		For 12 Fins Per Inch, Add	*50.71*	
		For 230 PSIG Heavy Duty, Add	*435.91*	
23 82 16 00-0123	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,696.55	587.54
		For 10 Fins Per Inch, Add	*30.43*	
		For 12 Fins Per Inch, Add	*76.07*	
		For 230 PSIG Heavy Duty, Add	*656.82*	
23 82 16 00-0124	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	3,136.74	680.88
		For 10 Fins Per Inch, Add	*35.50*	
		For 12 Fins Per Inch, Add	*88.75*	
		For 230 PSIG Heavy Duty, Add	*763.52*	
23 82 16 00-0125	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	146.26	34.26
		For 10 Fins Per Inch, Add	*1.55*	
		For 12 Fins Per Inch, Add	*3.89*	
		For 230 PSIG Heavy Duty, Add	*36.11*	

23 82 16 00-0126 2 Row Hot Water Heating Coils *(23 82 16 00-0111)*

23 82 16 00-0127	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	1,042.30	154.64
		For 10 Fins Per Inch, Add	*14.67*	
		For 12 Fins Per Inch, Add	*36.68*	
		For 230 PSIG Heavy Duty, Add	*239.33*	
23 82 16 00-0128	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	1,164.49	205.57
		For 10 Fins Per Inch, Add	*15.06*	
		For 12 Fins Per Inch, Add	*37.65*	
		For 230 PSIG Heavy Duty, Add	*274.05*	
23 82 16 00-0129	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	1,601.94	309.28
		For 10 Fins Per Inch, Add	*19.69*	
		For 12 Fins Per Inch, Add	*49.23*	
		For 230 PSIG Heavy Duty, Add	*382.12*	
23 82 16 00-0130	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,001.65	440.77
		For 10 Fins Per Inch, Add	*22.40*	
		For 12 Fins Per Inch, Add	*55.99*	
		For 230 PSIG Heavy Duty, Add	*488.52*	
23 82 16 00-0131	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,344.29	544.48
		For 10 Fins Per Inch, Add	*25.10*	
		For 12 Fins Per Inch, Add	*62.74*	
		For 230 PSIG Heavy Duty, Add	*577.80*	
23 82 16 00-0132	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	2,577.74	661.16
		For 10 Fins Per Inch, Add	*25.10*	
		For 12 Fins Per Inch, Add	*62.74*	
		For 230 PSIG Heavy Duty, Add	*647.83*	
23 82 16 00-0133	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	2,933.37	772.28
		For 10 Fins Per Inch, Add	*27.80*	
		For 12 Fins Per Inch, Add	*69.50*	
		For 230 PSIG Heavy Duty, Add	*741.01*	
23 82 16 00-0134	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	3,556.50	897.29
		For 10 Fins Per Inch, Add	*35.24*	
		For 12 Fins Per Inch, Add	*88.10*	
		For 230 PSIG Heavy Duty, Add	*890.76*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0135	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	1,534.95	387.16
		For 10 Fins Per Inch, Add	*15.21*	
		For 12 Fins Per Inch, Add	*38.04*	
		For 230 PSIG Heavy Duty, Add	*384.42*	
23 82 16 00-0136	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,304.38	581.62
		For 10 Fins Per Inch, Add	*22.82*	
		For 12 Fins Per Inch, Add	*57.05*	
		For 230 PSIG Heavy Duty, Add	*577.21*	
23 82 16 00-0137	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	3,465.37	876.92
		For 10 Fins Per Inch, Add	*34.23*	
		For 12 Fins Per Inch, Add	*85.58*	
		For 230 PSIG Heavy Duty, Add	*868.45*	
23 82 16 00-0138	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	4,045.53	1,024.33
		For 10 Fins Per Inch, Add	*39.94*	
		For 12 Fins Per Inch, Add	*99.84*	
		For 230 PSIG Heavy Duty, Add	*1,013.97*	

23 82 16 00-0139 Steam Heating Coils *(23 82 16)*

Note: Flanged construction.

23 82 16 00-0140	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	713.66	87.05
		For 2 Row Coil, Add	*248.72*	
		For 4 Row Coil, Add	*645.36*	
23 82 16 00-0141	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	819.70	120.37
		For 2 Row Coil, Add	*294.01*	
		For 4 Row Coil, Add	*759.18*	
23 82 16 00-0142	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	1,145.01	215.75
		For 2 Row Coil, Add	*429.64*	
		For 4 Row Coil, Add	*1,101.20*	
23 82 16 00-0143	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,486.10	309.28
		For 2 Row Coil, Add	*569.30*	
		For 4 Row Coil, Add	*1,454.33*	
23 82 16 00-0144	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,686.80	370.40
		For 2 Row Coil, Add	*654.20*	
		For 4 Row Coil, Add	*1,667.98*	
23 82 16 00-0145	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	1,949.22	462.99
		For 2 Row Coil, Add	*769.97*	
		For 4 Row Coil, Add	*1,957.56*	
23 82 16 00-0146	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,148.63	513.92
		For 2 Row Coil, Add	*850.37*	
		For 4 Row Coil, Add	*2,161.32*	
23 82 16 00-0147	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	2,618.80	599.77
		For 2 Row Coil, Add	*1,025.53*	
		For 4 Row Coil, Add	*2,610.81*	
23 82 16 00-0148	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	1,130.69	258.90
		For 2 Row Coil, Add	*442.79*	
		For 4 Row Coil, Add	*1,127.25*	
23 82 16 00-0149	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,696.03	388.46
		For 2 Row Coil, Add	*664.18*	
		For 4 Row Coil, Add	*1,690.87*	
23 82 16 00-0150	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,542.10	581.62
		For 2 Row Coil, Add	*995.29*	
		For 4 Row Coil, Add	*2,533.91*	
23 82 16 00-0151	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	2,970.34	680.88
		For 2 Row Coil, Add	*1,163.45*	
		For 4 Row Coil, Add	*2,961.83*	

23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 00-0153	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	838.71	117.60
23 82 16 00-0154	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,039.49	116.67
23 82 16 00-0155	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,256.12	125.01
23 82 16 00-0156	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,450.02	136.12
23 82 16 00-0157	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,462.59	142.60
23 82 16 00-0158	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,746.65	150.01
23 82 16 00-0159	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,823.29	168.53
23 82 16 00-0160	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,018.97	188.90
23 82 16 00-0161	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,285.78	225.95
23 82 16 00-0162	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,482.70	237.06
23 82 16 00-0163	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,126.16	250.94
23 82 16 00-0164	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,006.56	343.54
23 82 16 00-0165	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,023.50	421.33
23 82 16 00-0166	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,800.56	440.77
23 82 16 00-0167	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,811.04	513.92

23 82 16 00-0168 Standard Electric Slip-In Blast Coil Heater *(23 82 16)*

23 82 16 00-0169 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 00-0168)*

23 82 16 00-0170	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	276.43	70.84
23 82 16 00-0171	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	288.22	76.35
23 82 16 00-0172	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	302.15	83.72
23 82 16 00-0173	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	306.84	86.47

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0174	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	318.88	92.00
23 82 16 00-0175	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	332.73	99.35
23 82 16 00-0176	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	379.96	111.31
23 82 16 00-0177	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	391.19	116.84
23 82 16 00-0178	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	400.38	120.51
23 82 16 00-0179	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	413.84	127.87
23 82 16 00-0180	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	448.14	135.24
23 82 16 00-0181	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	474.32	148.12
23 82 16 00-0182	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	500.35	160.99
23 82 16 00-0183	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	526.09	173.87
23 82 16 00-0184	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	665.31	242.87
23 82 16 00-0185	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,050.80	258.50
23 82 16 00-0186	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,164.52	296.22
23 82 16 00-0187	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,358.94	328.43
23 82 16 00-0188	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,435.86	356.94
23 82 16 00-0189	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,573.57	391.90
23 82 16 00-0190	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,884.29	418.58
23 82 16 00-0191	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,062.05	449.86
23 82 16 00-0192	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,456.55	485.74
23 82 16 00-0193	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,751.80	528.05

23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 00-0168)*

23 82 16 00-0195	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	632.34	101.19
23 82 16 00-0196	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	662.79	110.40
23 82 16 00-0197	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	676.55	110.40
23 82 16 00-0198	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	709.80	121.43
23 82 16 00-0199	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	939.67	121.43
23 82 16 00-0200	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	961.70	121.43
23 82 16 00-0201	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	982.15	135.24
23 82 16 00-0202	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,007.70	151.79
23 82 16 00-0203	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,020.08	151.79
23 82 16 00-0204	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,183.70	173.87
23 82 16 00-0205	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,398.43	173.87
23 82 16 00-0206	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,528.96	202.39
23 82 16 00-0207	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,036.88	202.39

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,637.74	150.01
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.94*	
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,802.00	175.02
		For 2-Way Valve Instead Of 3-Way, Deduct	*-52.47*	
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,995.06	197.24
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.70*	
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,314.71	225.95
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.59*	
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,599.87	237.06
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.62*	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,557.04	250.94
		For 2-Way Valve Instead Of 3-Way, Deduct	*-102.54*	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,328.95	272.25
		For 2-Way Valve Instead Of 3-Way, Deduct	*-105.85*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	888.17	150.01
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.94*	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,082.99	175.02
		For 2-Way Valve Instead Of 3-Way, Deduct	*-52.47*	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,287.70	197.24
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.70*	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,489.37	225.95
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.59*	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,803.63	237.98
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.62*	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,848.14	250.94
		For 2-Way Valve Instead Of 3-Way, Deduct	*-102.54*	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,882.03	272.25
		For 2-Way Valve Instead Of 3-Way, Deduct	*-105.85*	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0018)*

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0020		EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,579.52	149.08
			For Fan Coil Units Without Cabinet, Deduct	*-207.06*	
			For Thru-Wall Sleeve, Add	*114.74*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-49.94*	
23 82 19 00-0021		EA	300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,804.91	175.02
			For Fan Coil Units Without Cabinet, Deduct	*-235.79*	
			For Thru-Wall Sleeve, Add	*124.89*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-52.47*	
23 82 19 00-0022		EA	400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,140.61	197.24
			For Fan Coil Units Without Cabinet, Deduct	*-281.69*	
			For Thru-Wall Sleeve, Add	*133.81*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-54.70*	
23 82 19 00-0023		EA	600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,460.26	225.95
			For Fan Coil Units Without Cabinet, Deduct	*-323.87*	
			For Thru-Wall Sleeve, Add	*145.34*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-57.59*	
23 82 19 00-0024		EA	800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,774.52	237.98
			For Fan Coil Units Without Cabinet, Deduct	*-368.69*	
			For Thru-Wall Sleeve, Add	*149.97*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-100.62*	
23 82 19 00-0025		EA	1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,557.04	250.94
			For Fan Coil Units Without Cabinet, Deduct	*-483.50*	
			For Thru-Wall Sleeve, Add	*155.11*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-102.54*	
23 82 19 00-0026		EA	1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,183.40	272.25
			For Fan Coil Units Without Cabinet, Deduct	*-573.04*	
			For Thru-Wall Sleeve, Add	*163.94*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-105.85*	

23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0018)*

23 82 19 00-0028		EA	200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,754.18	149.08
			For Fan Coil Units Without Cabinet, Deduct	*-233.26*	
			For Thru-Wall Sleeve, Add	*114.74*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-49.94*	
23 82 19 00-0029		EA	300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,979.56	175.02
			For Fan Coil Units Without Cabinet, Deduct	*-261.99*	
			For Thru-Wall Sleeve, Add	*124.89*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-52.47*	
23 82 19 00-0030		EA	400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,431.71	197.24
			For Fan Coil Units Without Cabinet, Deduct	*-325.35*	
			For Thru-Wall Sleeve, Add	*133.81*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-54.70*	
23 82 19 00-0031		EA	600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,780.46	225.95
			For Fan Coil Units Without Cabinet, Deduct	*-371.90*	
			For Thru-Wall Sleeve, Add	*145.34*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-57.59*	
23 82 19 00-0032		EA	800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,094.73	237.98
			For Fan Coil Units Without Cabinet, Deduct	*-416.72*	
			For Thru-Wall Sleeve, Add	*149.97*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-100.62*	
23 82 19 00-0033		EA	1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,702.59	250.94
			For Fan Coil Units Without Cabinet, Deduct	*-505.33*	
			For Thru-Wall Sleeve, Add	*155.11*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-102.54*	
23 82 19 00-0034		EA	1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,328.95	272.25
			For Fan Coil Units Without Cabinet, Deduct	*-594.87*	
			For Thru-Wall Sleeve, Add	*163.94*	
			For 2-Way Valve Instead Of 3-Way, Deduct	*-105.85*	

23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0036		EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	393.71	

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002		LF	Demolish Cast Iron Radiator	27.77	
23 82 29 00-0003		EA	Cap Radiator	38.09	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005		EA	19" High Cast Iron Radiator Section, Free Standing	38.48	
			For Wall Support Bracket, Add	*26.21*	
23 82 29 00-0006		EA	25" High Cast Iron Radiator Section, Free Standing	53.89	
			For Wall Support Bracket, Add	*27.41*	
23 82 29 00-0007		EA	30" High Cast Iron Radiator Section, Free Standing	62.47	
23 82 29 00-0008		EA	36" High Cast Iron Radiator Section, Free Standing	78.26	
23 82 29 00-0009		EA	20" High Cast Iron Radiator Section, Recessed With Grille	53.75	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0010		**Radiator Covers** *(23 82 29)* Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	75.98	5.00
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	48.49	5.00
23 82 29 00-0013		**Radiator Shields** *(23 82 29)*		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield	60.58	5.00
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	29.69	5.00
23 82 29 00-0016		**Remove And Reinstall Radiator** *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	69.45	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	46.30	

23 82 33 Convectors *(23 82)*

23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	409.59	101.86
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*52.30*	
		For Snap-On Inlet Grille, Add	*40.87*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*89.34*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	480.35	111.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*56.51*	
		For Snap-On Inlet Grille, Add	*43.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*109.19*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	553.57	131.49
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*65.72*	
		For Snap-On Inlet Grille, Add	*49.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*124.08*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	661.70	152.79
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*75.44*	
		For Snap-On Inlet Grille, Add	*56.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*150.58*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	789.37	183.35
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*89.32*	
		For Snap-On Inlet Grille, Add	*65.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*179.07*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	886.89	201.68
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*97.65*	
		For Snap-On Inlet Grille, Add	*71.10*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*203.49*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,033.07	244.46
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*117.08*	
		For Snap-On Inlet Grille, Add	*84.06*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*231.98*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,126.00	259.74
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*124.03*	
		For Snap-On Inlet Grille, Add	*88.69*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*256.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,230.40	290.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.91*	
		For Snap-On Inlet Grille, Add	*97.94*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*276.75*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,358.14	320.86
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*151.81*	
		For Snap-On Inlet Grille, Add	*107.21*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*305.24*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,462.55	351.41
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*165.69*	
		For Snap-On Inlet Grille, Add	*116.46*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*325.58*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	484.57	133.99
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*66.29*	
		For Snap-On Inlet Grille, Add	*50.19*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*99.27*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	568.55	155.66
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*76.01*	
		For Snap-On Inlet Grille, Add	*56.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*117.32*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	686.50	182.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*88.19*	
		For Snap-On Inlet Grille, Add	*64.79*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*144.39*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	802.14	203.81
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*97.62*	
		For Snap-On Inlet Grille, Add	*71.08*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.86*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	934.18	229.19
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.04*	
		For Snap-On Inlet Grille, Add	*78.69*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*206.75*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,043.44	248.26
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*117.65*	
		For Snap-On Inlet Grille, Add	*84.44*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*234.94*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,189.99	282.89
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*133.43*	
		For Snap-On Inlet Grille, Add	*94.95*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*267.83*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,296.16	300.20
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*141.11*	
		For Snap-On Inlet Grille, Add	*100.08*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*296.02*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,403.38	327.34
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.14*	
		For Snap-On Inlet Grille, Add	*108.09*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*319.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,537.85	353.92
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*165.29*	
		For Snap-On Inlet Grille, Add	*116.19*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*352.41*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,641.41	378.27
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*176.22*	
		For Snap-On Inlet Grille, Add	*123.48*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*375.90*	
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	558.78	162.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*80.04*	
		For Snap-On Inlet Grille, Add	*59.36*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*109.19*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	667.41	197.24
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*95.61*	
		For Snap-On Inlet Grille, Add	*69.74*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*129.05*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	802.96	230.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*110.75*	
		For Snap-On Inlet Grille, Add	*79.83*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*158.83*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	926.03	250.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*119.89*	
		For Snap-On Inlet Grille, Add	*85.93*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*191.24*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,059.65	270.76
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*128.96*	
		For Snap-On Inlet Grille, Add	*91.98*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*227.42*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,178.08	290.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.91*	
		For Snap-On Inlet Grille, Add	*97.94*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*258.43*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,318.67	314.74
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*149.08*	
		For Snap-On Inlet Grille, Add	*105.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*294.61*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,438.02	334.93
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*158.30*	
		For Snap-On Inlet Grille, Add	*111.53*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*325.62*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,545.20	357.52
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*168.30*	
		For Snap-On Inlet Grille, Add	*118.20*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*351.47*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,681.85	378.92
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*178.29*	
		For Snap-On Inlet Grille, Add	*124.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*387.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,783.01	397.25
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*186.48*	
		For Snap-On Inlet Grille, Add	*130.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*413.49*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	404.38	98.91
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	442.86	98.91

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	460.61	98.91
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	519.80	98.91
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	571.59	98.91
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	652.98	98.91

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

23 82 36 00-0001 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	109.90	54.96
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	111.67	54.96

23 82 36 00-0005 Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	127.65	54.96
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	132.09	54.96

23 82 36 00-0008 Finned Tube Baseboard Units *(23 82 36)*

Note: Complete with steel enclosure. Single heating element.

23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	273.98	36.12
		For 90 Degree Corner, Add	*44.94*	
		For Valve Enclosure, Add	*44.94*	
		For Filler Piece, Add	*37.94*	
		For End Cap, Add	*30.71*	
		For Copper Tube With Aluminum Fins, Add	*5.46*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	359.34	54.63
		For 90 Degree Corner, Add	*52.09*	
		For Valve Enclosure, Add	*52.09*	
		For Filler Piece, Add	*45.09*	
		For End Cap, Add	*35.36*	
		For Copper Tube With Aluminum Fins, Add	*8.19*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	430.03	72.22
		For 90 Degree Corner, Add	*56.30*	
		For Valve Enclosure, Add	*56.30*	
		For Filler Piece, Add	*49.30*	
		For End Cap, Add	*38.10*	
		For Copper Tube With Aluminum Fins, Add	*10.92*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	535.76	101.11
		For 90 Degree Corner, Add	*67.78*	
		For Valve Enclosure, Add	*67.78*	
		For Filler Piece, Add	*60.78*	
		For End Cap, Add	*45.56*	
		For Copper Tube With Aluminum Fins, Add	*13.58*	
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	641.11	121.49
		For 90 Degree Corner, Add	*79.45*	
		For Valve Enclosure, Add	*79.45*	
		For Filler Piece, Add	*72.45*	
		For End Cap, Add	*53.14*	
		For Copper Tube With Aluminum Fins, Add	*16.16*	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	723.05	129.64
		For 90 Degree Corner, Add	*84.08*	
		For Valve Enclosure, Add	*84.08*	
		For Filler Piece, Add	*77.08*	
		For End Cap, Add	*56.15*	
		For Copper Tube With Aluminum Fins, Add	*19.40*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	797.22	143.25
		For 90 Degree Corner, Add	*91.86*	
		For Valve Enclosure, Add	*91.86*	
		For Filler Piece, Add	*84.86*	
		For End Cap, Add	*61.21*	
		For Copper Tube With Aluminum Fins, Add	*21.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	909.68	162.05
		For 90 Degree Corner, Add	*102.60*	
		For Valve Enclosure, Add	*102.60*	
		For Filler Piece, Add	*95.60*	
		For End Cap, Add	*68.19*	
		For Copper Tube With Aluminum Fins, Add	*24.57*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,003.05	178.26
		For 90 Degree Corner, Add	*111.87*	
		For Valve Enclosure, Add	*111.87*	
		For Filler Piece, Add	*104.87*	
		For End Cap, Add	*74.21*	
		For Copper Tube With Aluminum Fins, Add	*27.15*	
23 82 36 00-0019		**1" IPS Steel Tube With Steel Fins** *(23 82 36 00-0008)*		
23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	316.53	36.12
		For 90 Degree Corner, Add	*44.94*	
		For Valve Enclosure, Add	*44.94*	
		For Filler Piece, Add	*37.94*	
		For End Cap, Add	*30.71*	
		For Copper Tube With Aluminum Fins, Add	*7.80*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	423.16	54.63
		For 90 Degree Corner, Add	*52.09*	
		For Valve Enclosure, Add	*52.09*	
		For Filler Piece, Add	*45.09*	
		For End Cap, Add	*35.36*	
		For Copper Tube With Aluminum Fins, Add	*11.70*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	515.12	72.22
		For 90 Degree Corner, Add	*56.30*	
		For Valve Enclosure, Add	*56.30*	
		For Filler Piece, Add	*49.30*	
		For End Cap, Add	*38.10*	
		For Copper Tube With Aluminum Fins, Add	*15.60*	
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	641.67	101.11
		For 90 Degree Corner, Add	*67.80*	
		For Valve Enclosure, Add	*67.80*	
		For Filler Piece, Add	*60.80*	
		For End Cap, Add	*45.57*	
		For Copper Tube With Aluminum Fins, Add	*19.40*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	766.91	121.49
		For 90 Degree Corner, Add	*79.42*	
		For Valve Enclosure, Add	*79.42*	
		For Filler Piece, Add	*72.42*	
		For End Cap, Add	*53.12*	
		For Copper Tube With Aluminum Fins, Add	*23.09*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	874.20	129.64
		For 90 Degree Corner, Add	*84.08*	
		For Valve Enclosure, Add	*84.08*	
		For Filler Piece, Add	*77.08*	
		For End Cap, Add	*56.15*	
		For Copper Tube With Aluminum Fins, Add	*27.71*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	963.18	143.25
		For 90 Degree Corner, Add	*91.80*	
		For Valve Enclosure, Add	*91.80*	
		For Filler Piece, Add	*84.80*	
		For End Cap, Add	*61.17*	
		For Copper Tube With Aluminum Fins, Add	*30.48*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,101.13	162.05
		For 90 Degree Corner, Add	*102.60*	
		For Valve Enclosure, Add	*102.60*	
		For Filler Piece, Add	*95.60*	
		For End Cap, Add	*68.19*	
		For Copper Tube With Aluminum Fins, Add	*35.10*	
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,214.11	178.26
		For 90 Degree Corner, Add	*111.76*	
		For Valve Enclosure, Add	*111.76*	
		For Filler Piece, Add	*104.76*	
		For End Cap, Add	*74.14*	
		For Copper Tube With Aluminum Fins, Add	*38.79*	
23 82 36 00-0029		**1-1/4" IPS Steel Tube With Steel Fins** *(23 82 36 00-0008)*		
23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	359.07	36.12
		For 90 Degree Corner, Add	*44.94*	
		For Valve Enclosure, Add	*44.94*	
		For Filler Piece, Add	*37.94*	
		For End Cap, Add	*30.71*	
		For Copper Tube With Aluminum Fins, Add	*10.14*	
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	486.98	54.63
		For 90 Degree Corner, Add	*52.09*	
		For Valve Enclosure, Add	*52.09*	
		For Filler Piece, Add	*45.09*	
		For End Cap, Add	*35.36*	
		For Copper Tube With Aluminum Fins, Add	*15.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	600.20	72.22
		For 90 Degree Corner, Add	*56.30*	
		For Valve Enclosure, Add	*56.30*	
		For Filler Piece, Add	*49.30*	
		For End Cap, Add	*38.10*	
		For Copper Tube With Aluminum Fins, Add	*20.28*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	747.47	101.11
		For 90 Degree Corner, Add	*67.80*	
		For Valve Enclosure, Add	*67.80*	
		For Filler Piece, Add	*60.80*	
		For End Cap, Add	*45.57*	
		For Copper Tube With Aluminum Fins, Add	*25.22*	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	892.86	121.49
		For 90 Degree Corner, Add	*79.42*	
		For Valve Enclosure, Add	*79.42*	
		For Filler Piece, Add	*72.42*	
		For End Cap, Add	*53.12*	
		For Copper Tube With Aluminum Fins, Add	*30.02*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,025.34	129.64
		For 90 Degree Corner, Add	*84.08*	
		For Valve Enclosure, Add	*84.08*	
		For Filler Piece, Add	*77.08*	
		For End Cap, Add	*56.15*	
		For Copper Tube With Aluminum Fins, Add	*36.02*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,129.43	143.25
		For 90 Degree Corner, Add	*91.80*	
		For Valve Enclosure, Add	*91.80*	
		For Filler Piece, Add	*84.80*	
		For End Cap, Add	*61.17*	
		For Copper Tube With Aluminum Fins, Add	*39.62*	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,292.58	162.05
		For 90 Degree Corner, Add	*102.60*	
		For Valve Enclosure, Add	*102.60*	
		For Filler Piece, Add	*95.60*	
		For End Cap, Add	*68.19*	
		For Copper Tube With Aluminum Fins, Add	*45.63*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,425.70	178.26
		For 90 Degree Corner, Add	*111.76*	
		For Valve Enclosure, Add	*111.76*	
		For Filler Piece, Add	*104.76*	
		For End Cap, Add	*74.14*	
		For Copper Tube With Aluminum Fins, Add	*50.43*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,867.18	124.89
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,881.37	124.89
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,895.57	124.89
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,909.75	124.89
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,923.95	124.89
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,938.14	124.89
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	1,952.90	124.89
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	166.85	82.93

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	1,993.77	149.87
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,022.16	149.87
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,050.54	149.87
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,078.94	149.87
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,107.32	149.87
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,135.71	149.87
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,164.09	149.87
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	199.82	99.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0020		**Electric Cabinet Unit Heaters, 58" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,509.82	199.82
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,538.20	199.82
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,566.59	199.82
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,594.97	199.82
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,623.36	199.82
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,651.74	199.82
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	249.77	124.89
23 82 39 13-0028		**Electric Cabinet Unit Heaters, 68" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,969.11	249.77
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,011.68	249.77
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,054.26	249.77
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,096.83	249.77
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,139.42	249.77
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,181.99	249.77
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,224.57	249.77
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	333.71	166.85
23 82 39 13-0037		**Electric Cabinet Unit Heaters, 78" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,485.13	299.73
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,541.90	299.73
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,598.67	299.73
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,655.44	299.73
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,712.22	299.73
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,768.99	299.73
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,825.76	299.73
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	399.64	199.82
23 82 39 13-0046		**Removal and Reinstallation of Cabinet Unit Heaters** *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	254.65	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	439.86	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	525.04	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	710.23	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		**Hydronic Unit Heaters Using Steam Or Hot Water** *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		**Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt** *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	682.23	92.60
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	683.58	92.60
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	761.51	92.60
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	935.21	138.90
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	975.08	138.90
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,034.45	138.90
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,243.92	185.20
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,363.54	185.20
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,439.65	185.20
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,501.27	185.20
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,697.16	231.50
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,718.01	231.50
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,737.95	231.50
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,854.96	277.80
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,010.82	277.80

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,294.76	324.10
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,859.28	324.10
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,044.22	370.40
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,624.16	370.40
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	184.47	23.15
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	988.69	92.60
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,031.72	138.90
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,110.11	138.90
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,366.26	185.20
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,443.28	185.20
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,715.42	277.80
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,833.22	277.80
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,931.99	277.80
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,159.73	324.10
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,276.63	324.10
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,513.13	324.10
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,913.91	416.69
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,700.44	416.69
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,941.48	416.69
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,485.34	462.99
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	251.53	23.15
23 82 39 16-0040		Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	555.59	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	740.80	
23 82 39 19		**Wall and Ceiling Unit Heaters** *(23 82 39)*		
23 82 39 19-0001		Electric Unit Heaters *(23 82 39 19)* Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	578.69	99.91
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	578.69	99.91
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	771.27	124.89
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	888.20	149.87
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,285.79	199.82
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	1,850.54	249.77
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	2,529.76	299.73
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	3,649.83	349.69
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	701.86	99.91
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	677.81	99.91
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	806.47	124.89
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	934.00	149.87
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,377.38	199.82
23 82 39 19-0015		Electric Ceiling and Wall Heaters *(23 82 39 19)* Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	293.11	56.95
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	331.72	69.94
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	520.23	69.94
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	329.75	62.45
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	399.64	69.94
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	588.15	69.94
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	433.79	82.42
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	784.50	87.42
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	878.78	87.42
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,016.79	92.42
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,099.57	92.42
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	482.77	82.42
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	861.64	87.42
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	955.93	87.42
23 82 39 19-0030		Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0031	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	333.38	
23 82 39 19-0032	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	685.32	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 00-0001 Self Regulating Heating Cable *(23 83 13)*

23 83 13 00-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.46	0.64
		For TPE Covering, Add	*1.05*	
23 83 13 00-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.97	0.64
		For TPE Covering, Add	*1.17*	
23 83 13 00-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.42	0.64
		For TPE Covering, Add	*1.29*	
23 83 13 00-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.61	0.64
		For TPE Covering, Add	*1.08*	
23 83 13 00-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F	6.11	0.64
		For TPE Covering, Add	*1.21*	
23 83 13 00-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.62	0.64
		For TPE Covering, Add	*1.34*	
23 83 13 00-0008	EA	Power Connection Kit Note: Includes pre-set thermostat.	205.42	50.40
23 83 13 00-0009	EA	Splice And Tee Kit	205.42	50.40
23 83 13 00-0010	EA	End Seal Kit	122.95	9.16
23 83 13 00-0011	EA	Ambient Air Sensing Thermostat	332.41	22.91
23 83 13 00-0012	EA	Line Sensing Thermostat Note: Mechanical or electronic.	364.97	22.91

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 00-0001 Steam Type Pneumatically Controlled *(23 84 13)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 00-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,256.63	244.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*389.34*	
23 84 13 00-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,256.63	244.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*389.34*	
23 84 13 00-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,760.49	244.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*540.49*	
23 84 13 00-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,853.08	305.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*571.36*	
23 84 13 00-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,588.97	244.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*789.04*	
23 84 13 00-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,681.56	305.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*819.90*	
23 84 13 00-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,976.05	305.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,208.25*	
23 84 13 00-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	4,091.81	382.44
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,246.83*	

23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 00-0011	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	7,306.94	381.51
23 84 13 00-0012	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	9,222.00	382.44

23 84 13 00-0013 Residential Humidifiers *(23 84 13)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 00-0014	EA	Duct Or Furnace Mounted Humidifier, Residential Type	384.35	46.30

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	1,317.77	49.96
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,654.03	58.27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,207.30	66.61

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	339.19	107.92
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	398.04	107.92
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	433.35	107.92

END OF SECTION 23

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

This Page Intentionally Left Blank

www.gordian.com
855.467.9444
30 Patewood Drive, Suite 350
Greenville, South Carolina 29615

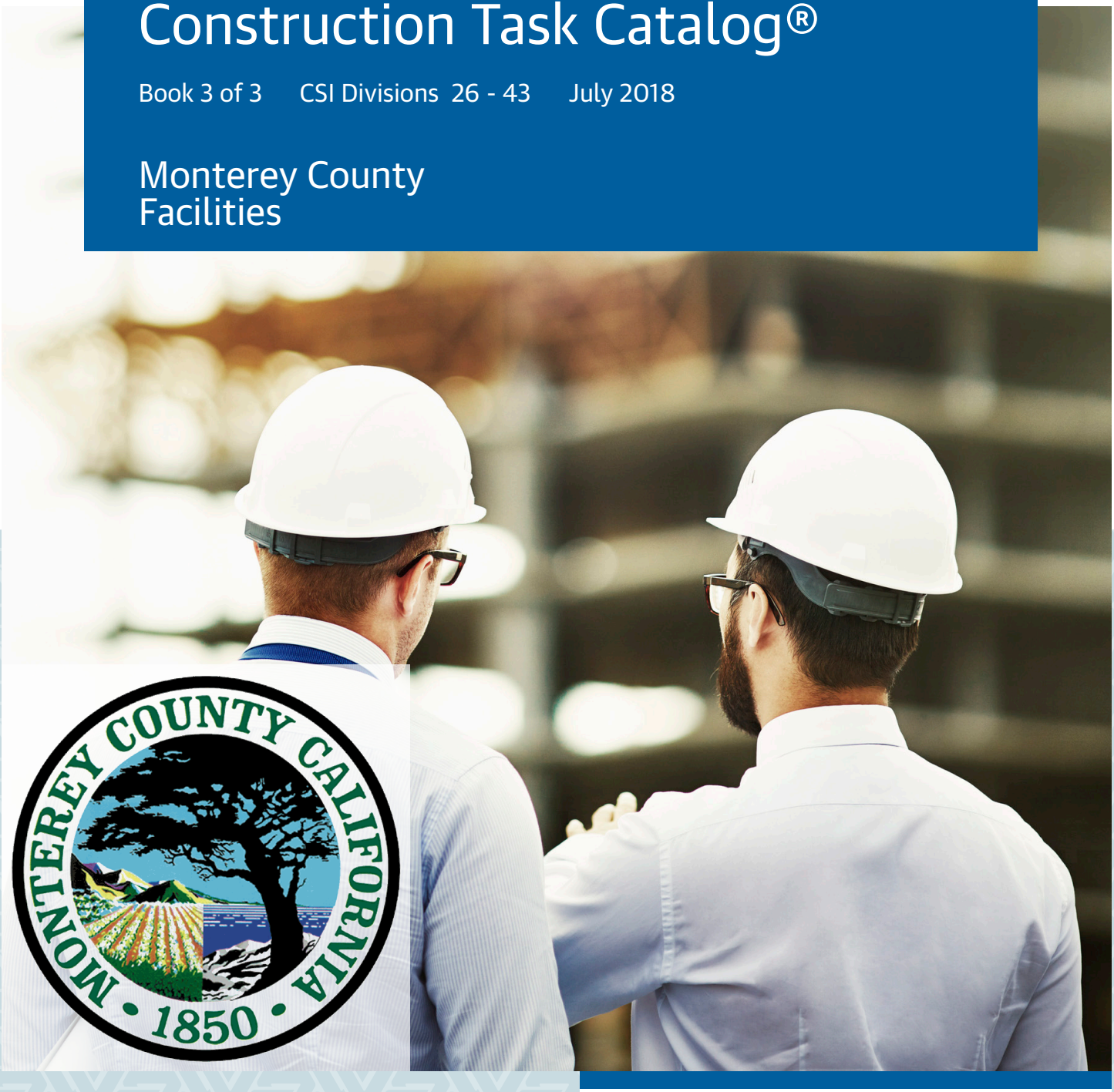
GORDIAN®

Building knowledge

Job Order Contract Construction Task Catalog®

Book 3 of 3 CSI Divisions 26 - 43 July 2018

Monterey County Facilities



GORDIAN®

This Page Intentionally Left Blank

00 Using The Construction Task Catalog® 1

01 General Requirements 1
01 20 Price And Payment Procedures ... 1
01 22 Unit Prices ... 1
01 30 Administrative Requirements ... 31
01 32 Construction Progress Documentation ... 31
01 40 Quality Requirements ... 31
01 45 Quality Control ... 31
01 50 Temporary Facilities And Controls ... 34
01 51 Temporary Utilities ... 34
01 52 Construction Facilities ... 35
01 54 Construction Aids ... 36
01 55 Vehicular Access And Parking ... 39
01 56 Temporary Barriers And Enclosures ... 42
01 57 Temporary Controls ... 50
01 58 Project Identification ... 50
01 60 Product Requirements ... 51
01 66 Product Storage And Handling Requirements ... 51
01 70 Execution And Closeout Requirements ... 51
01 71 Examination And Preparation ... 51
01 74 Cleaning And Waste Management ... 53

02 Existing Conditions 1
02 20 Assessment ... 1
02 25 Existing Material Assessment ... 1
02 30 Subsurface Investigation ... 1
02 32 Geotechnical Investigations ... 1
02 40 Demolition And Structure Moving ... 1
02 41 Demolition ... 1
02 43 Structure Moving ... 17
02 60 Contaminated Site Material Removal ... 17
02 61 Removal And Disposal Of Contaminated Soils ... 17
02 65 Underground Storage Tank Removal ... 18
02 80 Facility Remediation ... 21
02 81 Transportation And Disposal Of Hazardous Materials ... 21
02 82 Asbestos Remediation ... 21
02 83 Lead Remediation ... 28
02 84 Polychlorinate Biphenyl Remediation ... 31
02 87 Bio-Hazard Material Remediation ... 32
02 89 Hazmat Ancillary Tasks And Support ... 35
02 90 Disaster Recovery ... 35
02 90 50 Cleaning And Emergency Clean-up ... 35

03 Concrete 1
03 01 Maintenance Of Concrete ... 1
03 01 30 Maintenance Of Cast-In-Place Concrete ... 1
03 05 Common Work Results For Concrete ... 3
03 10 Concrete Forming And Accessories ... 3
03 11 Concrete Forming ... 3
03 15 Concrete Accessories ... 7
03 20 Concrete Reinforcing ... 16
03 21 Reinforcement Bars ... 16
03 22 Fabric And Grid Reinforcing ... 25
03 30 Cast-In-Place Concrete ... 26
03 31 Structural Concrete ... 27
03 35 Concrete Finishing ... 43
03 37 Specialty Placed Concrete ... 46
03 39 Concrete Curing ... 47
03 40 Precast Concrete ... 47
03 41 Precast Structural Concrete ... 47
03 48 Precast Concrete Specialties ... 57
03 50 Cast Decks And Underlayment ... 60

copyright © 2018 The Gordian Group, Inc.

03 51 Cast Roof Decks 60
03 52 Lightweight Concrete Roof Insulation 60
03 53 Concrete Topping 61
03 54 Cast Underlayment 61
03 60 Grouting 61
03 61 Cementitious Grouting 61
03 62 Non-Shrink Grouting 61
03 64 Injection Grouting 62
03 80 Concrete Cutting And Boring 62
03 81 Concrete Cutting 62
03 82 Concrete Boring 62

04 Masonry 1

04 01 Maintenance Of Masonry 1
04 01 20 Maintenance Of Unit Masonry 1
04 01 40 Maintenance of Stone Assemblies 10
04 01 50 Maintenance of Refractory Masonry 11
04 05 Common Work Results For Masonry 11
04 05 13 Masonry Mortaring 11
04 05 16 Masonry Grouting 11
04 05 19 Masonry Anchorage And Reinforcing 12
04 05 23 Masonry Accessories 37
04 05 26 Masonry Scaffolding 39
04 20 Unit Masonry 39
04 21 Clay Unit Masonry 39
04 22 Concrete Unit Masonry 42
04 23 Glass Unit Masonry 46
04 40 Stone Assemblies 46
04 41 Dry-Placed Stone 46
04 42 Exterior Stone Cladding 46
04 43 Stone Masonry 47
04 50 Refractory Masonry 48
04 51 Flue Liner Masonry 48
04 70 Manufactured Masonry 48
04 72 Cast Stone Masonry 49

05 Metals 1

05 05 Common Work Results For Metals 1
05 05 19 Post-Installed Concrete Anchors 1
05 05 23 Metal Fastenings 12
05 10 Structural Metal Framing 75
05 12 Structural Steel Framing 75
05 13 Structural Stainless-Steel Framing 125
05 14 Structural Aluminum Framing 125
05 15 Wire Rope Assemblies 126
05 20 Metal Joists 132
05 21 Steel Joist Framing 132
05 30 Metal Decking 132
05 31 Steel Decking 133
05 36 Composite Metal Decking 136
05 40 Cold-Formed Metal Framing 139
05 41 Structural Metal Stud Framing 139
05 42 Cold-Formed Metal Joist Framing 141
05 43 Slotted Channel Framing 141
05 45 Metal Support Assemblies 143
05 50 Metal Fabrications 143
05 51 Metal Stairs 143
05 52 Metal Railings 145
05 53 Metal Gratings 153
05 54 Metal Floor Plates 161
05 55 Metal Stair Treads And Nosings 161
05 56 Metal Castings 163
05 58 Formed Metal Fabrications 163
05 59 Metal Specialties 164
05 70 Decorative Metal 172
05 71 Decorative Metal Stairs 172
05 73 Decorative Metal Railings 172

copyright © 2018 The Gordian Group, Inc.

05 75 Decorative Formed Metal 173

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites 1
06 01 20 Maintenance of Finish Carpentry 1
06 05 Common Work Results For Wood, Plastics, And Composites 1
06 05 23 Wood, Plastic, And Composite Fastenings 1
06 05 73 Wood Treatment 17
06 10 Rough Carpentry 17
06 11 Wood Framing 17
06 13 Heavy Timber Construction 22
06 15 Wood Decking 24
06 16 Sheathing 27
06 17 Shop-Fabricated Structural Wood 33
06 18 Glued-Laminated Construction 38
06 20 Finish Carpentry 39
06 22 Millwork 39
06 25 Prefinished Paneling 41
06 40 Architectural Woodwork 41
06 41 Architectural Wood Casework 42
06 42 Wood Paneling 54
06 43 Wood Stairs And Railings 57
06 44 Ornamental Woodwork 58
06 46 Wood Trim 60
06 48 Wood Frames 77
06 50 Structural Plastics 78
06 51 Structural Plastic Shapes And Plates 78
06 52 Plastic Structural Assemblies 83
06 53 Plastic Decking 84
06 60 Plastic Fabrications 84
06 65 Plastic Trim 84
06 70 Structural Composites 85
06 74 Composite Gratings 85
06 80 Composite Fabrications 87
06 82 Composite Trim 87
06 83 Composite Paneling 89

07 Thermal And Moisture Protection 1

07 01 Operation And Maintenance Of Thermal And Moisture Protection 1
07 01 50 Maintenance Of Membrane Roofing 1
07 05 Common Work Results For Thermal And Moisture Protection 1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work 1
07 10 Dampproofing And Waterproofing 1
07 11 Dampproofing 2
07 13 Sheet Waterproofing 2
07 14 Fluid-Applied Waterproofing 3
07 16 Cementitious And Reactive Waterproofing 4
07 17 Bentonite Waterproofing 4
07 19 Water Repellents 4
07 20 Thermal Protection 5
07 21 Thermal Insulation 5
07 22 Roof And Deck Insulation 11
07 24 Exterior Insulation And Finish Systems 21
07 25 Weather Barriers 24
07 26 Vapor Retarders 24
07 27 Air Barriers 24
07 30 Steep Slope Roofing 24
07 31 Shingles And Shakes 24
07 32 Roof Tiles 29
07 34 Roofing Underlayment 31
07 40 Roofing And Siding Panels 33
07 41 Roof Panels 33
07 42 Wall Panels 36
07 46 Siding 37
07 50 Membrane Roofing 41
07 51 Built-Up Bituminous Roofing 41
07 52 Modified Bituminous Membrane Roofing 48

copyright © 2018 The Gordian Group, Inc.

07 53 Elastomeric Membrane Roofing 54
07 54 Thermoplastic Membrane Roofing 56
07 56 Fluid-Applied Roofing 59
07 57 Coated Foamed Roofing 60
07 58 Roll Roofing 62
07 59 Membrane Roofing Accessories 62
07 60 Flashing And Sheet Metal 62
07 61 Sheet Metal Roofing 62
07 62 Sheet Metal Flashing And Trim 64
07 63 Sheet Metal Roofing Specialties 69
07 65 Flexible Flashing 70
07 70 Roof And Wall Specialties And Accessories 70
07 71 Roof Specialties 70
07 72 Roof Accessories 86
07 73 Roof Protection Board 107
07 76 Roof Pavers 107
07 80 Fire And Smoke Protection 108
07 81 Applied Fireproofing 108
07 82 Board Fireproofing 110
07 84 Firestopping 110
07 90 Joint Protection 116
07 91 Preformed Joint Seals 116
07 92 Joint Sealants 118
07 95 Expansion Control 120

08 Openings 1

08 01 Operation And Maintenance Of Openings 1
08 01 10 Operation And Maintenance Of Doors And Frames 1
08 01 50 Operation And Maintenance Of Windows 1
08 01 80 Maintenance of Glazing 1
08 05 Common Work Results For Openings 1
08 05 13 Door Options And Modifications 1
08 10 Doors And Frames 2
08 11 Metal Doors And Frames 3
08 12 Metal Frames 3
08 13 Metal Doors 31
08 14 Wood Doors 54
08 15 Plastic Doors 110
08 16 Composite Doors 110
08 17 Integrated Door Opening Assemblies 115
08 30 Specialty Doors And Frames 118
08 31 Access Doors And Panels 119
08 32 Sliding Glass Doors 119
08 33 Coiling Doors And Grilles 120
08 34 Special Function Doors 140
08 36 Panel Doors 144
08 38 Traffic Doors 151
08 40 Entrances, Storefronts, And Curtain Walls 167
08 42 Entrances 167
08 43 Storefronts 172
08 44 Curtain Wall And Glazed Assemblies 176
08 45 Translucent Wall And Roof Assemblies 179
08 50 Windows 179
08 51 Metal Windows 179
08 52 Wood Windows 197
08 53 Plastic Windows 235
08 56 Special Function Windows 263
08 60 Roof Windows And Skylights 266
08 62 Unit Skylights 266
08 63 Metal-Framed Skylights 271
08 66 Wood-Framed Skylights 277
08 70 Hardware 278
08 71 Door Hardware 278
08 75 Window Hardware 384
08 79 Hardware Accessories 384
08 80 Glazing 384
08 81 Glass Glazing 384
08 83 Mirrors 395

copyright © 2018 The Gordian Group, Inc.

08 84 Plastic Glazing ... 396
08 85 Glazing Accessories ... 398
08 87 Glazing Surface Films ... 398
08 88 Special Function Glazing ... 399
08 90 Louvers And Vents ... 401
08 91 Louvers ... 401
08 95 Vents ... 433

09 Finishes 1

09 01 Maintenance Of Finishes ... 1
09 01 20 Maintenance Of Plaster And Gypsum Board ... 1
09 01 30 Maintenance of Tiling ... 1
09 01 60 Maintenance Of Flooring ... 1
09 01 80 Maintenance Of Acoustic Treatment ... 2
09 05 Common Work Results For Finishes ... 2
09 05 61 Common Work Results for Flooring Preparation ... 2
09 05 71 Acoustic Underlayment ... 2
09 20 Plaster And Gypsum Board ... 2
09 22 Supports For Plaster And Gypsum Board ... 2
09 23 Gypsum Plastering ... 12
09 24 Cement Plastering ... 13
09 28 Backing Boards And Underlayments ... 14
09 29 Gypsum Board ... 15
09 30 Tiling ... 24
09 30 13 Ceramic Tiling ... 24
09 30 16 Quarry Tiling ... 24
09 30 33 Stone Tiling ... 25
09 31 Thin-Set Tiling ... 29
09 32 Mortar-Bed Tiling ... 29
09 34 Waterproofing-Membrane Tiling ... 30
09 35 Chemical-Resistant Tiling ... 30
09 39 Tiling Transitions And Accessories ... 30
09 50 Ceilings ... 31
09 51 Acoustical Ceilings ... 31
09 53 Acoustical Ceiling Suspension Assemblies ... 38
09 54 Specialty Ceilings ... 39
09 57 Special Function Ceilings ... 40
09 60 Flooring ... 40
09 61 Flooring Treatment ... 40
09 63 Masonry Flooring ... 41
09 64 Wood Flooring ... 41
09 65 Resilient Flooring ... 44
09 66 Terrazzo Flooring ... 51
09 67 Fluid-Applied Flooring ... 54
09 68 Carpeting ... 54
09 69 Access Flooring ... 62
09 70 Wall Finishes ... 63
09 72 Wall Coverings ... 63
09 73 Wall Carpeting ... 63
09 74 Flexible Wood Sheets ... 63
09 77 Special Wall Surfacing ... 64
09 80 Acoustic Treatment ... 64
09 81 Acoustic Insulation ... 64
09 84 Acoustic Room Components ... 64
09 85 Acoustic Sound Deadening ... 65
09 90 Painting And Coating ... 65
09 91 Painting ... 65
09 93 Staining And Transparent Finishing ... 135
09 96 High-Performance Coatings ... 136
09 97 Special Coatings ... 137

10 Specialties 1

10 10 Information Specialties ... 1
10 11 Visual Display Units ... 1
10 12 Display Cases ... 7
10 13 Directories ... 8
10 14 Signage ... 11

copyright © 2018 The Gordian Group, Inc.

10 20 Interior Specialties ... 36
10 21 Compartments And Cubicles ... 36
10 22 Partitions ... 61
10 26 Wall And Door Protection ... 65
10 28 Toilet, Bath, And Laundry Accessories ... 75
10 40 Safety Specialties ... 85
10 41 Emergency Access And Information Cabinets ... 85
10 44 Fire Protection Specialties ... 85
10 50 Storage Specialties ... 91
10 51 Lockers ... 91
10 55 Postal Specialties ... 106
10 56 Storage Assemblies ... 106
10 57 Wardrobe And Closet Specialties ... 109
10 70 Exterior Specialties ... 109
10 73 Protective Covers ... 109
10 75 Flagpoles ... 110
10 80 Other Specialties ... 112
10 81 Pest Control Devices ... 112
10 86 Security Mirrors And Domes ... 113

11 Equipment 1
11 01 Operation And Maintenance Of Equipment ... 1
11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ... 1
11 10 Vehicle And Pedestrian Equipment ... 1
11 11 Vehicle Service Equipment ... 1
11 12 Parking Control Equipment ... 2
11 13 Loading Dock Equipment ... 3
11 14 Pedestrian Control Equipment ... 8
11 20 Commercial Equipment ... 10
11 21 Retail and Service Equipment ... 10
11 30 Residential Equipment ... 11
11 30 13 Residential Appliances ... 11
11 30 33 Retractable Stairs ... 14
11 32 Unit Kitchens ... 14
11 40 Foodservice Equipment ... 15
11 41 Foodservice Storage Equipment ... 15
11 42 Food Preparation Equipment ... 35
11 44 Food Cooking Equipment ... 37
11 46 Food Dispensing Equipment ... 38
11 48 Foodservice Cleaning and Disposal Equipment ... 40
11 50 Educational And Scientific Equipment ... 41
11 52 Audio-Visual Equipment ... 41
11 53 Laboratory Equipment ... 49
11 60 Entertainment and Recreation Equipment ... 49
11 66 Athletic Equipment ... 49
11 68 Play Field Equipment And Structures ... 49
11 70 Healthcare Equipment ... 54
11 73 Patient Care Equipment ... 54
11 80 Facility Maintenance and Operation Equipment ... 54
11 81 Maintenance Equipment ... 54
11 82 Facility Solid Waste Handling Equipment ... 54

12 Furnishings 1
12 01 Operation And Maintenance Of Furnishings ... 1
12 01 60 Operation And Maintenance Of Multiple Seating ... 1
12 20 Window Treatments ... 1
12 21 Window Blinds ... 1
12 22 Curtains And Drapes ... 1
12 23 Interior Shutters ... 3
12 24 Window Shades ... 5
12 30 Casework ... 5
12 31 Manufactured Metal Casework ... 5
12 35 Specialty Casework ... 10
12 36 Countertops ... 10
12 40 Furnishings And Accessories ... 11
12 48 Rugs And Mats ... 11
12 50 Furniture ... 12

copyright © 2018 The Gordian Group, Inc.

12 55 Detention Furniture 12
12 59 Systems Furniture 14
12 60 Multiple Seating 17
12 61 Fixed Audience Seating 17
12 62 Portable-Audience Seating 17

13 Special Construction 1
13 10 Special Facility Components 1
13 11 Swimming Pools 1
13 12 Fountains 1
13 20 Special Purpose Rooms 2
13 21 Controlled Environment Rooms 2
13 30 Special Structures 2
13 34 Fabricated Engineered Structures 2
13 40 Integrated Construction 21
13 42 Building Modules 21
13 47 Facility Protection 21
13 48 Sound, Vibration, And Seismic Control 22
13 49 Radiation Protection 23

14 Conveying Equipment 1
14 01 Operation And Maintenance Of Conveying Equipment 1
14 01 20 Operation And Maintenance Of Elevators 1
14 01 30 Operation And Maintenance Of Escalators And Moving Walks 2
14 20 Elevators 3
14 24 Hydraulic Elevators 3
14 26 Limited-Use/Limited-Application Elevators 7
14 90 Other Conveying Equipment 7
14 91 Facility Chutes 7
14 92 Pneumatic Tube Systems 8

21 Fire Suppression 1
21 01 Operation and Maintenance of Fire Suppression 1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems 1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment 1
21 05 Common Work Results for Fire Suppression 1
21 05 13 Common Motor Requirements For Fire-Suppression Equipment 1
21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping 1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping 1
21 05 19 Meters And Gages For Fire-Suppression Systems 1
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping 2
21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment 3
21 05 48 Vibration And Seismic Controls for Fire-Suppresion Piping and Equipment 4
21 05 53 Identification For Fire-Suppression Piping And Equipment 4
21 07 Fire-Suppression Systems Insulation 4
21 07 19 Fire-Suppression Piping Insulation 4
21 10 Water-Based Fire-Suppression Systems 4
21 11 Facility Fire-Suppression Water-Service Piping 4
21 12 Fire-Suppression Standpipes 4
21 13 Fire-Suppression Sprinkler Systems 5
21 20 Fire-Extinguishing Systems 32
21 21 Carbon-Dioxide Fire-Extinguishing Systems 33
21 22 Clean-Agent Fire-Extinguishing Systems 33
21 23 Wet-Chemical Fire-Extinguishing Systems 41
21 24 Dry-Chemical Fire-Extinguishing Systems 44
21 30 Fire Pumps 47
21 31 Centrifugal Fire Pumps 47

22 Plumbing 1
22 01 Operation and Maintenance of Plumbing 1
22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps 1
22 01 40 Operation and Maintenance of Plumbing Fixtures 1
22 05 Common Work Results for Plumbing 2
22 05 13 Common Motor Requirements For Plumbing Equipment 2
22 05 16 Expansion Fittings And Loops For Plumbing Piping 2

copyright © 2018 The Gordian Group, Inc.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping 2
22 05 19 Meters And Gages For Plumbing Piping 2
22 05 23 General-Duty Valves For Plumbing Piping 2
22 05 29 Hangers And Supports For Plumbing Piping And Equipment 3
22 05 33 Heat Tracing For Plumbing Piping 3
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment 3
22 05 53 Identification For Plumbing Piping And Equipment 3
22 05 76 Facility Drainage Piping Cleanouts 3
22 07 Plumbing Insulation 6
22 07 16 Plumbing Equipment Insulation 7
22 07 19 Plumbing Piping Insulation 7
22 10 Plumbing Piping 36
22 11 Facility Water Distribution 36
22 12 Facility Potable-Water Storage Tanks 96
22 13 Facility Sanitary Sewerage 98
22 14 Facility Storm Drainage 144
22 15 General Service Compressed-Air Systems 153
22 30 Plumbing Equipment 156
22 31 Domestic Water Softeners 156
22 32 Domestic Water Filtration Equipment 158
22 33 Electric Domestic Water Heaters 159
22 34 Fuel-Fired Domestic Water Heaters 162
22 35 Domestic Water Heat Exchangers 165
22 40 Plumbing Fixtures 166
22 41 Residential Plumbing Fixtures 166
22 42 Commercial Plumbing Fixtures 166
22 43 Healthcare Plumbing Fixtures 181
22 45 Emergency Plumbing Fixtures 182
22 46 Security Plumbing Fixtures 186
22 47 Drinking Fountains And Water Coolers 188
22 50 Pool And Fountain Plumbing Systems 190
22 51 Swimming Pool Plumbing Systems 190
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities 192
22 63 Gas Systems For Laboratory And Healthcare Facilities 192
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities 192

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

23 01 Operation and Maintenance of HVAC Systems 1
23 01 10 Operation and Maintenance of Facility Fuel Systems 1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps 1
23 01 30 Operation and Maintenance of HVAC Air Distribution 2
23 01 50 Operation and Maintenance of Central Heating Equipment 3
23 01 60 Operation and Maintenance of Central Cooling Equipment 4
23 05 Common Work Results For HVAC 4
23 05 13 Common Motor Requirements For HVAC Equipment 4
23 05 16 Expansion Fittings And Loops For HVAC Piping 7
23 05 17 Sleeves and Sleeve Seals for HVAC Piping 8
23 05 19 Meters And Gages For HVAC Piping 9
23 05 23 General-Duty Valves For HVAC Piping 12
23 05 29 Hangers And Supports For HVAC Piping And Equipment 31
23 05 33 Heat Tracing For HVAC Piping 59
23 05 48 Vibration and Seismic Controls for HVAC 59
23 05 53 Identification For HVAC Piping And Equipment 64
23 05 93 Testing, Adjusting, And Balancing For HVAC 64
23 07 HVAC Insulation 67
23 07 13 Duct Insulation 67
23 07 16 HVAC Equipment Insulation 68
23 07 19 HVAC Piping Insulation 69
23 08 Commissioning Of HVAC 72
23 09 Instrumentation And Control For HVAC 72
23 09 13 Instrumentation And Control Devices For HVAC 72
23 09 23 Direct-Digital Control System For HVAC 73
23 10 Facility Fuel Systems 91
23 11 Facility Fuel Piping 91
23 12 Facility Fuel Pumps 98
23 13 Facility Fuel-Storage Tanks 98
23 20 HVAC Piping And Pumps 107
23 21 Hydronic Piping And Pumps 107

copyright © 2018 The Gordian Group, Inc.

23 22 Steam And Condensate Piping And Pumps ... 191
23 23 Refrigerant Piping ... 197
23 25 HVAC Water Treatment ... 202
23 30 HVAC Air Distribution ... 202
23 31 HVAC Ducts And Casings ... 202
23 33 Air Duct Accessories ... 264
23 34 HVAC Fans ... 307
23 35 Special Exhaust Systems ... 323
23 36 Air Terminal Units ... 325
23 37 Air Outlets And Inlets ... 328
23 38 Ventilation Hoods ... 343
23 40 HVAC Air Cleaning Devices ... 345
23 41 Particulate Air Filtration ... 345
23 42 Gas-Phase Air Filtration ... 351
23 44 Ultraviolet HVAC Microbial Control ... 351
23 50 Central Heating Equipment ... 353
23 51 Breechings, Chimneys, And Stacks ... 353
23 52 Heating Boilers ... 374
23 53 Heating Boiler Feedwater Equipment ... 392
23 54 Furnaces ... 393
23 55 Fuel-Fired Heaters ... 395
23 57 Heat Exchangers for HVAC ... 396
23 60 Central Cooling Equipment ... 398
23 61 Refrigerant Compressors ... 398
23 62 Packaged Compressor and Condenser Units ... 399
23 63 Refrigerant Condensers ... 400
23 64 Packaged Water Chillers ... 402
23 65 Cooling Towers ... 406
23 70 Central HVAC Equipment ... 410
23 71 Thermal Storage ... 410
23 72 Air-To-Air Energy Recovery Equipment ... 410
23 73 Indoor Central-Station Air-Handling Units ... 411
23 74 Packaged Outdoor HVAC Equipment ... 430
23 76 Evaporative Air-Cooling Equipment ... 439
23 80 Decentralized Unitary HVAC Equipment ... 439
23 81 Decentralized Unitary HVAC Equipment ... 439
23 82 Convection Heating And Cooling Units ... 452
23 83 Radiant Heating Units ... 468
23 84 Humidity Control Equipment ... 468

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems ... 1
26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ... 1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ... 2
26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment ... 2
26 01 50 Operation and Maintenance of Lighting ... 2
26 05 Common Work Results For Electrical ... 15
26 05 13 Medium-Voltage Cables ... 15
26 05 19 Low-Voltage Electrical Power Conductors And Cables ... 20
26 05 23 Control-Voltage Electrical Power Cables ... 36
26 05 26 Grounding And Bonding For Electrical Systems ... 37
26 05 29 Hangers And Supports For Electrical Systems ... 41
26 05 33 Raceway And Boxes For Electrical Systems ... 61
26 05 36 Cable Trays For Electrical Systems ... 184
26 05 39 Underfloor Raceways for Electrical Systems ... 271
26 05 43 Underground Ducts And Raceways For Electrical Systems ... 273
26 05 46 Utility Poles for Electrical Systems ... 276
26 05 53 Identification for Electrical Systems ... 283
26 05 83 Wiring Connections ... 284
26 09 Instrumentation and Control for Electrical Systems ... 287
26 09 23 Lighting Control Devices ... 287
26 10 Medium-Voltage Electrical Distribution ... 305
26 11 Substations ... 305
26 12 Medium-Voltage Transformers ... 313
26 13 Medium-Voltage Switchgear ... 317
26 18 Medium-Voltage Circuit Protection Devices ... 318
26 20 Low-Voltage Electrical Distribution ... 319
26 21 Low-Voltage Electrical Service Entrance ... 319

copyright © 2018 The Gordian Group, Inc.

26 22 Low-Voltage Transformers....320
26 24 Switchboards And Panelboards....327
26 25 Enclosed Bus Assemblies....380
26 26 Power Distribution Units....383
26 27 Low-Voltage Distribution Equipment....383
26 28 Low-Voltage Circuit Protective Devices....400
26 29 Low-Voltage Controllers....421
26 30 Facility Electrical Power Generating And Storing Equipment....438
26 31 Photovoltaic Collectors....438
26 32 Packaged Generator Assemblies....441
26 33 Battery Equipment....445
26 35 Power Filters And Conditioners....447
26 36 Transfer Switches....448
26 40 Electrical And Cathodic Protection....450
26 41 Facility Lightning Protection....450
26 43 Surge Protective Devices....453
26 50 Lighting....456
26 51 Interior Lighting....456
26 52 Safety Lighting....479
26 53 Exit Signs....481
26 55 Special Purpose Lighting....482
26 56 Exterior Lighting....484

27 Communications 1

27 05 Common Work Results for Communications....1
27 05 26 Grounding and Bonding for Communications Systems....1
27 05 29 Hangers And Supports For Communications Systems....1
27 05 33 Conduits And Backboxes For Communications Systems....4
27 05 36 Cable Trays For Communications Systems....4
27 05 39 Surface Raceways For Communications Systems....4
27 05 43 Underground Ducts And Raceways For Communications Systems....4
27 05 46 Utility Poles For Communications Systems....4
27 05 53 Identification For Communications Systems....4
27 10 Structured Cabling....4
27 11 Communications Equipment Room Fittings....4
27 14 Communications Cabling....10
27 16 Communications Connecting Cords, Devices, And Adapters....46
27 20 Data Communications....47
27 21 Data Communications Network Equipment....47
27 30 Voice Communications....50
27 31 Voice Communications Switching and Routing Equipment....50
27 32 Voice Communications Terminal Equipment....50
27 40 Audio-Video Communications....51
27 41 Audio-Video Systems....51
27 50 Distributed Communications And Monitoring Systems....52
27 51 Distributed Audio-Video Communications Systems....52
27 52 Healthcare Communications And Monitoring Systems....53
27 53 Distributed Systems....54

28 Electronic Safety And Security 1

28 05 Common Work Results For Electronic Safety And Security....1
28 05 13 Conductors And Cables For Electronic Safety And Security....1
28 05 26 Grounding And Bonding For Electronic Safety And Security....3
28 05 28 Pathways For Electronic Safety And Security....3
28 05 53 Identification For Electronic Safety And Security....4
28 10 Access Control....4
28 15 Access Control Hardware Devices....4
28 16 Access Control Interfaces....4
28 18 Security Access Detection Equipment....10
28 20 Video Surveillance....10
28 21 Surveillance Cameras....10
28 40 Life Safety....29
28 42 Gas Detection and Alarm....29
28 43 Fuel Oil Detection And Alarm....29
28 46 Fire Detection And Alarm....29
28 47 Mass Notification....70
28 49 Electronic Personal Protection Systems....73

copyright © 2018 The Gordian Group, Inc.

31 Earthwork 1
31 01 Maintenance of Earthwork 1
31 01 20 Maintenance of Earth Moving 1
31 05 Common Work Results For Earthwork 1
31 05 13 Soils For Earthwork 1
31 05 16 Aggregates For Earthwork 1
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization 2
31 10 Site Clearing 2
31 11 Clearing And Grubbing 2
31 13 Selective Tree And Shrub Removal And Trimming 3
31 20 Earth Moving 4
31 23 Excavation And Fill 5
31 24 Embankments 13
31 25 Erosion And Sedimentation Controls 14
31 30 Earthwork Methods 18
31 31 Soil Treatment 18
31 32 Soil Stabilization 18
31 36 Gabions 21
31 37 Riprap 21
31 40 Shoring And Underpinning 21
31 41 Shoring 21
31 45 Vibroflotation And Densification 22
31 48 Underpinning 22
31 50 Excavation Support And Protection 22
31 52 Cofferdams 22
31 60 Special Foundations And Load-bearing Elements 23
31 62 Driven Piles 23
31 63 Bored Piles 26
31 64 Caissons 28
31 68 Foundation Anchors 32

32 Exterior Improvements 1
32 01 Operation And Maintenance Of Exterior Improvements 1
32 01 11 Paving Cleaning 1
32 01 13 Flexible Paving Surface Treatment 1
32 01 16 Flexible Paving Rehabilitation 2
32 01 17 Flexible Paving Repair 5
32 01 26 Rigid Paving Rehabilitation 6
32 01 90 Operation And Maintenance Of Planting 6
32 10 Bases, Ballasts, And Paving 10
32 11 Base Courses 10
32 12 Flexible Paving 10
32 13 Rigid Paving 15
32 14 Unit Paving 18
32 15 Aggregate Surfacing 22
32 16 Curbs, Gutters, Sidewalks, And Driveways 22
32 17 Paving Specialties 28
32 18 Athletic And Recreational Surfacing 40
32 30 Site Improvements 48
32 31 Fences And Gates 48
32 32 Retaining Walls 108
32 33 Site Furnishings 114
32 39 Manufactured Site Specialties 119
32 80 Irrigation 121
32 84 Planting Irrigation 121
32 90 Planting 138
32 91 Planting Preparation 138
32 92 Turf And Grasses 141
32 93 Plants 145
32 94 Planting Accessories 181
32 96 Transplanting 184

33 Utilities 1
33 01 Operation And Maintenance Of Utilities 1
33 01 10 Operation And Maintenance Of Water Utilities 1
33 01 30 Operation And Maintenance Of Sewer Utilities 1

copyright © 2018 The Gordian Group, Inc.

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems 44
33 05 Common Work Results For Utilities 44
33 05 07 Trenchless Installation of Utility Piping 45
33 05 61 Concrete Manholes 46
33 05 62 Brick Manholes 47
33 05 63 Concrete Vaults and Chambers 47
33 05 84 Accessories for Utility Structures 57
33 05 97 Identification and Signage for Utilities 60
33 10 Water Utilities 60
33 11 Groundwater Sources 60
33 14 Water Utility Transmission and Distribution 68
33 16 Water Utility Storage Tanks 154
33 19 Water Utility Metering Equipment 154
33 30 Sanitary Sewerage Utilities 155
33 31 Sanitary Sewerage Piping 155
33 32 Sanitary Sewerage Equipment 159
33 34 Onsite Wastewater Disposal 160
33 40 Stormwater Utilities 161
33 41 Subdrainage 161
33 42 Stormwater Conveyance 163
33 44 Storm Utility Water Drains 224
33 46 Stormwater Management 225
33 50 Hydrocarbon Utilities 227
33 52 Hydrocarbon Transmission and Distribution 227
33 53 Hydrocarbon Utility Pressure Regulation 229
33 56 Hydrocarbon Storage 229
33 59 Hydrocarbon Utility Metering 229
33 60 Hydronic And Steam Energy Utilities 230
33 61 Hydronic Energy Distribution 230
33 70 Electrical Utilities 250
33 71 Electrical Utility Transmission And Distribution 250

34 Transportation 1
34 40 Transportation Signaling and Control Equipment 1
34 41 Roadway Signaling and Control Equipment 1
34 70 Transportation Construction And Equipment 10
34 71 Roadway Construction 10

35 Waterway and Marine Construction 1
35 01 Operation And Maintenance Of Waterway and Marine Construction 1
35 01 70 Operation And Maintenance Of Dams 1
35 05 Common Work Results for Waterway and Marine Construction 1
35 05 70 Common Work Results for Dams 1
35 20 Waterway and Marine Construction and Equipment 1
35 22 Hydraulic Gates 1
35 24 Dredging 4

40 Process Interconnections 1
40 05 Common Work Results For Process Interconnections 1
40 05 19 Ductile Iron Process Pipe 1
40 05 23 Stainless Steel Process Pipe and Tubing 96
40 05 41 Glass Process Pipe 128

41 Material Processing And Handling Equipment 1
41 01 Operation And Maintenance Of Material Processing And Handling Equipment 1
41 01 20 Operation And Maintenance Of Piece Material Handling Equipment 1
41 20 Piece Material Handling Equipment 1
41 22 Cranes And Hoists 1

43 Process Gas and Liquid Handling, Purification, and Storage Equipment 1
43 20 Liquid Handling Equipment 1
43 23 Dry Location Liquid Pumps 1
43 24 Suspended Liquid Pumps 1
43 40 Gas and Liquid Storage 1

copyright © 2018 The Gordian Group, Inc.

43 42 Pressurized Tanks And Vessels 1

copyright © 2018 The Gordian Group, Inc.

THIS PAGE INTENTIONALLY LEFT BLANK

copyright © 2018 The Gordian Group, Inc.

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in July 2018.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

MasterFormat® is produced jointly by CSI and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For license information, contact CSI at csi@csinet.org. For more information on *MasterFormat* visit www.MasterFormat.com

The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

copyright © 2018 The Gordian Group, Inc.

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

PROJECT RELATED COSTS:

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

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor

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

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

copyright © 2018 The Gordian Group, Inc.

2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying

copyright © 2018 The Gordian Group, Inc.

required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

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

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

copyright © 2018 The Gordian Group, Inc.

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

copyright © 2018 The Gordian Group, Inc.

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

π = 3.14159

United Inch

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

TRADEMARKS

☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

copyright © 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

See CSI section 26 01 20 00-0000 for test.

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.		314.53	
		For Up To 20, Add		*64.55*	
		For >20 To 50, Add		*51.64*	
		For >50 To 100, Add		*25.82*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.		407.07	
		For Up To 20, Add		*87.69*	
		For >20 To 50, Add		*70.15*	
		For >50 To 100, Add		*35.07*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.		610.67	
		For Up To 20, Add		*138.59*	
		For >20 To 50, Add		*110.87*	
		For >50 To 100, Add		*55.43*	
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) Note: 2mm thick, aluminum frame, twist cover.		311.89	
		For Up To 20, Add		*63.89*	
		For >20 To 50, Add		*51.11*	
		For >50 To 100, Add		*25.56*	
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.		313.52	
		For Up To 20, Add		*64.30*	
		For >20 To 50, Add		*51.44*	
		For >50 To 100, Add		*25.72*	
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.		399.54	
		For Up To 20, Add		*85.80*	
		For >20 To 50, Add		*68.64*	
		For >50 To 100, Add		*34.32*	
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.		593.93	
		For Up To 20, Add		*134.40*	
		For >20 To 50, Add		*107.52*	
		For >50 To 100, Add		*53.76*	
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		247.90	
		For Up To 20, Add		*47.89*	
		For >20 To 50, Add		*38.31*	
		For >50 To 100, Add		*19.16*	
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		347.84	
		For Up To 20, Add		*72.88*	
		For >20 To 50, Add		*58.30*	
		For >50 To 100, Add		*29.15*	
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		493.60	
		For Up To 20, Add		*109.32*	
		For >20 To 50, Add		*87.45*	
		For >50 To 100, Add		*43.73*	
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		450.35	
		For Up To 20, Add		*98.51*	
		For >20 To 50, Add		*78.80*	
		For >50 To 100, Add		*39.40*	
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		617.57	
		For Up To 20, Add		*140.31*	
		For >20 To 50, Add		*112.25*	
		For >50 To 100, Add		*56.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,128.31	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*268.00*	
		For >20 To 50, Add	*214.40*	
		For >50 To 100, Add	*107.20*	
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	516.82	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*115.12*	
		For >20 To 50, Add	*92.10*	
		For >50 To 100, Add	*46.05*	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	758.94	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*175.65*	
		For >20 To 50, Add	*140.52*	
		For >50 To 100, Add	*70.26*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	22.91
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	22.91
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	4.33

26 01 20 91-0005 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	19.06
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	19.06

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	2,688.03

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0349 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	39.62
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	51.04
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	76.13
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	19.64
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	19.64
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	18.63
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	18.63
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	21.38
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	23.09
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	22.64
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	23.95
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	24.23
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	23.87
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	23.87
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	26.73
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	26.73

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	5.18
		For Multiple Lamps In Fixture, Deduct	*-1.51*
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	6.50
		For Multiple Lamps In Fixture, Deduct	*-1.51*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	7.95	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	9.77	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	7.31	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	11.59	
		For Multiple Lamps In Fixture, Deduct	*-1.82*	
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	14.14	
		For Multiple Lamps In Fixture, Deduct	*-1.82*	
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	13.13	
		For Multiple Lamps In Fixture, Deduct	*-1.82*	
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	22.79	
		For Multiple Lamps In Fixture, Deduct	*-1.82*	
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	47.13	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	54.23	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0031		**Exit Light Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	86.99	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	24.72	
		For Multiple Lamps In Fixture, Deduct	*-6.05*	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	32.31	
		For Multiple Lamps In Fixture, Deduct	*-3.02*	
26 01 50 51-0035		**Fluorescent Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	9.01	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	10.47	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	11.98	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0039	EA	4', 32 Watt, T8 Fluorescent Lamp	8.25	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0040	EA	4', 30 Watt, T8 Fluorescent Lamp	14.49	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0041	EA	4', 28 Watt, T8 Fluorescent Lamp	12.96	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0042	EA	4', 25 Watt, T8 Fluorescent Lamp	12.90	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0043	EA	4', 44 Watt, T8HO Fluorescent Lamp	19.48	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0044	EA	8', 59 Watt, T8 Fluorescent Lamp	15.35	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0045	EA	18", 15 Watt, T12 Fluorescent Lamp	12.67	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0046	EA	2', 20 Watt, T12 Fluorescent Lamp	10.05	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0047	EA	3', 30 Watt, T12 Fluorescent Lamp	11.29	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0048	EA	4', 34 Watt, T12 Fluorescent Lamp	11.34	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0049	EA	4', 40 Watt, T12 Fluorescent Lamp	11.15	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0050	EA	8', 60 Watt, T12 Fluorescent Lamp	15.68	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0051	EA	8', 75 Watt, T12 Fluorescent Lamp	13.57	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0052	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	8.25	
26 01 50 51-0053	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	12.81	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0054	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	10.86	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0055	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	10.56	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0056	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	11.49	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0057	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	18.25	
		For Multiple Lamps In Fixture, Deduct	*-3.02*	
26 01 50 51-0058	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	17.68	
		For Multiple Lamps In Fixture, Deduct	*-3.02*	
26 01 50 51-0059	EA	6", 4 Watt, T5 Fluorescent Lamp	9.80	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0060	EA	9", 6 Watt, T5 Fluorescent Lamp	9.67	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0061	EA	12", 8 Watt, T5 Fluorescent Lamp	9.92	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0062	EA	21", 13 Watt, T5 Fluorescent Lamp	10.29	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0063	EA	24", 14 Watt, T5 Fluorescent Lamp	11.58	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0064	EA	34", 21 Watt, T5 Fluorescent Lamp	12.66	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0065	EA	46", 28 Watt, T5 Fluorescent Lamp	12.33	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0066	EA	46", 54 Watt T5HO Fluorescent Lamp	13.30	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0067	EA	46", 54 Watt T5 Fluorescent Lamp	13.31	
26 01 50 51-0068	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	7.45	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0069	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	8.12	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0070	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	15.48	
		For Multiple Lamps In Fixture, Deduct	*-1.51*	
26 01 50 51-0071	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	20.51	
26 01 50 51-0072	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	20.51	
26 01 50 51-0073	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	36.36	
26 01 50 51-0074	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	13.92	
26 01 50 51-0075	EA	<9 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0076	EA	9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0077	EA	29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0078	EA	33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0079	EA	43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0080	EA	85 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0081	EA	105 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0082	EA	200 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.59	
26 01 50 51-0083	EA	11 Watt Compact Fluorescent Reflector Lamps, Screw-In	5.50	
26 01 50 51-0084	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In	5.50	
26 01 50 51-0085	EA	20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	5.50	

26 01 50 51-0086 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0087	EA	50 Watt, Pulse Start Metal Halide Lamp	31.51	
26 01 50 51-0088	EA	70 Watt, Pulse Start Metal Halide Lamp	30.32	
26 01 50 51-0089	EA	100 Watt, Pulse Start Metal Halide Lamp	34.09	
26 01 50 51-0090	EA	150 Watt, Pulse Start Metal Halide Lamp	33.23	
26 01 50 51-0091	EA	175 Watt, Pulse Start Metal Halide Lamp	32.99	
26 01 50 51-0092	EA	250 Watt, Pulse Start Metal Halide Lamp	33.16	
26 01 50 51-0093	EA	400 Watt, Pulse Start Metal Halide Lamp	39.15	
26 01 50 51-0094	EA	1,000 Watt, Pulse Start Metal Halide Lamp	44.91	
26 01 50 51-0095	EA	1,500 Watt, Pulse Start Metal Halide Lamp	44.67	

26 01 50 51-0096 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0097	EA	35 Watt, High Pressure Sodium Lamp	26.66	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0098	EA	50 Watt, High Pressure Sodium Lamp	26.66	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0099	EA	70 Watt, High Pressure Sodium Lamp	27.17	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0100	EA	100 Watt, High Pressure Sodium Lamp	28.15	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0101	EA	150 Watt, High Pressure Sodium Lamp	27.17	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0102	EA	250 Watt, High Pressure Sodium Lamp	27.17	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0103	EA	400 Watt, High Pressure Sodium Lamp	25.72	
		For Enclosed And Gasket Light Fixtures, Add	*2.33*	
26 01 50 51-0104	EA	1,000 Watt, High Pressure Sodium Lamp	55.34	

26 01 50 51-0105 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0106	EA	35 Watt, Low Pressure Sodium Lamp	61.95	
26 01 50 51-0107	EA	55 Watt, Low Pressure Sodium Lamp	68.69	
26 01 50 51-0108	EA	70 Watt, Low Pressure Sodium Lamp	70.21	
26 01 50 51-0109	EA	90 Watt, Low Pressure Sodium Lamp	71.73	
26 01 50 51-0110	EA	135 Watt, Low Pressure Sodium Lamp	77.80	
26 01 50 51-0111	EA	180 Watt, Low Pressure Sodium Lamp	105.13	

26 01 50 51-0112 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0112)*

26 01 50 51-0114	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	10.29	

26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0112)*

26 01 50 51-0116	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	13.14	
26 01 50 51-0117	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	13.14	
26 01 50 51-0118	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	20.82	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0119	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	15.08	
26 01 50 51-0120	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.61	
26 01 50 51-0121		**LED Lamps, Medium Base, BR30 Or BR40** *(26 01 50 51-0112)*		
26 01 50 51-0122	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	18.01	
26 01 50 51-0123	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	16.39	
26 01 50 51-0124	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	20.70	
26 01 50 51-0125	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.83	
26 01 50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	22.62	
26 01 50 51-0127	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.83	
26 01 50 51-0128		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0112)*		
26 01 50 51-0129	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	19.55	
26 01 50 51-0130	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0131	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0132	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.55	
26 01 50 51-0133	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.59	
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	23.59	
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	42.96	
26 01 50 51-0136	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0137	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.55	
26 01 50 51-0138	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0139	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0140		**LED Lamps, GU Base, MR16** *(26 01 50 51-0112)*		
26 01 50 51-0141	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	14.48	
26 01 50 51-0142	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	18.01	
26 01 50 51-0143	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	19.55	
26 01 50 51-0144		**LED Lamps, PL Series** *(26 01 50 51-0112)*		
26 01 50 51-0145	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.00	
26 01 50 51-0146	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	23.21	
26 01 50 51-0147	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	18.93	
26 01 50 51-0148	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	21.60	
26 01 50 51-0149	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	21.60	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	26.42	
26 01 50 51-0151	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	21.60	
26 01 50 51-0152	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	21.60	
26 01 50 51-0153	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	21.60	
26 01 50 51-0154	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	21.60	
26 01 50 51-0155	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	24.81	
26 01 50 51-0156	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	24.81	
26 01 50 51-0157	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	24.81	
26 01 50 51-0158	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	24.81	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	23.21	
26 01 50 51-0160	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	23.21	
26 01 50 51-0161	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	23.21	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	24.28	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	24.28	
26 01 50 51-0164	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	24.51	
26 01 50 51-0165	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	24.51	
26 01 50 51-0166	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	24.51	
26 01 50 51-0167	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	24.51	
26 01 50 51-0168	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	25.35	
26 01 50 51-0169	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	25.35	
26 01 50 51-0170	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	25.35	
26 01 50 51-0171	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	25.35	
26 01 50 51-0172	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	25.35	
26 01 50 51-0173	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	25.35	
26 01 50 51-0174	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	25.35	
26 01 50 51-0175	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	25.35	
26 01 50 51-0176	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	33.71	
26 01 50 51-0177	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	33.71	
26 01 50 51-0178	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	33.71	
26 01 50 51-0179	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.78	
26 01 50 51-0180	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.78	
26 01 50 51-0181	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.78	
26 01 50 51-0182		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0112)*		
26 01 50 51-0183	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	68.69	
26 01 50 51-0184	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	68.69	
26 01 50 51-0185	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	88.48	
26 01 50 51-0186	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	88.48	
26 01 50 51-0187	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	55.32	
26 01 50 51-0188	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	55.32	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0189	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	55.32	
26 01 50 51-0190	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	55.32	
26 01 50 51-0191	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	57.46	
26 01 50 51-0192	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	57.46	
26 01 50 51-0193	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	57.46	
26 01 50 51-0194	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	57.46	
26 01 50 51-0195	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	66.02	
26 01 50 51-0196	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	66.02	
26 01 50 51-0197	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	66.02	
26 01 50 51-0198	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	66.02	
26 01 50 51-0199	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	76.72	
26 01 50 51-0200	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	76.72	
26 01 50 51-0201	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	76.72	
26 01 50 51-0202	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	76.72	
26 01 50 51-0203	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	100.26	
26 01 50 51-0204	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	100.26	
26 01 50 51-0205	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	100.26	
26 01 50 51-0206	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	100.26	
26 01 50 51-0207	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	120.59	
26 01 50 51-0208	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	120.59	
26 01 50 51-0209	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	120.59	
26 01 50 51-0210	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	120.59	
26 01 50 51-0211	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	134.50	
26 01 50 51-0212	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	134.50	
26 01 50 51-0213	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	134.50	
26 01 50 51-0214	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	134.50	
26 01 50 51-0215	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	184.79	
26 01 50 51-0216	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	184.79	
26 01 50 51-0217	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	184.79	
26 01 50 51-0218	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	184.79	
26 01 50 51-0219	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	191.21	
26 01 50 51-0220	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	191.21	
26 01 50 51-0221	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	191.21	
26 01 50 51-0222	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	191.21	
26 01 50 51-0223	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	228.66	
26 01 50 51-0224	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	228.66	
26 01 50 51-0225	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	228.66	
26 01 50 51-0226	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	228.66	
26 01 50 51-0227	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	273.60	
26 01 50 51-0228	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	273.60	
26 01 50 51-0229	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	273.60	
26 01 50 51-0230	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	273.60	
26 01 50 51-0231	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	86.31	
26 01 50 51-0232	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	93.80	
26 01 50 51-0233	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	93.80	
26 01 50 51-0234	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	86.31	
26 01 50 51-0235	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	109.85	
26 01 50 51-0236	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	100.22	
26 01 50 51-0237	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	121.62	
26 01 50 51-0238	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	120.35	
26 01 50 51-0239	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	123.22	
26 01 50 51-0240	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	123.22	
26 01 50 51-0241	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	72.43	
26 01 50 51-0242	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	72.43	
26 01 50 51-0243	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	82.33	
26 01 50 51-0244	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	82.33	
26 01 50 51-0245	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	88.91	
26 01 50 51-0246	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	88.91	
26 01 50 51-0247	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	98.79	
26 01 50 51-0248	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	98.79	
26 01 50 51-0249	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	99.31	
26 01 50 51-0250	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	108.08	
26 01 50 51-0251	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	135.79	
26 01 50 51-0252	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	150.13	
26 01 50 51-0253	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	55.65	
26 01 50 51-0254	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	63.35	
26 01 50 51-0255	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	67.21	
26 01 50 51-0256	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	74.38	
26 01 50 51-0257	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	90.55	
26 01 50 51-0258	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	107.02	
26 01 50 51-0259	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	148.17	
26 01 50 51-0260	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	156.40	
26 01 50 51-0261	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	169.57	
26 01 50 51-0262	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	177.80	
26 01 50 51-0263	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	258.47	

26 01 50 51-0264 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0112)*

26 01 50 51-0265	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	245.06	
26 01 50 51-0266	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	245.06	
26 01 50 51-0267	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	245.06	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0268	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	68.69	
26 01 50 51-0269	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	68.69	
26 01 50 51-0270	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	68.69	
26 01 50 51-0271	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	88.48	
26 01 50 51-0272	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	88.48	
26 01 50 51-0273	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	88.48	
26 01 50 51-0274	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	168.73	
26 01 50 51-0275	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	184.79	
26 01 50 51-0276	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	184.79	
26 01 50 51-0277	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	184.79	
26 01 50 51-0278	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	184.79	
26 01 50 51-0279	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	191.21	
26 01 50 51-0280	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	191.21	
26 01 50 51-0281	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	191.21	
26 01 50 51-0282	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	191.21	
26 01 50 51-0283	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	228.66	
26 01 50 51-0284	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	228.66	
26 01 50 51-0285	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	228.66	
26 01 50 51-0286	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	228.66	
26 01 50 51-0287	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	273.60	
26 01 50 51-0288	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	273.60	
26 01 50 51-0289	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	273.60	
26 01 50 51-0290	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	273.60	
26 01 50 51-0291	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	93.80	
26 01 50 51-0292	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	93.80	
26 01 50 51-0293	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	109.85	
26 01 50 51-0294	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	108.37	
26 01 50 51-0295	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	121.62	
26 01 50 51-0296	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	120.35	
26 01 50 51-0297	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	123.22	
26 01 50 51-0298	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	119.50	
26 01 50 51-0299	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	265.00	
26 01 50 51-0300	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	93.76	
26 01 50 51-0301	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	93.76	
26 01 50 51-0302	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	107.08	
26 01 50 51-0303	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	107.08	
26 01 50 51-0304	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	115.08	
26 01 50 51-0305	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	115.08	
26 01 50 51-0306	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	72.30	
26 01 50 51-0307	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	72.30	
26 01 50 51-0308	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	82.33	
26 01 50 51-0309	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	82.33	
26 01 50 51-0310	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	88.91	
26 01 50 51-0311	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	88.91	
26 01 50 51-0312	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	98.79	
26 01 50 51-0313	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	98.79	
26 01 50 51-0314	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	182.13	
26 01 50 51-0315	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	211.44	
26 01 50 51-0316	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	253.17	
26 01 50 51-0317	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	498.91	
26 01 50 51-0318	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	470.84	
26 01 50 51-0319	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	498.91	
26 01 50 51-0320	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	501.09	
26 01 50 51-0321	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	71.81	
26 01 50 51-0322	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	71.81	
26 01 50 51-0323	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	71.81	
26 01 50 51-0324	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	217.85	

26 01 50 51-0325 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0112)*

26 01 50 51-0326	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	25.09	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0327	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	32.08	
		For Multiple Lamps In Fixture, Deduct	*-2.42*	
26 01 50 51-0328	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	27.47	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0329	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	29.51	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	
26 01 50 51-0330	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	32.13	
		For Multiple Lamps In Fixture, Deduct	*-2.72*	

26 01 50 51-0331 Filament LED Lamps *(26 01 50 51-0112)*

26 01 50 51-0332	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.47	
26 01 50 51-0333	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.47	
26 01 50 51-0334	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.40	
26 01 50 51-0335	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.40	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0336	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	21.11	
26 01 50 51-0337	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	21.11	
26 01 50 51-0338	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.26	
26 01 50 51-0339	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.26	
26 01 50 51-0340	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	17.90	
26 01 50 51-0341	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.61	
26 01 50 51-0342		Other Lamps *(26 01 50 51-0112)*		
26 01 50 51-0343	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.23	
26 01 50 51-0344	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.23	
26 01 50 51-0345	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.23	
26 01 50 51-0346	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.30	
26 01 50 51-0347	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.30	
26 01 50 51-0348	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.30	
26 01 50 51-0349		Recycle Hazardous Lamps *(26 01 50 51)* Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.		
26 01 50 51-0350	EA	Recycle 2' Length Linear Fluorescent Lamps	0.26	
26 01 50 51-0351	EA	Recycle 3' Length Linear Fluorescent Lamps	0.39	
26 01 50 51-0352	EA	Recycle 4' Length Linear Fluorescent Lamps	0.51	
26 01 50 51-0353	EA	Recycle 6' Length Linear Fluorescent Lamps	0.77	
26 01 50 51-0354	EA	Recycle 8' Length Linear Fluorescent Lamps	1.03	
26 01 50 51-0355	EA	Recycle Compact Fluorescent Lamps	0.46	
26 01 50 51-0356	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.46	
26 01 50 51-0357	EA	Recycle High Intensity Discharge (HID) Lamps	1.61	
26 01 50 52		**Ballasts And Accessories** *(26 01 50)*		
26 01 50 52-0001		Owner Supplied Ballasts *(26 01 50 52)*		
26 01 50 52-0002	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	18.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 01 50 52-0003	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	22.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.87*	
26 01 50 52-0004	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	26.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.97*	
26 01 50 52-0005	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	28.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.52*	
26 01 50 52-0006	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	32.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0007	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	33.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 01 50 52-0008		High Intensity Discharge (HID) Ballasts *(26 01 50 52)*		
26 01 50 52-0009		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0008)*		
26 01 50 52-0010		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*		
26 01 50 52-0011		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0010)*		
26 01 50 52-0012	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	116.12	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0013	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	118.84	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0014	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	118.84	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0015	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	106.63	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0016	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	106.63	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0017	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.96	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0018	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.96	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0019	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	208.64	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0020	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	231.94	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0021		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0010)*		
26 01 50 52-0022	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	105.38	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0023	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	111.46	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0024	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	108.83	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0025	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	127.10	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0026	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	124.49	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0027	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	141.44	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0028	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	141.44	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0029	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	169.63	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0030	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	169.63	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0031	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.56	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0032	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.56	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0033 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0010)*

26 01 50 52-0034	EA	Single Mounting Bracket For Core And Coil Type	9.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 52-0035	EA	Double Mounting Bracket For Core And Coil Type	13.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.13*	

26 01 50 52-0036 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*

26 01 50 52-0037 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0036)*

26 01 50 52-0038	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	146.06	22.91
		For Pulse Start Ballast, Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0039	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	153.60	22.91
		For Pulse Start Ballast, Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0040	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	140.35	22.91
		For Pulse Start Ballast, Add	*10.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0041	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	162.12	22.91
		For Pulse Start Ballast, Add	*13.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0042	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	223.13	22.91
		For Pulse Start Ballast, Add	*19.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0043 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0036)*

26 01 50 52-0044	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	174.63	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0045	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	186.38	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0046 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*

26 01 50 52-0047 Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0046)*

26 01 50 52-0048	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	287.30	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0049 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0046)*

26 01 50 52-0050	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	439.95	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0051	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	490.06	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0052	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	472.72	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*

26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0053)*

26 01 50 52-0055	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	352.57	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0056	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	399.48	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0057	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	526.01	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0058	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	523.28	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0059	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	731.43	24.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0060	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	731.43	24.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 01 50 52-0061	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	504.67	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0062	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	592.85	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0063		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0053)*		
26 01 50 52-0064	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	653.48	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0065	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	622.41	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0066	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	798.61	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0067	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	798.61	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0068		Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*		
26 01 50 52-0069		Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0068)*		
26 01 50 52-0070	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	395.56	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0071	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	426.87	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0072	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	423.79	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0073	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	444.77	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0074	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	704.07	24.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 01 50 52-0075	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	864.27	24.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 01 50 52-0076	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	657.13	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0077	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	598.72	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0078		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0068)*		
26 01 50 52-0079	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	509.18	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0080	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	548.68	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0081	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	816.84	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0082	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	703.54	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0083		Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0008)*		
26 01 50 52-0084		Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0083)*		
26 01 50 52-0085	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	161.08	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0086	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	161.08	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0087	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	180.87	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0088	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	458.27	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0089	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	458.27	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0090	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	458.27	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0091	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	458.27	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0092	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	458.27	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0093		Retrofit Lighting Fixtures *(26 01 50 52)*		
26 01 50 52-0094		Retrofit Existing Fixtures *(26 01 50 52-0093)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0095		LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 52-0094)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0096	EA	15 Watt, 7" Round Downlight, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	98.97	
26 01 50 52-0097	EA	15 Watt, 7" Round Downlight, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	98.97	
26 01 50 52-0098	EA	15 Watt, 7" Round Downlight, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	98.97	
26 01 50 52-0099	EA	8.5 Watt, 4" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	78.64	
26 01 50 52-0100	EA	8.5 Watt, 4" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	78.64	
26 01 50 52-0101	EA	8.5 Watt, 4" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	78.64	
26 01 50 52-0102	EA	11.6 Watt, 6" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	87.20	
26 01 50 52-0103	EA	11.6 Watt, 6" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	87.20	
26 01 50 52-0104	EA	11.6 Watt, 6" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	87.20	
26 01 50 52-0105		LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 52-0094)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0106	EA	23 Watt, 2,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	308.10	
26 01 50 52-0107	EA	33 Watt, 3,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	320.94	
26 01 50 52-0108	EA	44 Watt, 4,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	333.78	
26 01 50 52-0109	EA	54 Watt, 5,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	348.45	
26 01 50 52-0110	EA	65 Watt, 6,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	385.90	
26 01 50 52-0111	EA	75 Watt, 7,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	400.57	
26 01 50 52-0112	EA	86 Watt, 8,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	435.88	
26 01 50 52-0113	EA	96 Watt, 9,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	448.72	
26 01 50 52-0114	EA	107 Watt, 10,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	463.40	
26 01 50 52-0115	EA	117 Watt, 11,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	486.94	
26 01 50 52-0116	EA	128 Watt, 12,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	511.23	
26 01 50 52-0117	EA	138 Watt, 13,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	535.84	
26 01 50 52-0118	EA	149 Watt, 14,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	548.68	
26 01 50 52-0119	EA	161 Watt, 16,100 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	570.08	
26 01 50 52-0120	EA	172 Watt, 17,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	594.23	
26 01 50 52-0121	EA	182 Watt, 18,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	620.98	
26 01 50 52-0122	EA	193 Watt, 19,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	661.64	
26 01 50 52-0123	EA	203 Watt, 20,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	679.83	
26 01 50 52-0124	EA	214 Watt, 21,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	710.56	
26 01 50 52-0125	EA	224 Watt, 22,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	752.29	
26 01 50 52-0126	EA	235 Watt, 23,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	773.69	
26 01 50 52-0127	EA	245 Watt, 24,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	823.52	
26 01 50 52-0128	EA	256 Watt, 25,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	870.60	
26 01 50 52-0129	EA	266 Watt, 26,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	902.40	
26 01 50 52-0130	EA	277 Watt, 27,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	948.41	
26 01 50 52-0131	EA	287 Watt, 28,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	1,036.90	
26 01 50 52-0132	EA	298 Watt, 29,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,047.60	
26 01 50 52-0133	EA	319 Watt, 31,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,073.89	
26 01 50 52-0134		LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 52-0094)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0135	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	125.00	
26 01 50 52-0136	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	125.00	
26 01 50 52-0137	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	125.00	
26 01 50 52-0138	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0139	EA	30 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0140	EA	30 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0141	EA	40 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	141.05	
26 01 50 52-0142	EA	40 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	141.05	
26 01 50 52-0143	EA	40 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	141.05	
26 01 50 52-0144	EA	30 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0145	EA	30 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0146	EA	30 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	130.35	
26 01 50 52-0147	EA	40 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	141.05	
26 01 50 52-0148	EA	40 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	141.05	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0149	EA	40 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	141.05	
26 01 50 52-0150	EA	50 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	162.45	
26 01 50 52-0151	EA	50 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	162.45	
26 01 50 52-0152	EA	50 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	162.45	
26 01 50 52-0153	EA	10 Watt, 1 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	125.00	
26 01 50 52-0154	EA	10 Watt, 1 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	125.00	
26 01 50 52-0155	EA	10 Watt, 1 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	125.00	
26 01 50 52-0156	EA	22 Watt, 2 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	125.00	
26 01 50 52-0157	EA	22 Watt, 2 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	125.00	
26 01 50 52-0158	EA	22 Watt, 2 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	125.00	
26 01 50 52-0159	EA	20 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	130.35	
26 01 50 52-0160	EA	20 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	130.35	
26 01 50 52-0161	EA	20 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	130.35	
26 01 50 52-0162	EA	30 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	136.77	
26 01 50 52-0163	EA	30 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	136.77	
26 01 50 52-0164	EA	30 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	136.77	
26 01 50 52-0165		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 52-0094)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0166	EA	34 Watt, 3,500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	303.97	
26 01 50 52-0167	EA	34 Watt, 4,000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	303.97	
26 01 50 52-0168	EA	26 Watt, 3,500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	272.94	
26 01 50 52-0169	EA	26 Watt, 4,000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	272.94	
26 01 50 52-0170	EA	25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	128.98	
26 01 50 52-0171	EA	25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	128.98	
26 01 50 52-0172	EA	31 Watt, 4050lm, 3500K Layin Retrofit 2' x 4'Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	149.31	
26 01 50 52-0173	EA	31 Watt, 4050lm, 4000K Layin Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	149.31	
26 01 50 52-0174	EA	25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	164.29	
26 01 50 52-0175	EA	25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	164.29	
26 01 50 52-0176	EA	31 Watt, 3250lm, 3500K Layin Retrofit 2' x 4'Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	169.64	
26 01 50 52-0177	EA	31 Watt, 3250lm, 4000K Layin Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	169.64	
26 01 50 52-0178	EA	2' x 2' 2-Board, 25 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	97.95	
26 01 50 52-0179	EA	2' x 2' 2-Board, 25 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	97.95	
26 01 50 52-0180	EA	2' x 4' 4-Board, 31 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	110.79	
26 01 50 52-0181	EA	2' x 4' 4-Board, 31 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	110.79	
26 01 50 52-0182	EA	2' x 2' 2-Board, 25 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	101.16	
26 01 50 52-0183	EA	2' x 2' 2-Board, 25 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	101.16	
26 01 50 52-0184	EA	2' x 4' 4-Board, 31 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	114.00	
26 01 50 52-0185	EA	2' x 4' 4-Board, 31 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	114.00	
26 01 50 52-0186	EA	6" 16 Watt, 1450lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	100.09	
26 01 50 52-0187	EA	6" 16 Watt, 1450lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	100.09	
26 01 50 52-0188	EA	8" 22 Watt, 2000lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	109.72	
26 01 50 52-0189	EA	8" 22 Watt, 2000lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	109.72	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0190		**LED Lighting Retrofit Accessories (LG)** *(26 01 50 52-0094)* See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0191	EA	Dongle (LG LGE-DONGLE)	14.88	
26 01 50 52-0192	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	80.83	10.45
26 01 50 52-0193	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	85.02	12.55
26 01 50 52-0194	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	102.23	10.45
26 01 50 52-0195	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	106.42	12.55
26 01 50 52-0196	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	54.18	8.37
26 01 50 52-0197	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	21.14	8.37
26 01 50 52-0198	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	22.39	8.37
26 01 50 52-0199	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	53.46	12.55
26 01 50 52-0200		**Retrofit Existing (T12) Fluorescent Fixtures** *(26 01 50 52-0093)* Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0349 for hazardous lamp recycling.		
26 01 50 52-0201		**Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector** *(26 01 50 52-0200)* Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0202	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	65.23	
		For Specular Ballast Cover, Add	*6.63*	
26 01 50 52-0203	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	69.58	
		For Specular Ballast Cover, Add	*7.50*	
26 01 50 52-0204	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	92.29	
		For Specular Ballast Cover, Add	*12.04*	
26 01 50 52-0205	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	105.15	
		For Specular Ballast Cover, Add	*14.62*	
26 01 50 52-0206		**Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector** *(26 01 50 52-0200)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0207	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	68.57	
		For Specular Reflector, Add	*7.30*	
26 01 50 52-0208	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	73.32	
		For Specular Reflector, Add	*8.25*	
26 01 50 52-0209	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	96.96	
		For Specular Reflector, Add	*12.98*	
26 01 50 52-0210	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	119.96	
		For Specular Reflector, Add	*17.58*	
26 01 50 52-0211		**Retrofit Existing (T12) Troffer Style Fluorescent Fixtures** *(26 01 50 52-0200)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0212	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	86.43	
		For Specular Reflector, Add	*9.04*	
26 01 50 52-0213	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	90.77	
		For Specular Reflector, Add	*9.91*	
26 01 50 52-0214	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	91.03	
		For Specular Reflector, Add	*9.96*	
26 01 50 52-0215	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	100.18	
		For Specular Reflector, Add	*11.79*	
26 01 50 52-0216	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	117.62	
		For Specular Reflector, Add	*15.28*	
26 01 50 52-0217	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	94.78	
		For Specular Reflector, Add	*10.71*	
26 01 50 52-0218	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	103.13	
		For Specular Reflector, Add	*12.38*	
26 01 50 52-0219	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	110.31	
		For Specular Reflector, Add	*13.81*	
26 01 50 52-0220		**Retrofit Existing Recessed Lay-In/Troffer Fixtures** *(26 01 50 52-0093)*		
26 01 50 52-0221		**Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)** *(26 01 50 52-0220)* Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0222	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0223	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0224	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0225	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	180.92	
26 01 50 52-0226	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0227	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	
26 01 50 52-0228	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	
26 01 50 52-0229	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	180.92	
26 01 50 52-0230	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0231	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0232	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	163.92	
26 01 50 52-0233	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	180.92	
26 01 50 52-0234	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	
26 01 50 52-0235	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	
26 01 50 52-0236	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	163.92	
26 01 50 52-0237	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	180.92	

26 01 50 52-0238 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 52-0220)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.

26 01 50 52-0239	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	249.46	
26 01 50 52-0240	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	261.03	

26 01 50 52-0241 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 52-0220)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.

26 01 50 52-0242	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	204.29	
26 01 50 52-0243	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	208.95	
26 01 50 52-0244	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	204.29	
26 01 50 52-0245	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	208.95	
26 01 50 52-0246	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	232.24	
26 01 50 52-0247	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	239.23	
26 01 50 52-0248	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	255.54	

26 01 50 52-0249 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 52-0220)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.

26 01 50 52-0250	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	190.04	
26 01 50 52-0251	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	196.54	
26 01 50 52-0252	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	198.48	
26 01 50 52-0253	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	204.98	
26 01 50 52-0254	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	146.18	
26 01 50 52-0255	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	149.26	
26 01 50 52-0256	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	154.20	
26 01 50 52-0257	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	157.29	
26 01 50 52-0258	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	191.85	
26 01 50 52-0259	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	226.42	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0260		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 52-0220)* Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0261	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	161.03	
26 01 50 52-0262	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	124.90	
26 01 50 52-0263	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	162.78	
26 01 50 52-0264	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	126.36	
26 01 50 52-0265	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	168.03	
26 01 50 52-0266	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	134.07	
26 01 50 52-0267	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	190.47	
26 01 50 52-0268	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	154.15	
26 01 50 52-0269	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	192.31	
26 01 50 52-0270	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	155.68	
26 01 50 52-0271	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	197.82	
26 01 50 52-0272	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	163.61	
26 01 50 52-0273		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 52-0220)* Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 01 50 52-0274	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	367.79	
26 01 50 52-0275	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	407.47	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement	104.11	
26 01 50 53-0002	EA	Visor For Fixtures	191.06	
26 01 50 53-0003	EA	Replace Globe On Pole	248.81	
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures	88.83	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	28.05	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	29.62	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	36.40	
26 01 50 53-0008	EA	Replace Slide-On Lampholder	11.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder	11.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder	13.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in	13.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 01 50 53-0014	EA	Replace Exterior Light Globes	44.42	

26 05 Common Work Results For Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 00-0001		Wire And Cable *(26 05 13)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 00-0002		5 KV Cable *(26 05 13 00-0001)*		
26 05 13 00-0003		Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*		
26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,711.43	712.43
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,202.59	777.91
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,817.00	878.92
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,947.09	1,082.86

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,633.14	1,219.40
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,898.94	1,353.50
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,765.17	1,520.80
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,206.09	1,691.94
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,736.71	2,020.14
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	13,518.17	2,374.63
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	18,145.64	2,030.29
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	26,614.85	3,222.69

26 05 13 00-0016 Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

Note: Excludes excavation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,622.39	
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,949.78	
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,311.64	
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,099.27	
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,443.89	
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,541.36	
26 05 13 00-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,989.36	
26 05 13 00-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,173.60	
26 05 13 00-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,972.59	
26 05 13 00-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,947.94	

26 05 13 00-0027 Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

Note: Installed on poles.

26 05 13 00-0028	MLF	#6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,109.93	448.12
26 05 13 00-0029	MLF	#4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,522.70	480.49
26 05 13 00-0030	MLF	#2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,218.98	607.61
26 05 13 00-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,181.53	737.62
26 05 13 00-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,863.82	865.90
26 05 13 00-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,121.68	990.25
26 05 13 00-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,987.39	1,148.98
26 05 13 00-0035	MLF	250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,781.03	1,445.48
26 05 13 00-0036	MLF	350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	10,500.37	1,828.98
26 05 13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	13,630.17	2,297.94

26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0002)*

26 05 13 00-0039	MLF	1/0 5 KV Non-Shielded, Single Copper Conductor	5,875.05	1,419.78
26 05 13 00-0040	MLF	3/0 5 KV Non-Shielded, Single Copper Conductor	7,605.09	1,460.60
26 05 13 00-0041	MLF	4/0 5 KV Non-Shielded, Single Copper Conductor	7,918.20	1,492.87
26 05 13 00-0042	MLF	350 MCM 5 KV Non-Shielded, Single Copper Conductor	9,439.64	1,549.83
26 05 13 00-0043	MLF	500 MCM 5 KV Non-Shielded, Single Copper Conductor	13,362.90	1,624.24
26 05 13 00-0044	MLF	750 MCM 5 KV Non-Shielded, Single Copper Conductor	20,579.59	2,030.29
26 05 13 00-0045	MLF	1,000 MCM 5 KV Non-Shielded, Single Copper Conductor	23,821.89	2,707.10

26 05 13 00-0046 Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

26 05 13 00-0047	MLF	#6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,878.92	712.43
26 05 13 00-0048	MLF	#4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,429.01	777.91
26 05 13 00-0049	MLF	#2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,108.55	878.92
26 05 13 00-0050	MLF	#1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,729.29	980.84
26 05 13 00-0051	MLF	#1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,350.29	1,082.86
26 05 13 00-0052	MLF	#2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,098.37	1,219.40
26 05 13 00-0053	MLF	#3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,531.66	1,353.50
26 05 13 00-0054	MLF	#4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,478.54	1,520.80
26 05 13 00-0055	MLF	250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,101.82	1,691.94
26 05 13 00-0056	MLF	350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,760.23	2,020.14
26 05 13 00-0057	MLF	500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	14,882.86	2,374.63
26 05 13 00-0058	MLF	750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	20,498.22	2,030.29
26 05 13 00-0059	MLF	1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	29,955.30	3,222.69

26 05 13 00-0060 Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

Note: Excludes excavation.

26 05 13 00-0061	MLF	#6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,789.88	
26 05 13 00-0062	MLF	#4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,176.20	
26 05 13 00-0063	MLF	#2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,603.19	
26 05 13 00-0064	MLF	#1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,053.22	
26 05 13 00-0065	MLF	#1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,502.47	
26 05 13 00-0066	MLF	#2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,909.13	
26 05 13 00-0067	MLF	#3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,174.08	
26 05 13 00-0068	MLF	#4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,702.73	
26 05 13 00-0069	MLF	250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,069.34	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0070	MLF	350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,996.11	
26 05 13 00-0071	MLF	500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	11,312.63	
26 05 13 00-0072		Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*		
		Note: Installed on poles.		
26 05 13 00-0073	MLF	#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,277.42	448.12
26 05 13 00-0074	MLF	#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,749.12	480.49
26 05 13 00-0075	MLF	#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,510.53	607.61
26 05 13 00-0076	MLF	#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,046.44	672.14
26 05 13 00-0077	MLF	#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,584.73	737.62
26 05 13 00-0078	MLF	#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,329.05	865.90
26 05 13 00-0079	MLF	#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,754.40	990.25
26 05 13 00-0080	MLF	#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,700.76	1,148.98
26 05 13 00-0081	MLF	250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,676.77	1,445.48
26 05 13 00-0082	MLF	350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,523.89	1,828.98
26 05 13 00-0083	MLF	500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	14,994.86	2,297.94
26 05 13 00-0084		15 KV Cable *(26 05 13 00-0001)*		
26 05 13 00-0085		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0084)*		
26 05 13 00-0086		Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
26 05 13 00-0087	MLF	#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,380.35	1,419.78
26 05 13 00-0088	MLF	#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,752.81	1,419.78
26 05 13 00-0089	MLF	#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,894.87	1,419.78
26 05 13 00-0090	MLF	#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,357.68	1,419.78
26 05 13 00-0091	MLF	#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,796.95	1,419.78
26 05 13 00-0092	MLF	#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,689.76	1,482.01
26 05 13 00-0093	MLF	#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,862.33	1,482.01
26 05 13 00-0094	MLF	250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,973.32	1,549.83
26 05 13 00-0095	MLF	350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,076.03	1,586.17
26 05 13 00-0096	MLF	500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,326.51	1,786.66
26 05 13 00-0097		Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
		Note: Excludes excavation.		
26 05 13 00-0098	MLF	#1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,367.62	
26 05 13 00-0099	MLF	#1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,830.42	
26 05 13 00-0100	MLF	#2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,269.69	
26 05 13 00-0101	MLF	#3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,182.13	
26 05 13 00-0102	MLF	#4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,354.69	
26 05 13 00-0103	MLF	250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,549.93	
26 05 13 00-0104	MLF	350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,654.83	
26 05 13 00-0105	MLF	500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation	10,702.28	
26 05 13 00-0106		Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
		Note: Installed on poles.		
26 05 13 00-0107	MLF	#1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,030.36	640.17
26 05 13 00-0108	MLF	#1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,749.71	737.62
26 05 13 00-0109	MLF	#2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,526.65	865.90
26 05 13 00-0110	MLF	#3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,591.40	990.25
26 05 13 00-0111	MLF	#4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,181.67	1,148.98
26 05 13 00-0112	MLF	250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,619.50	1,337.55
26 05 13 00-0113	MLF	350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,213.09	1,558.59
26 05 13 00-0114	MLF	500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,625.38	1,810.45
26 05 13 00-0115		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0084)*		
26 05 13 00-0116		Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
26 05 13 00-0117	MLF	#4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,709.91	1,419.78
26 05 13 00-0118	MLF	#2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,149.41	1,419.78
26 05 13 00-0119	MLF	#1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,317.05	1,419.78
26 05 13 00-0120	MLF	#1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,863.16	1,419.78
26 05 13 00-0121	MLF	#2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,381.50	1,419.78
26 05 13 00-0122	MLF	#3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,407.03	1,482.01
26 05 13 00-0123	MLF	#4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,610.66	1,482.01
26 05 13 00-0124	MLF	250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,891.08	1,549.83
26 05 13 00-0125	MLF	350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,175.94	1,586.17
26 05 13 00-0126	MLF	500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,741.28	1,786.66

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0127		Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*			
		Note: Excludes excavation.			
26 05 13 00-0128	MLF	#1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		4,789.79	
26 05 13 00-0129	MLF	#1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		5,335.90	
26 05 13 00-0130	MLF	#2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		5,854.24	
26 05 13 00-0131	MLF	#3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		6,899.40	
26 05 13 00-0132	MLF	#4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		7,103.02	
26 05 13 00-0133	MLF	250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		8,465.03	
26 05 13 00-0134	MLF	350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		9,748.39	
26 05 13 00-0135	MLF	500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		12,117.05	
26 05 13 00-0136		Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*			
		Note: Installed on poles.			
26 05 13 00-0137	MLF	#1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		4,452.53	640.17
26 05 13 00-0138	MLF	#1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		5,255.19	737.62
26 05 13 00-0139	MLF	#2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		6,111.20	865.90
26 05 13 00-0140	MLF	#3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		7,308.67	990.25
26 05 13 00-0141	MLF	#4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		7,930.00	1,148.98
26 05 13 00-0142	MLF	250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		9,537.27	1,337.55
26 05 13 00-0143	MLF	350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		11,313.00	1,558.59
26 05 13 00-0144	MLF	500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable		14,040.15	1,810.45
26 05 13 00-0145		15 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0084)*			
26 05 13 00-0146	MLF	1/0 15 KV Non-Shielded, Single Copper Conductor		7,373.20	1,424.76
26 05 13 00-0147	MLF	3/0 15 KV Non-Shielded, Single Copper Conductor		9,378.49	1,492.87
26 05 13 00-0148	MLF	350 MCM 15 KV Non-Shielded, Single Copper Conductor		12,629.75	1,592.36
26 05 13 00-0149		Shielded, Armored Copper, 15 KV, 3 Conductor Cable *(26 05 13 00-0084)*			
		Note: Laid in cable tray or hung in vertical cable shaft.			
26 05 13 00-0150		Galvanized Steel Interlocked Armor Cable *(26 05 13 00-0149)*			
26 05 13 00-0151	LF	#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically		37.33	10.86
26 05 13 00-0152	LF	#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically		43.85	11.58
26 05 13 00-0153		Aluminum Interlocked Armor Cable *(26 05 13 00-0149)*			
26 05 13 00-0154	LF	#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically		37.33	10.86
26 05 13 00-0155	LF	#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically		43.85	11.58
26 05 13 00-0156		Type URD, 15 KV Primary Concentric UD Cable *(26 05 13 00-0084)*			
		Note: 0.175" XLPE insulation, copper conductor.			
26 05 13 00-0157	MLF	#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		2,668.98	712.43
26 05 13 00-0158	MLF	#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		3,145.20	777.91
26 05 13 00-0159	MLF	#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		3,743.10	878.92
26 05 13 00-0160	MLF	#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		4,837.68	1,079.91
26 05 13 00-0161	MLF	#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		5,506.09	1,215.74
26 05 13 00-0162	MLF	#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		6,738.56	1,353.50
26 05 13 00-0163	MLF	#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor		7,570.17	1,515.11
26 05 13 00-0164		15 KV URD Cable Copper Direct Burial *(26 05 13 00-0084)*			
26 05 13 00-0165	MLF	15 KV 3/C URD Cable Copper Direct Burial #6		11,523.07	
26 05 13 00-0166		35 KV And 70 KV Cable *(26 05 13 00-0001)*			
26 05 13 00-0167		35 KV, Shielded, Single Copper Conductor *(26 05 13 00-0166)*			
26 05 13 00-0168	MLF	3/0 35 KV Shielded, Single Copper Conductor		13,063.69	2,358.34
26 05 13 00-0169		70 KV, Shielded, Single Copper Conductor *(26 05 13 00-0166)*			
26 05 13 00-0170	MLF	350 MCM 70 KV Shielded, Single Copper Conductor		39,886.20	2,688.54
26 05 13 00-0171		Wire Connections *(26 05 13 00-0001)*			
26 05 13 00-0172		Medium Voltage Up To 5 KV *(26 05 13 00-0171)*			
26 05 13 00-0173		Shielded One Conductor Cable Splice *(26 05 13 00-0172)*			
26 05 13 00-0174	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV		238.82	91.50
26 05 13 00-0175	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV		289.60	91.50
26 05 13 00-0176	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV		289.60	91.50

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0177	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	316.83	109.79
26 05 13 00-0178	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	316.83	109.79
26 05 13 00-0179	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	316.83	109.79
26 05 13 00-0180	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	353.14	128.10
26 05 13 00-0181	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	353.14	128.10
26 05 13 00-0182	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	353.14	128.10
26 05 13 00-0183		**Cable Termination Without Stress Cone** *(26 05 13 00-0172)*		
26 05 13 00-0184	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	222.14	109.79
26 05 13 00-0185	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	262.82	128.10
26 05 13 00-0186		**Cable Termination With Stress Cone** *(26 05 13 00-0172)*		
26 05 13 00-0187	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	872.03	219.60
26 05 13 00-0188	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,203.84	301.94
26 05 13 00-0189		**Connect To Pothead, Pothead Included** *(26 05 13 00-0172)*		
26 05 13 00-0190	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	902.69	219.60
26 05 13 00-0191	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,132.85	251.62
26 05 13 00-0192		**Two Conductor Pothead** *(26 05 13 00-0172)*		
		Note: Includes 5 KV pothead.		
26 05 13 00-0193	EA	#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	794.71	301.94
26 05 13 00-0194	EA	250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,039.58	384.29
26 05 13 00-0195	EA	400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,452.53	435.70
26 05 13 00-0196	EA	750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,178.90	508.35
26 05 13 00-0197	EA	1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,849.47	762.45
26 05 13 00-0198		**Three Conductor Pothead** *(26 05 13 00-0172)*		
		Note: Includes 5 KV pothead.		
26 05 13 00-0199	EA	#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,489.89	439.18
26 05 13 00-0200	EA	250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,755.00	512.38
26 05 13 00-0201		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 00-0172)*		
		Note: For bare wire.		
26 05 13 00-0202	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	57.93	
26 05 13 00-0203	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	63.66	
26 05 13 00-0204	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	74.24	
26 05 13 00-0205	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	84.39	
26 05 13 00-0206	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	95.15	
26 05 13 00-0207	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	105.66	
26 05 13 00-0208	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	116.09	
26 05 13 00-0209	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	126.92	
26 05 13 00-0210	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	137.50	
26 05 13 00-0211	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	148.26	
26 05 13 00-0212	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	159.26	
26 05 13 00-0213	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	169.70	
26 05 13 00-0214	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	191.55	
26 05 13 00-0215	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	213.98	
26 05 13 00-0216		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 00-0172)*		
		Note: For bare wire.		
26 05 13 00-0217	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	59.02	
26 05 13 00-0218	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	64.27	
26 05 13 00-0219	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	86.39	
26 05 13 00-0220	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	100.22	
26 05 13 00-0221	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	110.45	
26 05 13 00-0222	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	120.66	
26 05 13 00-0223	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	132.23	
26 05 13 00-0224	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	143.11	
26 05 13 00-0225	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	153.74	
26 05 13 00-0226	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	164.62	
26 05 13 00-0227	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	175.32	
26 05 13 00-0228	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	199.61	
26 05 13 00-0229	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	224.04	
26 05 13 00-0230		**15 KV** *(26 05 13 00-0171)*		
26 05 13 00-0231		**Single Conductor Pothead On Racks** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0232	EA	#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks	975.52	384.29
26 05 13 00-0233	EA	250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks	1,235.47	475.78

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0234		**Two Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0235	EA	#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks	1,460.36	585.58
26 05 13 00-0236	EA	250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks	1,744.83	695.37
26 05 13 00-0237		**Three Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0238	EA	#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks	1,877.25	759.42
26 05 13 00-0239	EA	250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks	2,341.62	951.57
26 05 13 00-0240		**Stress Relief Cone On Rack** *(26 05 13 00-0230)*		
26 05 13 00-0241	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	938.47	384.29
26 05 13 00-0242	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,193.81	475.78
26 05 13 00-0243		**Grounded, Shielded Cable Splice** *(26 05 13 00-0230)*		
26 05 13 00-0244	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	666.26	283.64
26 05 13 00-0245	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	856.04	365.98
26 05 13 00-0246	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	3,413.19	1,006.46
26 05 13 00-0247	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	4,201.96	1,097.96
26 05 13 00-0248		**Cable Termination** *(26 05 13 00-0230)*		
26 05 13 00-0249	EA	#2 To 3/0 AWG Cable Termination 15 KV	415.87	160.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.07*	
26 05 13 00-0250	EA	4/0 To 250 MCM Cable Termination 15 KV	528.74	205.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.52*	
26 05 13 00-0251	EA	350 To 500 MCM Cable Termination 15 KV	652.14	251.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.97*	
26 05 13 00-0252	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	255.13	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 05 13 00-0253		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0254	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	451.48	118.94
26 05 13 00-0255	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	510.30	131.47
26 05 13 00-0256	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	594.61	143.87
26 05 13 00-0257	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	746.82	165.76
26 05 13 00-0258		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0259	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	902.98	238.29
26 05 13 00-0260	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,020.69	262.92
26 05 13 00-0261	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	1,178.55	282.39
26 05 13 00-0262	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,493.63	331.51
26 05 13 00-0263		**35 KV** *(26 05 13 00-0171)*		
26 05 13 00-0264		**35 KV One Conductor Splice** *(26 05 13 00-0263)*		
26 05 13 00-0265	EA	Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,658.19	
26 05 13 00-0266		**Cable Termination** *(26 05 13 00-0263)*		
26 05 13 00-0267	EA	#2 To 3/0 AWG Cable Termination 35 KV	335.15	109.88
26 05 13 00-0268	EA	3/0 AWG To 250 MCM Cable Termination 35 KV	472.71	165.80
26 05 13 00-0269	EA	350 To 500 MCM Cable Termination 35 KV	534.35	177.32
26 05 13 00-0270	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	270.05	91.50
26 05 13 00-0271		**70 KV** *(26 05 13 00-0171)*		
26 05 13 00-0272		**Cable Splice** *(26 05 13 00-0271)*		
26 05 13 00-0273	EA	Cable Splicing, 350 MCM 70 KV	6,188.00	
26 05 13 00-0274	EA	Cable Splicing, #2 To 4/0 70 KV	1,695.67	

26 05 19 Low-Voltage Electrical Power Conductors And Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		**Under Carpet Power System** *(26 05 19 13)*		
		Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF	Cable Flat 3 Conductor #12 With Attached Bottom Shield	7.65	0.42
26 05 19 13-0003	LF	Top Shield, Steel	7.26	0.42
26 05 19 13-0004	EA	Splice, 3-Conductor	36.24	7.11
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	8.51	3.35

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0006	EA	Tap 3-Conductor	45.95	8.37
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	80.66	7.11
26 05 19 13-0008	EA	Transition Block Assembly 3-conductor	53.32	4.18
26 05 19 13-0009	EA	Receptacles, Direct Connected Single, With Box	159.64	13.38
26 05 19 13-0010	EA	Receptacles, Direct Connected Dual, With Box	268.18	20.91
26 05 19 13-0011	EA	Box, Floor Mounted With Cover	273.48	16.73
26 05 19 13-0012	LF	5-Conductor #12 With Attached Bottom Shield	12.56	0.42
26 05 19 13-0013	LF	Shield, Top, Steel For 5 Conductor	12.46	0.42
26 05 19 13-0014	EA	Splice, 5 Conductor	36.87	7.11
26 05 19 13-0015	EA	Transition Block Assembly 5 Conductor	72.60	4.18
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	108.76	16.73
26 05 19 13-0017	EA	Telephone Transition Fitting Wall Box	67.46	13.80
26 05 19 13-0018	EA	Telephone Fitting With Duplex Jack And Cover RJ-45	92.23	15.90
26 05 19 13-0019	EA	Telephone Miniature With Duplex RJ-45	40.56	6.27
26 05 19 13-0020	LF	Telephone 4-Pair Level 5 Under Carpet Wire	2.26	0.42
26 05 19 13-0021	EA	BNC Coax Connector Plug	27.25	8.37
26 05 19 13-0022	EA	TNC Connector Coax Plug	27.25	8.37
26 05 19 13-0023	CLF	Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	146.56	41.83

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.28	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.15	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.65	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.37	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	2.48	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	3.17	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	347.83	

26 05 19 16-0011 Wire and Cable *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*

26 05 19 16-0013 Multi-Conductor Cords *(26 05 19 16-0012)*

Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.

26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0013)*

Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.

26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*

26 05 19 16-0016 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0017	LF	2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.00	0.37
26 05 19 16-0018	LF	3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.05	0.37
26 05 19 16-0019	LF	4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.20	0.37

26 05 19 16-0020 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0021	LF	2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.16	0.37
26 05 19 16-0022	LF	3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.25	0.37
26 05 19 16-0023	LF	4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.38	0.37

26 05 19 16-0024 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0025	LF	2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.33	0.37
26 05 19 16-0026	LF	3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.48	0.37
26 05 19 16-0027	LF	4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.76	0.37

26 05 19 16-0028 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0029	LF	2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.58	0.37
26 05 19 16-0030	LF	3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.75	0.37
26 05 19 16-0031	LF	4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.00	0.37

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0032		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0033	LF	2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.10	0.46
26 05 19 16-0034	LF	3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.22	0.46
26 05 19 16-0035	LF	4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.40	0.46
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0037		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0038	LF	2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.05	0.37
26 05 19 16-0039	LF	3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.15	0.37
26 05 19 16-0040	LF	4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.29	0.37
26 05 19 16-0041	LF	5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.34	0.49
26 05 19 16-0042	LF	6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.57	0.51
26 05 19 16-0043	LF	7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.75	0.52
26 05 19 16-0044	LF	8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.04	0.53
26 05 19 16-0045	LF	10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.53	0.56
26 05 19 16-0046	LF	12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.05	0.58
26 05 19 16-0047	LF	14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.43	0.59
26 05 19 16-0048	LF	16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.53	0.60
26 05 19 16-0049	LF	18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.69	0.62
26 05 19 16-0050	LF	20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.35	0.63
26 05 19 16-0051	LF	24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.09	0.64
26 05 19 16-0052	LF	30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.43	0.68
26 05 19 16-0053		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0054	LF	2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.25	0.37
26 05 19 16-0055	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.34	0.37
26 05 19 16-0056	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.52	0.37
26 05 19 16-0057	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.46	0.49
26 05 19 16-0058	LF	6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.73	0.51
26 05 19 16-0059	LF	7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.01	0.52
26 05 19 16-0060	LF	8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.35	0.53
26 05 19 16-0061	LF	9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.49	0.55
26 05 19 16-0062	LF	10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.91	0.56
26 05 19 16-0063	LF	12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.60	0.58
26 05 19 16-0064	LF	14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.95	0.59
26 05 19 16-0065	LF	16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.62	0.60
26 05 19 16-0066	LF	18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.55	0.62
26 05 19 16-0067	LF	20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.38	0.63
26 05 19 16-0068	LF	24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.97	0.64
26 05 19 16-0069	LF	26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.90	0.66
26 05 19 16-0070	LF	30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.57	0.68
26 05 19 16-0071		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0072	LF	2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.50	0.37
26 05 19 16-0073	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.61	0.37
26 05 19 16-0074	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.87	0.37
26 05 19 16-0075	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.27	0.49
26 05 19 16-0076	LF	6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.97	0.51
26 05 19 16-0077	LF	7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.20	0.52
26 05 19 16-0078	LF	8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.76	0.53
26 05 19 16-0079	LF	9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.13	0.55
26 05 19 16-0080	LF	10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.56
26 05 19 16-0081	LF	12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.36	0.58
26 05 19 16-0082	LF	14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.04	0.59
26 05 19 16-0083	LF	16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.52	0.60
26 05 19 16-0084	LF	20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.59	0.63
26 05 19 16-0085	LF	24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.36	0.64
26 05 19 16-0086	LF	30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.48	0.68
26 05 19 16-0087		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0088	LF	2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.77	0.37
26 05 19 16-0089	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.96	0.37
26 05 19 16-0090	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.16	0.37
26 05 19 16-0091	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.79	0.49
26 05 19 16-0092	LF	6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.43	0.51
26 05 19 16-0093	LF	7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.09	0.52
26 05 19 16-0094	LF	8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.80	0.53
26 05 19 16-0095	LF	9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.29	0.55
26 05 19 16-0096	LF	10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.17	0.56
26 05 19 16-0097	LF	12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.19	0.58
26 05 19 16-0098	LF	14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.14	0.59
26 05 19 16-0099	LF	16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.09	0.60
26 05 19 16-0100	LF	18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.55	0.62

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0101	LF	20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.21	0.63
26 05 19 16-0102	LF	24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.90	0.64
26 05 19 16-0103	LF	26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.61	0.66
26 05 19 16-0104	LF	28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.15	0.67
26 05 19 16-0105	LF	30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.74	0.68
26 05 19 16-0106		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0107	LF	2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.05	0.46
26 05 19 16-0108	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.22	0.46
26 05 19 16-0109	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.39	0.46
26 05 19 16-0110	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.24	0.49
26 05 19 16-0111	LF	6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.48	0.51
26 05 19 16-0112	LF	7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.49	0.52
26 05 19 16-0113	LF	10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.42	0.56
26 05 19 16-0114	LF	12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.68	0.58
26 05 19 16-0115	LF	16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.41	0.60
26 05 19 16-0116	LF	20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.20	0.63
26 05 19 16-0117		#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0118	LF	3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.26	0.55
26 05 19 16-0119	LF	4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.65	0.64
26 05 19 16-0120	LF	5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.45	0.64
26 05 19 16-0121		#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0122	LF	3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.22	0.64
26 05 19 16-0123	LF	4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.53	0.73
26 05 19 16-0124	LF	5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.04	0.91
26 05 19 16-0125		#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0126	LF	3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.01	0.91
26 05 19 16-0127	LF	4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.01	1.00
26 05 19 16-0128	LF	5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.34	1.10
26 05 19 16-0129		#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0130	LF	3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	14.76	1.83
26 05 19 16-0131	LF	4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	18.82	2.28
26 05 19 16-0132	LF	5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	22.59	3.02
26 05 19 16-0133		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0134		#18, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0135	LF	2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.39	0.37
26 05 19 16-0136	LF	3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.55	0.37
26 05 19 16-0137	LF	4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.88	0.37
26 05 19 16-0138		#16, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0139	LF	2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.37
26 05 19 16-0140	LF	3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.75	0.37
26 05 19 16-0141	LF	4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.87	0.37
26 05 19 16-0142		#14, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0143	LF	2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.14	0.37
26 05 19 16-0144	LF	3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.20	0.37
26 05 19 16-0145	LF	4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	4.14	0.46
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0147		#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0148	LF	2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.06	0.37
26 05 19 16-0149	LF	3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.50	0.37
26 05 19 16-0150	LF	4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.97	0.37
26 05 19 16-0151		#16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0152	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.22	0.37
26 05 19 16-0153	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.67	0.37
26 05 19 16-0154	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.37

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0155	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.67	0.46
26 05 19 16-0156		#14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0157	LF	3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.78	0.37
26 05 19 16-0158	LF	4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.37	0.37
26 05 19 16-0159	LF	5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.77	0.46
26 05 19 16-0160		#12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0161	LF	3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.33	0.37
26 05 19 16-0162	LF	4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.85	0.37
26 05 19 16-0163	LF	5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.30	0.46
26 05 19 16-0164		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0165	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.83	0.46
26 05 19 16-0166	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.29	0.46
26 05 19 16-0167	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.74	0.46
26 05 19 16-0168		Multi-Conductor Type SEOW Cord *(26 05 19 16-0013)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0168)*		
26 05 19 16-0170		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0171	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.51	0.37
26 05 19 16-0172	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.68	0.37
26 05 19 16-0173	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.65	0.46
26 05 19 16-0174		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0175	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.05	0.37
26 05 19 16-0176	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.39	0.37
26 05 19 16-0177	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.50	0.46
26 05 19 16-0178		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0179	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.60	0.37
26 05 19 16-0180	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.04	0.37
26 05 19 16-0181	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.87	0.46
26 05 19 16-0182		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0183	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.34	0.46
26 05 19 16-0184	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.87	0.46
26 05 19 16-0185	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.15	0.46
26 05 19 16-0186		Multi-Conductor Type W Cord *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0186)*		
26 05 19 16-0188		#8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0189	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.70	0.55
26 05 19 16-0190	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.06	0.64
26 05 19 16-0191	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.02	0.64
26 05 19 16-0192		#6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0193	LF	3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.03	0.64
26 05 19 16-0194	LF	4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.01	0.73
26 05 19 16-0195	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.49	0.91
26 05 19 16-0196		#4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0197	LF	3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.98	0.64
26 05 19 16-0198	LF	4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.25	0.73
26 05 19 16-0199	LF	5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	10.65	0.91
26 05 19 16-0200		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0012)*		
26 05 19 16-0201		Cord Grips *(26 05 19 16-0200)*		
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	57.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.64*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	57.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.64*	

26 05 19 16-0204 Cable Reels *(26 05 19 16-0200)*

Note: Includes handling, mounting, electrical connections and installing cord.

26 05 19 16-0205	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	561.21	45.75
26 05 19 16-0206	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,570.43	45.75
26 05 19 16-0207	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,171.49	45.75

26 05 19 16-0208 Extension Cords *(26 05 19 16-0200)*

26 05 19 16-0209	EA	Extension Cord, 120 Volt 12/3, 100 Ft	94.91	
26 05 19 16-0210	EA	Extension Cord, 240 Volt 10/3, 100 Ft	142.84	

26 05 19 16-0211 Plugs And Connector Bodies *(26 05 19 16-0200)*

Note: Up to 277 volts.

26 05 19 16-0212 NEMA Twist-Lock Plugs *(26 05 19 16-0211)*

26 05 19 16-0213	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	64.70	
26 05 19 16-0214	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	66.16	
26 05 19 16-0215	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	60.02	
26 05 19 16-0216	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	64.52	
26 05 19 16-0217	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	85.59	
26 05 19 16-0218	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	91.30	
26 05 19 16-0219	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	96.88	
26 05 19 16-0220	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	86.44	
26 05 19 16-0221	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	100.16	
26 05 19 16-0222	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	102.84	
26 05 19 16-0223	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	106.24	

26 05 19 16-0224 NEMA Twist-Lock Connector Bodies *(26 05 19 16-0211)*

26 05 19 16-0225	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	68.83	
26 05 19 16-0226	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	73.99	
26 05 19 16-0227	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	63.12	
26 05 19 16-0228	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	86.44	
26 05 19 16-0229	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	101.50	
26 05 19 16-0230	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	108.79	
26 05 19 16-0231	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	133.32	
26 05 19 16-0232	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	127.13	
26 05 19 16-0233	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	157.86	
26 05 19 16-0234	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	166.00	
26 05 19 16-0235	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	157.13	

26 05 19 16-0236 Watertight Pin And Sleeve Plug *(26 05 19 16-0211)*

26 05 19 16-0237	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	179.45	27.45
26 05 19 16-0238	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	181.26	27.45
26 05 19 16-0239	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	195.29	27.45
26 05 19 16-0240	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	196.55	30.19
26 05 19 16-0241	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	193.83	30.19
26 05 19 16-0242	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	194.64	30.19
26 05 19 16-0243	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	270.91	33.76
26 05 19 16-0244	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	264.13	33.76
26 05 19 16-0245	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	293.24	33.76
26 05 19 16-0246	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	289.45	37.06
26 05 19 16-0247	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	277.69	37.06
26 05 19 16-0248	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	285.78	37.06
26 05 19 16-0249	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	367.41	43.92
26 05 19 16-0250	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	373.86	43.92
26 05 19 16-0251	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	358.56	43.92
26 05 19 16-0252	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	407.93	48.86
26 05 19 16-0253	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	397.89	48.86
26 05 19 16-0254	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	402.23	48.86
26 05 19 16-0255	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	502.32	54.90
26 05 19 16-0256	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	527.24	54.90
26 05 19 16-0257	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	516.43	60.39
26 05 19 16-0258	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	507.92	60.39
26 05 19 16-0259	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	512.52	60.39

26 05 19 16-0260 Watertight Pin And Sleeve Connector *(26 05 19 16-0211)*

26 05 19 16-0261	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	189.84	27.45
26 05 19 16-0262	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	191.09	27.45
26 05 19 16-0263	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	223.39	27.45
26 05 19 16-0264	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	222.72	30.19
26 05 19 16-0265	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	219.45	30.19
26 05 19 16-0266	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	222.41	30.19
26 05 19 16-0267	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	277.12	33.76

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0268	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	277.05	33.76
26 05 19 16-0269	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	288.19	33.76
26 05 19 16-0270	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	286.43	37.06
26 05 19 16-0271	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	288.72	37.06
26 05 19 16-0272	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	286.30	37.06
26 05 19 16-0273	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	431.07	43.92
26 05 19 16-0274	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	417.43	43.92
26 05 19 16-0275	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	409.30	43.92
26 05 19 16-0276	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	445.83	48.86
26 05 19 16-0277	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	457.69	48.86
26 05 19 16-0278	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	458.56	48.86
26 05 19 16-0279	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	572.15	54.90
26 05 19 16-0280	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	587.80	54.90
26 05 19 16-0281	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	635.54	60.39
26 05 19 16-0282	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	614.05	60.39
26 05 19 16-0283	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	621.38	60.39

26 05 19 16-0284 Accessories *(26 05 19 16-0200)*

26 05 19 16-0285	EA	1/2" Straight Steel Cord Connector	39.27	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0286	EA	1/2" Straight Nylon Cord Connector	24.22	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 19 16-0287	EA	1/2" 90 Degree Steel Cord Connector	45.42	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0288	EA	1/2" 90 Degree Nylon Cord Connector	29.57	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0289	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	44.90	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0290	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	74.78	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 19 16-0291	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	29.17	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0292	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	47.33	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0293	EA	3/4" Straight Steel Cord Connector	40.75	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0294	EA	3/4" Straight Nylon Cord Connector	24.95	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 19 16-0295	EA	3/4" 90 Degree Steel Cord Connector	50.03	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0296	EA	3/4" 90 Degree Nylon Cord Connector	31.87	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0297	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	51.02	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 19 16-0298	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	60.53	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 05 19 16-0299	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	35.30	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0300	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	42.59	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 19 16-0301	EA	1" Straight Steel Cord Connector	50.21	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0302	EA	1" Straight Nylon Cord Connector	29.69	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 19 16-0303	EA	1" 90 Degree Steel Cord Connector	56.28	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0304	EA	1" 90 Degree Nylon Cord Connector	35.00	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 19 16-0305	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	60.96	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 19 16-0306	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	67.09	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 05 19 16-0307	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	40.34	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 19 16-0308	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	46.86	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	

26 05 19 16-0309 600 Volt Wire *(26 05 19 16-0011)*

26 05 19 16-0310 Single Solid Conductor, Copper *(26 05 19 16-0309)*

26 05 19 16-0311	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	489.89	203.01
26 05 19 16-0312	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	609.51	238.82
26 05 19 16-0313	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	748.04	292.01
26 05 19 16-0314	MLF	#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	647.73	203.01
26 05 19 16-0315	MLF	#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	782.90	238.82
26 05 19 16-0316	MLF	#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	939.27	292.01

26 05 19 16-0317 Power Cable, Stranded Conductor, Copper *(26 05 19 16-0309)*

26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW-2 *(26 05 19 16-0317)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0319	MLF	#16 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	516.35	167.30
26 05 19 16-0320	MLF	#14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	610.38	200.76
26 05 19 16-0321	MLF	#12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	748.18	234.22
26 05 19 16-0322	MLF	#10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	915.56	267.67
26 05 19 16-0323	MLF	#8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,214.89	334.59
26 05 19 16-0324	MLF	#6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,629.43	401.50
26 05 19 16-0325	MLF	#4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,219.52	501.89
26 05 19 16-0326	MLF	#3 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,620.20	568.80
26 05 19 16-0327	MLF	#2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,093.67	635.72
26 05 19 16-0328	MLF	#1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,815.15	702.64
26 05 19 16-0329	MLF	1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	4,567.98	803.02
26 05 19 16-0330	MLF	2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	5,458.36	903.39
26 05 19 16-0331	MLF	3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	6,515.31	1,003.77
26 05 19 16-0332	MLF	4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	7,784.52	1,104.14
26 05 19 16-0333	MLF	250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	8,257.78	1,204.52
26 05 19 16-0334	MLF	300 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	9,762.80	1,304.90
26 05 19 16-0335	MLF	350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	10,417.78	1,405.27
26 05 19 16-0336	MLF	400 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	11,637.49	1,505.65
26 05 19 16-0337	MLF	500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	13,443.54	1,606.03
26 05 19 16-0338	MLF	600 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	15,456.60	1,739.86
26 05 19 16-0339	MLF	750 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	23,330.81	1,940.62
26 05 19 16-0340	MLF	1,000 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	32,800.36	2,275.21

26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW-2 *(26 05 19 16-0317)*

26 05 19 16-0342	MLF	2/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,220.74	401.42
26 05 19 16-0343	MLF	3/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,496.53	468.51
26 05 19 16-0344	MLF	4/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,856.05	568.80
26 05 19 16-0345	MLF	6/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,197.73	618.74
26 05 19 16-0346	MLF	7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,390.36	652.37
26 05 19 16-0347	MLF	9/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,774.33	719.20
26 05 19 16-0348	MLF	10/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,982.51	749.64
26 05 19 16-0349	MLF	12/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,351.24	819.75
26 05 19 16-0350	MLF	14/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,694.02	870.10
26 05 19 16-0351	MLF	24/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,364.28	1,104.23
26 05 19 16-0352	MLF	37/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	8,112.82	1,639.49
26 05 19 16-0353	MLF	2/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,496.57	468.51
26 05 19 16-0354	MLF	3/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,910.05	568.80
26 05 19 16-0355	MLF	4/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,323.55	669.18
26 05 19 16-0356	MLF	2/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,997.75	602.01
26 05 19 16-0357	MLF	3/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,577.79	735.43
26 05 19 16-0358	MLF	4/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,328.04	937.02
26 05 19 16-0359	MLF	6/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,490.60	1,204.94
26 05 19 16-0360	MLF	9/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,065.34	1,539.19
26 05 19 16-0361	MLF	2/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,471.60	685.91
26 05 19 16-0362	MLF	3/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,142.77	803.02
26 05 19 16-0363	MLF	4/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,064.91	1,020.50
26 05 19 16-0364	MLF	2/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,175.29	769.55
26 05 19 16-0365	MLF	3/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,260.92	953.58
26 05 19 16-0366	MLF	4/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,442.83	1,176.08
26 05 19 16-0367	MLF	2/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,263.73	933.67
26 05 19 16-0368	MLF	3/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,564.27	1,067.93
26 05 19 16-0369	MLF	4/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	7,190.83	1,332.67
26 05 19 16-0370	MLF	2/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,851.90	1,137.27
26 05 19 16-0371	MLF	3/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	7,692.53	1,271.77
26 05 19 16-0372	MLF	4/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	10,199.85	1,672.94
26 05 19 16-0373	MLF	3/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	10,190.05	1,605.78
26 05 19 16-0374	MLF	4/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	13,250.92	2,006.70
26 05 19 16-0375	MLF	3/c #1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	12,031.76	1,740.20
26 05 19 16-0376	MLF	3/c #2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	14,616.33	2,006.70
26 05 19 16-0377	MLF	3/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	17,870.46	2,341.12
26 05 19 16-0378	MLF	4/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	23,548.59	3,010.05
26 05 19 16-0379	MLF	3/c #4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	21,769.99	2,678.98
26 05 19 16-0380	MLF	3/c 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	23,264.42	3,010.05
26 05 19 16-0381	MLF	3/c 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	29,078.47	3,345.90
26 05 19 16-0382	MLF	3/c 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	37,478.67	3,677.30

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0309)

Note: Direct bury.

26 05 19 16-0384	MLF	#14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	681.68	
26 05 19 16-0385	MLF	#12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	801.04	
26 05 19 16-0386	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	988.82	
26 05 19 16-0387	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,290.59	
26 05 19 16-0388	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,766.79	
26 05 19 16-0389	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,311.31	
26 05 19 16-0390	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,287.33	
26 05 19 16-0391	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,036.00	
26 05 19 16-0392	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,914.95	
26 05 19 16-0393	MLF	#2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	5,913.17	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0394	MLF	#3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	7,076.41	
26 05 19 16-0395	MLF	#4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	7,975.83	
26 05 19 16-0396	MLF	250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	8,642.51	
26 05 19 16-0397	MLF	300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	10,263.45	
26 05 19 16-0398	MLF	350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	11,442.37	
26 05 19 16-0399	MLF	400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	12,810.94	
26 05 19 16-0400	MLF	500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	15,065.37	
26 05 19 16-0401	MLF	600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	17,717.86	
26 05 19 16-0402	MLF	750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	27,626.05	
26 05 19 16-0403	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	605.98	
26 05 19 16-0404	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	724.86	
26 05 19 16-0405	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	864.64	
26 05 19 16-0406	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,062.18	
26 05 19 16-0407	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,358.79	
26 05 19 16-0408	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,798.73	
26 05 19 16-0409	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,430.52	
26 05 19 16-0410	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,863.12	
26 05 19 16-0411	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,242.88	
26 05 19 16-0412	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,654.51	
26 05 19 16-0413	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,235.03	
26 05 19 16-0414	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,931.56	
26 05 19 16-0415	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,581.59	
26 05 19 16-0416	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,265.83	
26 05 19 16-0417	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,006.32	
26 05 19 16-0418	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,771.28	
26 05 19 16-0419	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,013.59	
26 05 19 16-0420	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,883.90	
26 05 19 16-0421	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	498.75	
26 05 19 16-0422	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	617.10	
26 05 19 16-0423	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	758.60	
26 05 19 16-0424	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,054.08	
26 05 19 16-0425	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,418.21	
26 05 19 16-0426	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,855.06	
26 05 19 16-0427	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,630.06	
26 05 19 16-0428	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,117.05	
26 05 19 16-0429	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,624.91	
26 05 19 16-0430	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,101.84	
26 05 19 16-0431	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,835.30	
26 05 19 16-0432	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,736.56	
26 05 19 16-0433	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,708.48	
26 05 19 16-0434	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,719.56	
26 05 19 16-0435	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,803.50	
26 05 19 16-0436	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,850.67	
26 05 19 16-0437	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,637.65	
26 05 19 16-0438	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,941.10	
26 05 19 16-0439	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	21,733.80	
26 05 19 16-0440	MLF	#2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,385.12	
26 05 19 16-0441	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,304.19	
26 05 19 16-0442	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,998.51	
26 05 19 16-0443	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,950.90	
26 05 19 16-0444	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,837.43	
26 05 19 16-0445	MLF	250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,522.69	
26 05 19 16-0446	MLF	350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,679.21	
26 05 19 16-0447	MLF	400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,872.84	
26 05 19 16-0448	MLF	500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,971.03	

26 05 19 16-0449 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0309)*

26 05 19 16-0450 ACTHH, Solid *(26 05 19 16-0449)*

26 05 19 16-0451	MLF	#8 AWG Cable - Type ACT, 1 Conductor, Solid	1,890.54	548.98
26 05 19 16-0452	MLF	#6 AWG Cable - Type ACT, 1 Conductor, Solid	2,177.16	622.18
26 05 19 16-0453	MLF	#4 AWG Cable - Type ACT, 1 Conductor, Solid	2,475.40	658.78
26 05 19 16-0454	MLF	#14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,763.17	914.96
26 05 19 16-0455	MLF	#12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,973.71	1,024.58
26 05 19 16-0456	MLF	#10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,716.59	1,135.20
26 05 19 16-0457	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,786.52	1,244.81
26 05 19 16-0458	MLF	#14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,316.85	1,024.58
26 05 19 16-0459	MLF	#12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,493.24	1,135.20
26 05 19 16-0460	MLF	#10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,416.21	1,281.50
26 05 19 16-0461	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,654.95	1,390.57
26 05 19 16-0462	MLF	#14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,929.27	1,135.20
26 05 19 16-0463	MLF	#12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,316.83	1,281.50
26 05 19 16-0464	MLF	#10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,432.41	1,427.43
26 05 19 16-0465	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,953.29	1,537.79

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0466		**ACTHH, Stranded** *(26 05 19 16-0449)*		
26 05 19 16-0467	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	4,970.38	1,318.37
26 05 19 16-0468	MLF	#6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	6,030.53	1,499.90
26 05 19 16-0469	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	5,838.49	1,463.95
26 05 19 16-0470	MLF	#6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	7,268.69	1,645.66
26 05 19 16-0471	MLF	#4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	9,127.54	1,829.93
26 05 19 16-0472	MLF	#3 AWG Cable - Type ACTHH, 3 Conductors, Stranded	10,467.87	2,010.92
26 05 19 16-0473	MLF	#2 AWG Cable - Type ACTHH, 3 Conductors, Stranded	11,964.30	2,194.18
26 05 19 16-0474	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Stranded	7,499.33	1,756.19
26 05 19 16-0475	MLF	#6 AWG Cable - Type ACTHH, 4 Conductors, Stranded	9,027.20	1,938.45
26 05 19 16-0476	MLF	#4 AWG Cable - Type ACTHH, 4 Conductors, Stranded	11,509.81	2,122.90
26 05 19 16-0477	MLF	#3 AWG Cable - Type ACTHH, 4 Conductors, Stranded	12,607.71	2,304.71
26 05 19 16-0478	MLF	#2 AWG Cable - Type ACTHH, 4 Conductors, Stranded	14,889.94	2,486.33
26 05 19 16-0479		**HCFC, Solid** *(26 05 19 16-0449)*		
26 05 19 16-0480	MLF	#14 AWG Cable - Type HCF, 2 Conductors, Solid	3,062.00	914.96
26 05 19 16-0481	MLF	#12 AWG Cable - Type HCF, 2 Conductors, Solid	3,359.94	1,028.05
26 05 19 16-0482	MLF	#10 AWG Cable - Type HCF, 2 Conductors, Solid	3,750.12	1,129.62
26 05 19 16-0483	MLF	#14 AWG Cable - Type HCF, 3 Conductors, Solid	3,689.25	1,028.05
26 05 19 16-0484	MLF	#12 AWG Cable - Type HCF, 3 Conductors, Solid	3,965.61	1,129.62
26 05 19 16-0485	MLF	#10 AWG Cable - Type HCF, 3 Conductors, Solid	5,133.96	1,288.73
26 05 19 16-0486	MLF	#14 AWG Cable - Type HCF, 4 Conductors, Solid	4,495.70	1,129.62
26 05 19 16-0487	MLF	#12 AWG Cable - Type HCF, 4 Conductors, Solid	4,927.24	1,288.73
26 05 19 16-0488	MLF	#10 AWG Cable - Type HCF, 4 Conductors, Solid	6,643.25	1,429.64
26 05 19 16-0489		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0449)*		
26 05 19 16-0490	MLF	#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,792.68	914.96
26 05 19 16-0491	MLF	#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,119.66	1,028.05
26 05 19 16-0492	MLF	#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,742.86	1,129.62
26 05 19 16-0493	MLF	#8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,770.62	1,207.12
26 05 19 16-0494	MLF	#6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,924.90	1,279.67
26 05 19 16-0495	MLF	#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,223.60	1,028.05
26 05 19 16-0496	MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,635.07	1,129.62
26 05 19 16-0497	MLF	#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,609.49	1,288.73
26 05 19 16-0498	MLF	#8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,971.63	1,390.57
26 05 19 16-0499	MLF	#6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,975.44	1,499.90
26 05 19 16-0500	MLF	#4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,616.25	1,610.89
26 05 19 16-0501	MLF	#2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	11,020.29	1,719.87
26 05 19 16-0502	MLF	#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,733.43	1,129.62
26 05 19 16-0503	MLF	#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,276.69	1,288.73
26 05 19 16-0504	MLF	#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,430.92	1,429.64
26 05 19 16-0505	MLF	#8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,700.91	1,574.84
26 05 19 16-0506	MLF	#6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,620.21	1,685.01
26 05 19 16-0507	MLF	#4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	13,989.79	1,794.07
26 05 19 16-0508	MLF	#2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	18,050.13	1,902.22
26 05 19 16-0509		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0449)*		
26 05 19 16-0510	MLF	#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	2,770.31	914.96
26 05 19 16-0511	MLF	#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,061.67	1,028.05
26 05 19 16-0512	MLF	#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,691.56	1,129.62
26 05 19 16-0513	MLF	#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,317.01	1,028.05
26 05 19 16-0514	MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,583.54	1,129.62
26 05 19 16-0515	MLF	#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	4,568.74	1,288.73
26 05 19 16-0516	MLF	#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,177.52	1,129.62
26 05 19 16-0517	MLF	#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,598.56	1,288.73
26 05 19 16-0518	MLF	#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,430.92	1,429.64
26 05 19 16-0519		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0449)*		
		Note: Color coded red.		
26 05 19 16-0520	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,670.37	695.37
26 05 19 16-0521	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,039.28	805.17
26 05 19 16-0522	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,731.14	914.96
26 05 19 16-0523	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,268.78	1,024.76
26 05 19 16-0524	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,045.43	805.17
26 05 19 16-0525	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,583.64	914.96
26 05 19 16-0526	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,445.89	1,024.76
26 05 19 16-0527	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,043.88	1,134.56
26 05 19 16-0528		**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0449)*		
		Note: Color coded red.		
26 05 19 16-0529	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,392.00	914.96
26 05 19 16-0530	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,163.18	1,024.76
26 05 19 16-0531	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,438.89	1,134.56
26 05 19 16-0532	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,274.90	1,244.35
26 05 19 16-0533	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,222.40	1,024.76

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0534	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	5,114.28	1,134.56
26 05 19 16-0535		**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0449)*		
		Note: Color coded red.		
26 05 19 16-0536	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,871.51	695.37
26 05 19 16-0537	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,562.10	1,024.76
26 05 19 16-0538	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,509.72	805.17
26 05 19 16-0539	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	4,130.07	914.96
26 05 19 16-0540	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,683.05	1,134.56
26 05 19 16-0541	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,114.84	951.57
26 05 19 16-0542	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,049.59	1,097.96
26 05 19 16-0543		**Armored Cable Connectors** *(26 05 19 16-0449)*		
26 05 19 16-0544	EA	3/4" Armored Cable Connector	5.44	2.00
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.51*	
26 05 19 16-0545	EA	1" Armored Cable Connector	6.41	2.35
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.76*	
26 05 19 16-0546	EA	1-1/4" Armored Cable Connector	9.11	3.35
		For Work In Restricted Working Space, Add	*2.51*	
		For Installation Above 14', Add	*1.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 19 16-0547		**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0309)*		
26 05 19 16-0548	MLF	#14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	677.81	134.08
		For EPR Insulation, Add	*26.39*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*61.57*	
26 05 19 16-0549	MLF	#12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	764.86	148.48
		For EPR Insulation, Add	*26.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*62.77*	
26 05 19 16-0550	MLF	#10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	931.00	185.61
		For EPR Insulation, Add	*39.27*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*91.64*	
26 05 19 16-0551	MLF	#8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,266.91	295.28
		For EPR Insulation, Add	*64.56*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*150.65*	
26 05 19 16-0552	MLF	#6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,727.06	354.33
		For EPR Insulation, Add	*108.49*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*253.15*	
26 05 19 16-0553	MLF	#4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,348.95	411.38
		For EPR Insulation, Add	*164.14*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*382.98*	
26 05 19 16-0554	MLF	#3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,679.55	470.85
		For EPR Insulation, Add	*188.63*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*440.14*	
26 05 19 16-0555	MLF	#2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,366.49	530.32
		For EPR Insulation, Add	*266.58*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*622.02*	
26 05 19 16-0556	MLF	#1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	4,157.87	590.63
		For EPR Insulation, Add	*360.19*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*840.45*	
26 05 19 16-0557	MLF	#1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	5,006.57	666.33
		For EPR Insulation, Add	*449.86*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,049.66*	
26 05 19 16-0558	MLF	#2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	6,028.34	738.94
		For EPR Insulation, Add	*565.48*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,319.45*	
26 05 19 16-0559	MLF	#3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	7,220.32	824.93
		For EPR Insulation, Add	*706.64*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,648.82*	
26 05 19 16-0560	MLF	#4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	8,140.19	917.19
		For EPR Insulation, Add	*806.97*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,882.94*	
26 05 19 16-0561	MLF	250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	8,672.95	1,005.94
		For EPR Insulation, Add	*849.25*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,981.57*	
26 05 19 16-0562	MLF	300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	10,216.64	1,105.81
		For EPR Insulation, Add	*1,043.16*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,434.04*	
26 05 19 16-0563	MLF	350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	11,389.35	1,172.32
		For EPR Insulation, Add	*1,181.42*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,756.66*	
26 05 19 16-0564	MLF	400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	12,750.44	1,310.25
		For EPR Insulation, Add	*1,347.95*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,145.21*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0565		MLF	500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	14,552.39	1,457.22
			For EPR Insulation, Add	*1,580.60*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,688.06*	
26 05 19 16-0566		MLF	600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	17,017.52	1,516.11
			For EPR Insulation, Add	*1,900.18*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,433.75*	
26 05 19 16-0567		MLF	750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	27,473.69	1,574.92
			For EPR Insulation, Add	*3,393.32*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*7,917.75*	
26 05 19 16-0568		MLF	1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	34,537.56	1,682.82
			For EPR Insulation, Add	*4,402.71*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*10,273.00*	
26 05 19 16-0569		MLF	#16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,113.91	300.96
26 05 19 16-0570		MLF	#14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,372.84	334.59
26 05 19 16-0571		MLF	#12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,714.21	401.85
26 05 19 16-0572		MLF	#10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,028.67	468.26
26 05 19 16-0573		MLF	#8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,928.49	501.39
26 05 19 16-0574		MLF	#18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	388.09	167.30
26 05 19 16-0575		MLF	#16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	484.08	184.03
26 05 19 16-0576		MLF	#14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	494.92	134.17
26 05 19 16-0577		MLF	#12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	611.61	159.93
26 05 19 16-0578		MLF	#10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	750.37	201.17
26 05 19 16-0579		MLF	#8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,039.73	265.16
26 05 19 16-0580		MLF	#6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,394.49	320.21
26 05 19 16-0581		MLF	#4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,818.50	378.42
26 05 19 16-0582		MLF	#3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,164.81	428.36
26 05 19 16-0583		MLF	#2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,572.53	479.72
26 05 19 16-0584		MLF	#1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,044.30	541.37
26 05 19 16-0585		MLF	#1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,539.93	592.81
26 05 19 16-0586		MLF	#2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,002.11	655.12
26 05 19 16-0587		MLF	#3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,708.61	692.93
26 05 19 16-0588		MLF	#4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	5,578.91	779.59
26 05 19 16-0589		MLF	250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	6,516.49	829.36
26 05 19 16-0590		MLF	300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	7,491.37	939.28
26 05 19 16-0591		MLF	350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	8,535.65	1,039.49
26 05 19 16-0592		MLF	400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	9,544.92	1,067.93
26 05 19 16-0593		MLF	500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	11,258.74	1,129.82
26 05 19 16-0594		MLF	600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	13,857.46	1,329.57
26 05 19 16-0595		MLF	750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	20,913.93	1,574.92
26 05 19 16-0596		MLF	1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	25,013.31	1,901.48
26 05 19 16-0597		MLF	#16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,511.15	401.85
26 05 19 16-0598		MLF	#14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,708.81	468.26
26 05 19 16-0599		MLF	#12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,970.26	535.76
26 05 19 16-0600		MLF	#10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,437.06	602.01
26 05 19 16-0601		MLF	#8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,744.07	669.18
26 05 19 16-0602		MLF	#6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,344.75	735.43
26 05 19 16-0603	600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0309)*				
26 05 19 16-0604		MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	795.73	255.09
26 05 19 16-0605		MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	936.31	296.62
26 05 19 16-0606		MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,216.21	380.76
26 05 19 16-0607		MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,450.06	425.19
26 05 19 16-0608		MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,662.23	479.04
26 05 19 16-0609		MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,870.81	528.72
26 05 19 16-0610		MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,173.82	596.69
26 05 19 16-0611		MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,403.68	658.31
26 05 19 16-0612		MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,734.47	723.69
26 05 19 16-0613		MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,245.51	787.00
26 05 19 16-0614		MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,424.94	850.29
26 05 19 16-0615		MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,883.31	945.76
26 05 19 16-0616		MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,278.38	1,041.19
26 05 19 16-0617		MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,154.83	1,212.87
26 05 19 16-0618		MLF	700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,774.63	1,329.64
26 05 19 16-0619		MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,922.72	1,378.94
26 05 19 16-0620		MLF	1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit	7,867.34	1,672.73
26 05 19 16-0621		MLF	#8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	882.36	297.03
26 05 19 16-0622		MLF	#6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	993.08	334.59
26 05 19 16-0623		MLF	#4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,222.06	411.63
26 05 19 16-0624		MLF	#2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,523.50	504.56
26 05 19 16-0625		MLF	#1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,868.68	593.98
26 05 19 16-0626		MLF	1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,134.16	669.43
26 05 19 16-0627		MLF	2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,403.04	743.54
26 05 19 16-0628		MLF	3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,704.09	811.21
26 05 19 16-0629		MLF	4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,909.54	863.32
26 05 19 16-0630		MLF	250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,226.34	923.72
26 05 19 16-0631		MLF	300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,741.63	989.96
26 05 19 16-0632		MLF	350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,961.16	1,069.43
26 05 19 16-0633		MLF	400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,420.97	1,166.21
26 05 19 16-0634		MLF	500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,006.46	1,338.36
26 05 19 16-0635		MLF	600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,625.19	1,408.46
26 05 19 16-0636		MLF	700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,141.16	1,484.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0637	MLF	750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,398.93	1,578.09
26 05 19 16-0638	MLF	1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	9,181.94	2,211.64
26 05 19 16-0639	MLF	#6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	983.47	334.59
26 05 19 16-0640	MLF	#4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,217.73	411.55
26 05 19 16-0641	MLF	#2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,506.69	505.23
26 05 19 16-0642	MLF	#1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,825.08	590.63
26 05 19 16-0643	MLF	#1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,060.57	666.33
26 05 19 16-0644	MLF	#2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,309.34	738.94
26 05 19 16-0645	MLF	#3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,607.63	811.21
26 05 19 16-0646	MLF	#4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,813.48	863.32
26 05 19 16-0647	MLF	250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,105.78	923.13
26 05 19 16-0648	MLF	300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,569.96	991.22
26 05 19 16-0649	MLF	350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,811.07	1,070.85
26 05 19 16-0650	MLF	400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,185.62	1,163.54
26 05 19 16-0651	MLF	500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,815.77	1,338.36
26 05 19 16-0652	MLF	600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,317.53	1,404.69
26 05 19 16-0653	MLF	700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,786.97	1,484.91
26 05 19 16-0654	MLF	750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,058.39	1,573.32

26 05 19 16-0655 Non-Metallic Sheathed Cable *(26 05 19 16-0309)*

26 05 19 16-0656 Indoor Installation *(26 05 19 16-0655)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0657	MLF	#14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,837.39	635.64
		For Installation In Wood Stud Wall (Includes Drilling), Add	*238.36*	
26 05 19 16-0658	MLF	#14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,261.27	769.55
		For Installation In Wood Stud Wall (Includes Drilling), Add	*288.60*	
26 05 19 16-0659	MLF	#12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,035.16	722.71
		For Installation In Wood Stud Wall (Includes Drilling), Add	*257.22*	
26 05 19 16-0660	MLF	#12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,502.15	802.85
		For Installation In Wood Stud Wall (Includes Drilling), Add	*301.08*	
26 05 19 16-0661	MLF	#10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,537.54	803.27
		For Installation In Wood Stud Wall (Includes Drilling), Add	*301.23*	
26 05 19 16-0662	MLF	#10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,110.13	937.02
		For Installation In Wood Stud Wall (Includes Drilling), Add	*351.38*	
26 05 19 16-0663	MLF	#8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,230.03	961.95
		For Installation In Wood Stud Wall (Includes Drilling), Add	*342.54*	
26 05 19 16-0664	MLF	#8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,188.99	1,162.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*414.06*	
26 05 19 16-0665	MLF	#6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,883.37	1,095.78
		For Installation In Wood Stud Wall (Includes Drilling), Add	*388.96*	
26 05 19 16-0666	MLF	#6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	5,001.97	1,321.63
		For Installation In Wood Stud Wall (Includes Drilling), Add	*470.52*	
26 05 19 16-0667	MLF	#4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,475.20	1,455.47
		For Installation In Wood Stud Wall (Includes Drilling), Add	*517.57*	
26 05 19 16-0668	MLF	#2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	8,990.81	1,580.93
		For Installation In Wood Stud Wall (Includes Drilling), Add	*564.62*	

26 05 19 16-0669 Direct Burial Cable *(26 05 19 16-0655)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0670	MLF	#14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	1,975.01
26 05 19 16-0671	MLF	#14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,506.07
26 05 19 16-0672	MLF	#12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,501.77
26 05 19 16-0673	MLF	#12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,941.08
26 05 19 16-0674	MLF	#10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,788.27
26 05 19 16-0675	MLF	#10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,508.31
26 05 19 16-0676	MLF	#8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,750.63
26 05 19 16-0677	MLF	#8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,745.88
26 05 19 16-0678	MLF	#6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,838.60
26 05 19 16-0679	MLF	#6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,763.86

26 05 19 16-0680 SEU Cable Copper, 3 Conductor *(26 05 19 16-0655)*

26 05 19 16-0681	MLF	12-12-12 Cable SEU Copper	2,410.57	805.44
26 05 19 16-0682	MLF	10-10-10 Cable SEU Copper	2,997.11	914.96
26 05 19 16-0683	MLF	8-8-8 Cable SEU Copper	3,695.87	1,024.58
26 05 19 16-0684	MLF	6-6-8 Cable SEU Copper	4,422.85	1,098.42
26 05 19 16-0685	MLF	6-6-6 Cable SEU Copper	4,744.25	1,135.20
26 05 19 16-0686	MLF	4-4-6 Cable SEU Copper	5,743.13	1,244.81
26 05 19 16-0687	MLF	4-4-4 Cable SEU Copper	6,171.00	1,281.50
26 05 19 16-0688	MLF	3-3-5 Cable SEU Copper	7,155.97	1,390.57
26 05 19 16-0689	MLF	3-3-3 Cable SEU Copper	7,597.12	1,463.95
26 05 19 16-0690	MLF	2-2-4 Cable SEU Copper	8,108.32	1,537.79
26 05 19 16-0691	MLF	2-2-2 Cable SEU Copper	8,659.48	1,610.89
26 05 19 16-0692	MLF	1-1-1 Cable SEU Copper	10,559.47	1,829.93
26 05 19 16-0693	MLF	1/0-1/0-1/0 Cable SEU Copper	12,530.97	2,051.54
26 05 19 16-0694	MLF	2/0-2/0-2/0 Cable SEU Copper	15,044.74	2,310.56
26 05 19 16-0695	MLF	3/0-3/0-3/0 Cable SEU Copper	18,041.75	2,570.14
26 05 19 16-0696	MLF	4/0-4/0-4/0 Cable SEU Copper	20,161.50	2,868.23

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0697		**SEU Cable Aluminum, 3 Conductor** *(26 05 19 16-0655)*		
26 05 19 16-0698	MLF	8-8-8 Cable SEU Aluminum	2,950.27	1,028.05
26 05 19 16-0699	MLF	6-6-6 Cable SEU Aluminum	3,312.70	1,129.62
26 05 19 16-0700	MLF	4-4-6 Cable SEU Aluminum	3,682.02	1,236.49
26 05 19 16-0701	MLF	4-4-4 Cable SEU Aluminum	3,848.32	1,288.73
26 05 19 16-0702	MLF	2-2-4 Cable SEU Aluminum	4,584.24	1,524.97
26 05 19 16-0703	MLF	2-2-2 Cable SEU Aluminum	4,850.14	1,605.21
26 05 19 16-0704	MLF	1-1-1 Cable SEU Aluminum	5,709.26	1,829.93
26 05 19 16-0705	MLF	1/0-1/0-2 Cable SEU Aluminum	6,030.68	1,926.27
26 05 19 16-0706	MLF	1/0-1/0-1/0 Cable SEU Aluminum	6,964.07	2,033.24
26 05 19 16-0707	MLF	2/0-2/0-1 Cable SEU Aluminum	6,813.33	2,178.54
26 05 19 16-0708	MLF	2/0-2/0-2/0 Cable SEU Aluminum	7,181.04	2,287.42
26 05 19 16-0709	MLF	3/0-3/0-1/0 Cable SEU Aluminum	7,707.99	2,395.20
26 05 19 16-0710	MLF	3/0-3/0-3/0 Cable SEU Aluminum	8,221.46	2,541.59
26 05 19 16-0711	MLF	4/0-4/0-2/0 Cable SEU Aluminum	8,756.34	2,747.64
26 05 19 16-0712	MLF	4/0-4/0-4/0 Cable SEU Aluminum	9,197.28	2,859.27
26 05 19 16-0713		**SER Cable Copper, 4 Conductor** *(26 05 19 16-0655)*		
26 05 19 16-0714	MLF	6-6-6-6 Cable SER Copper	7,529.54	1,318.37
26 05 19 16-0715	MLF	4-4-4-6 Cable SER Copper	9,670.21	1,427.43
26 05 19 16-0716	MLF	3-3-3-5 Cable SER Copper	11,344.62	1,610.89
26 05 19 16-0717	MLF	2-2-2-4 Cable SER Copper	13,225.02	1,756.19
26 05 19 16-0718	MLF	1-1-1-3 Cable SER Copper	16,089.74	2,010.92
26 05 19 16-0719	MLF	1/0-1/0-1/0-2 Cable SER Copper	20,431.06	2,304.71
26 05 19 16-0720	MLF	2/0-2/0-2/0-1 Cable SER Copper	24,364.13	2,486.33
26 05 19 16-0721	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	29,357.05	2,781.04
26 05 19 16-0722		**Control Tray Cable, Low Voltage** *(26 05 19 16-0011)*		
		Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0723	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	865.95	405.77
		For Installation On Exposed Surface, Deduct	*-135.26*	
		For Work In Restricted Working Space, Add	*202.88*	
26 05 19 16-0724	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,000.37	453.91
		For Installation On Exposed Surface, Deduct	*-151.30*	
		For Work In Restricted Working Space, Add	*226.95*	
26 05 19 16-0725	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,050.05	453.87
		For Installation On Exposed Surface, Deduct	*-151.30*	
		For Work In Restricted Working Space, Add	*226.95*	
26 05 19 16-0726	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,314.61	569.29
		For Installation On Exposed Surface, Deduct	*-189.76*	
		For Work In Restricted Working Space, Add	*284.64*	
26 05 19 16-0727	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,657.49	693.72
		For Installation On Exposed Surface, Deduct	*-231.24*	
		For Work In Restricted Working Space, Add	*346.86*	
26 05 19 16-0728	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,894.65	762.87
		For Installation On Exposed Surface, Deduct	*-254.29*	
		For Work In Restricted Working Space, Add	*381.43*	
26 05 19 16-0729	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,257.55	866.81
		For Installation On Exposed Surface, Deduct	*-288.93*	
		For Work In Restricted Working Space, Add	*433.40*	
26 05 19 16-0730	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	2,858.67	1,059.48
		For Installation On Exposed Surface, Deduct	*-353.16*	
		For Work In Restricted Working Space, Add	*529.74*	
26 05 19 16-0731	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,272.16	1,155.84
		For Installation On Exposed Surface, Deduct	*-385.28*	
		For Work In Restricted Working Space, Add	*577.92*	
26 05 19 16-0732	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	3,892.37	1,191.97
		For Installation On Exposed Surface, Deduct	*-397.32*	
		For Work In Restricted Working Space, Add	*595.99*	
26 05 19 16-0733	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	4,771.43	1,489.09
		For Installation On Exposed Surface, Deduct	*-496.36*	
		For Work In Restricted Working Space, Add	*744.55*	
26 05 19 16-0734	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	5,727.49	1,740.28
		For Installation On Exposed Surface, Deduct	*-580.09*	
		For Work In Restricted Working Space, Add	*870.14*	
26 05 19 16-0735	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	948.93	427.43
		For Installation On Exposed Surface, Deduct	*-142.37*	
		For Work In Restricted Working Space, Add	*213.55*	
26 05 19 16-0736	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,101.15	477.79
		For Installation On Exposed Surface, Deduct	*-159.26*	
		For Work In Restricted Working Space, Add	*238.90*	
26 05 19 16-0737	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,283.69	550.06
		For Installation On Exposed Surface, Deduct	*-183.35*	
		For Work In Restricted Working Space, Add	*275.03*	
26 05 19 16-0738	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,455.98	599.24
		For Installation On Exposed Surface, Deduct	*-199.75*	
		For Work In Restricted Working Space, Add	*299.62*	
26 05 19 16-0739	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	1,843.67	730.24
		For Installation On Exposed Surface, Deduct	*-243.41*	
		For Work In Restricted Working Space, Add	*365.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0740	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,117.37	803.02
		For Installation On Exposed Surface, Deduct	*-267.67*	
		For Work In Restricted Working Space, Add	*401.51*	
26 05 19 16-0741	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,536.81	912.42
		For Installation On Exposed Surface, Deduct	*-304.14*	
		For Work In Restricted Working Space, Add	*456.21*	
26 05 19 16-0742	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,224.74	1,115.19
		For Installation On Exposed Surface, Deduct	*-371.73*	
		For Work In Restricted Working Space, Add	*557.60*	
26 05 19 16-0743	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	3,709.82	1,216.57
		For Installation On Exposed Surface, Deduct	*-405.52*	
		For Work In Restricted Working Space, Add	*608.28*	
26 05 19 16-0744	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,473.38	1,254.71
		For Installation On Exposed Surface, Deduct	*-418.24*	
		For Work In Restricted Working Space, Add	*627.36*	
26 05 19 16-0745	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	5,474.33	1,567.39
		For Installation On Exposed Surface, Deduct	*-522.46*	
		For Work In Restricted Working Space, Add	*783.69*	
26 05 19 16-0746	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	6,586.90	1,831.87
		For Installation On Exposed Surface, Deduct	*-610.63*	
		For Work In Restricted Working Space, Add	*915.94*	
26 05 19 16-0747	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,031.52	446.18
		For Installation On Exposed Surface, Deduct	*-148.72*	
		For Work In Restricted Working Space, Add	*223.09*	
26 05 19 16-0748	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,237.28	501.89
		For Installation On Exposed Surface, Deduct	*-167.30*	
		For Work In Restricted Working Space, Add	*250.94*	
26 05 19 16-0749	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,452.85	573.66
		For Installation On Exposed Surface, Deduct	*-191.22*	
		For Work In Restricted Working Space, Add	*286.83*	
26 05 19 16-0750	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,639.36	617.82
		For Installation On Exposed Surface, Deduct	*-205.94*	
		For Work In Restricted Working Space, Add	*308.91*	
26 05 19 16-0751	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,193.66	757.34
		For Installation On Exposed Surface, Deduct	*-252.45*	
		For Work In Restricted Working Space, Add	*378.67*	
26 05 19 16-0752	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,534.70	836.48
		For Installation On Exposed Surface, Deduct	*-278.88*	
		For Work In Restricted Working Space, Add	*418.32*	
26 05 19 16-0753	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,125.15	933.50
		For Installation On Exposed Surface, Deduct	*-311.17*	
		For Work In Restricted Working Space, Add	*466.75*	
26 05 19 16-0754	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	3,732.79	1,115.02
		For Installation On Exposed Surface, Deduct	*-371.73*	
		For Work In Restricted Working Space, Add	*557.60*	
26 05 19 16-0755	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	6,403.98	1,295.70
		For Installation On Exposed Surface, Deduct	*-431.79*	
		For Work In Restricted Working Space, Add	*647.68*	
26 05 19 16-0756	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	5,618.78	1,514.86
		For Installation On Exposed Surface, Deduct	*-505.06*	
		For Work In Restricted Working Space, Add	*757.60*	
26 05 19 16-0757	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	6,542.05	1,692.85
		For Installation On Exposed Surface, Deduct	*-564.29*	
		For Work In Restricted Working Space, Add	*846.43*	
26 05 19 16-0758	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	7,891.28	1,978.42
		For Installation On Exposed Surface, Deduct	*-659.48*	
		For Work In Restricted Working Space, Add	*989.21*	
26 05 19 16-0759	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,208.40	477.79
		For Installation On Exposed Surface, Deduct	*-159.26*	
		For Work In Restricted Working Space, Add	*238.90*	
26 05 19 16-0760	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,450.95	528.65
		For Installation On Exposed Surface, Deduct	*-176.16*	
		For Work In Restricted Working Space, Add	*264.24*	
26 05 19 16-0761	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	1,770.24	608.29
		For Installation On Exposed Surface, Deduct	*-202.76*	
		For Work In Restricted Working Space, Add	*304.14*	
26 05 19 16-0762	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,010.47	647.43
		For Installation On Exposed Surface, Deduct	*-215.81*	
		For Work In Restricted Working Space, Add	*323.72*	
26 05 19 16-0763	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	2,663.87	771.90
		For Installation On Exposed Surface, Deduct	*-257.30*	
		For Work In Restricted Working Space, Add	*385.95*	
26 05 19 16-0764	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,293.24	912.42
		For Installation On Exposed Surface, Deduct	*-304.14*	
		For Work In Restricted Working Space, Add	*456.21*	
26 05 19 16-0765	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	4,018.76	1,029.37
		For Installation On Exposed Surface, Deduct	*-343.12*	
		For Work In Restricted Working Space, Add	*514.68*	
26 05 19 16-0766	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	4,790.72	1,180.93
		For Installation On Exposed Surface, Deduct	*-393.64*	
		For Work In Restricted Working Space, Add	*590.47*	
26 05 19 16-0767	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	5,674.32	1,338.53
		For Installation On Exposed Surface, Deduct	*-446.17*	
		For Work In Restricted Working Space, Add	*669.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0768	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	7,292.64	1,564.37
		For Installation On Exposed Surface, Deduct	*-521.46*	
		For Work In Restricted Working Space, Add	*782.19*	
26 05 19 16-0769	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	8,442.17	1,828.37
		For Installation On Exposed Surface, Deduct	*-609.45*	
		For Work In Restricted Working Space, Add	*914.18*	
26 05 19 16-0770	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	10,222.86	2,137.02
		For Installation On Exposed Surface, Deduct	*-712.34*	
		For Work In Restricted Working Space, Add	*1,068.51*	
26 05 19 16-0771	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,451.78	501.89
		For Installation On Exposed Surface, Deduct	*-167.30*	
		For Work In Restricted Working Space, Add	*250.94*	
26 05 19 16-0772	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	1,825.61	550.40
		For Installation On Exposed Surface, Deduct	*-183.35*	
		For Work In Restricted Working Space, Add	*275.03*	
26 05 19 16-0773	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,231.04	627.35
		For Installation On Exposed Surface, Deduct	*-209.12*	
		For Work In Restricted Working Space, Add	*313.68*	
26 05 19 16-0774	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	2,601.96	680.55
		For Installation On Exposed Surface, Deduct	*-226.85*	
		For Work In Restricted Working Space, Add	*340.28*	
26 05 19 16-0775	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	3,534.90	854.21
		For Installation On Exposed Surface, Deduct	*-284.73*	
		For Work In Restricted Working Space, Add	*427.10*	
26 05 19 16-0776	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	4,201.47	956.09
		For Installation On Exposed Surface, Deduct	*-318.70*	
		For Work In Restricted Working Space, Add	*478.04*	
26 05 19 16-0777	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	4,895.66	1,115.19
		For Installation On Exposed Surface, Deduct	*-371.73*	
		For Work In Restricted Working Space, Add	*557.60*	
26 05 19 16-0778	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	5,794.73	1,275.29
		For Installation On Exposed Surface, Deduct	*-425.10*	
		For Work In Restricted Working Space, Add	*637.64*	
26 05 19 16-0779	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	6,885.53	1,445.42
		For Installation On Exposed Surface, Deduct	*-481.81*	
		For Work In Restricted Working Space, Add	*722.72*	
26 05 19 16-0780	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	8,906.53	1,689.34
		For Installation On Exposed Surface, Deduct	*-563.11*	
		For Work In Restricted Working Space, Add	*844.67*	
26 05 19 16-0781	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	10,304.06	1,974.42
		For Installation On Exposed Surface, Deduct	*-658.14*	
		For Work In Restricted Working Space, Add	*987.21*	
26 05 19 16-0782	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	12,506.44	2,308.16
		For Installation On Exposed Surface, Deduct	*-769.39*	
		For Work In Restricted Working Space, Add	*1,154.08*	

26 05 19 16-0783 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0784 ACSR Cable *(26 05 19 16-0783)*

26 05 19 16-0785	MLF	#4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,173.87	415.57
26 05 19 16-0786	MLF	#4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,232.17	431.51
26 05 19 16-0787	MLF	#2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	1,303.78	448.12
26 05 19 16-0788	MLF	#2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,362.61	464.35
26 05 19 16-0789	MLF	#1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable	1,461.83	480.10
26 05 19 16-0790	MLF	#2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable	1,680.38	544.24
26 05 19 16-0791	MLF	#3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable	1,909.47	606.94
26 05 19 16-0792	MLF	#4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable	2,154.58	670.50
26 05 19 16-0793	MLF	#1 Bare Aluminum Wire	1,625.65	577.50
26 05 19 16-0794	MLF	336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable	2,639.08	861.68
26 05 19 16-0795	MLF	477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable	3,014.35	988.42

26 05 19 16-0796 All Aluminum Conductors *(26 05 19 16-0783)*

26 05 19 16-0797	MLF	795.0 ACSR Conductor Aluminum	22,290.14	8,121.19

26 05 19 16-0798 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0799 Bare Stranded Conductor *(26 05 19 16-0798)*

26 05 19 16-0800	MLF	#12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,029.26	352.10
26 05 19 16-0801	MLF	#10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,191.36	383.79
26 05 19 16-0802	MLF	#8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,354.49	415.86
26 05 19 16-0803	MLF	#6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,628.30	448.12
26 05 19 16-0804	MLF	#4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,947.29	480.49
26 05 19 16-0805	MLF	#2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,732.28	576.31
26 05 19 16-0806	MLF	#1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,128.59	640.17
26 05 19 16-0807	MLF	#1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,556.26	702.86
26 05 19 16-0808	MLF	#2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,714.16	833.64
26 05 19 16-0809	MLF	#3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,693.69	958.47
26 05 19 16-0810	MLF	#4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,140.32	1,086.27
26 05 19 16-0811	MLF	250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	7,724.45	1,280.23
26 05 19 16-0812	MLF	300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	7,920.85	1,347.63

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0813	MLF	350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	9,751.90	1,411.30
26 05 19 16-0814	MLF	400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,730.97	1,469.20
26 05 19 16-0815	MLF	500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	12,418.63	1,531.89

26 05 19 16-0816 Insulated Stranded Conductor *(26 05 19 16-0798)*

26 05 19 16-0817	MLF	#12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,098.34	352.10
26 05 19 16-0818	MLF	#10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,280.50	383.79
26 05 19 16-0819	MLF	#8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,530.45	415.86
26 05 19 16-0820	MLF	#6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,661.61	448.12
26 05 19 16-0821	MLF	#4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,998.11	480.49
26 05 19 16-0822	MLF	#2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,658.89	576.31
26 05 19 16-0823	MLF	#1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,121.27	640.17
26 05 19 16-0824	MLF	#1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,658.45	702.86
26 05 19 16-0825	MLF	#2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,400.37	833.64
26 05 19 16-0826	MLF	#3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,256.29	958.47
26 05 19 16-0827	MLF	#4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	6,174.44	1,086.27
26 05 19 16-0828	MLF	250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,515.68	1,280.23
26 05 19 16-0829	MLF	300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,473.48	1,347.63
26 05 19 16-0830	MLF	350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,258.94	1,411.30
26 05 19 16-0831	MLF	400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,322.23	1,469.20
26 05 19 16-0832	MLF	500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	11,549.26	1,531.89

26 05 19 16-0833 Bare Solid Conductor *(26 05 19 16-0798)*

26 05 19 16-0834	MLF	#12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,029.26	352.10
26 05 19 16-0835	MLF	#8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,354.49	415.86
26 05 19 16-0836	MLF	#6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,628.30	448.12
26 05 19 16-0837	MLF	#4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,926.29	480.49

26 05 19 23 Manufactured Wiring Assemblies *(26 05 19)*

26 05 19 23-0001 Festoon Cable Systems Complete System *(26 05 19 23)*

26 05 19 23-0002 Components *(26 05 19 23-0001)*

26 05 19 23-0003	LF	20' C Channel Type Track, Galvanized Steel Festoon Cable System Components	12.40	5.49
26 05 19 23-0004	EA	Channel Track Hanger, Plated Steel Festoon Cable System Components	49.24	20.13
26 05 19 23-0005	EA	Channel Track Joint Clamp Assembly Festoon Cable System Components	40.47	20.13
26 05 19 23-0006	EA	End Stop For Channel Track Festoon Cable System Components	10.31	4.58
26 05 19 23-0007	EA	End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	51.57	22.88
26 05 19 23-0008	EA	Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	46.35	1.83
26 05 19 23-0009	EA	Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	53.09	1.83
26 05 19 23-0010	EA	J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	306.35	114.37
26 05 19 23-0011	EA	Watertight Connector For Flat Cable Festoon Cable System Components	28.02	9.16

26 05 19 23-0012 Cable *(26 05 19 23-0001)*

26 05 19 23-0013	LF	12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.33	1.83
26 05 19 23-0014	LF	12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.83	1.83
26 05 19 23-0015	LF	8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.82	1.83
26 05 19 23-0016	LF	8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.86	1.83
26 05 19 23-0017	LF	7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.39	1.83
26 05 19 23-0018	LF	4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.85	1.83
26 05 19 23-0019	LF	4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.12	1.83

26 05 19 23-0020 Complete Systems *(26 05 19 23-0001)*

26 05 19 23-0021	EA	Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.	5,124.78	1,829.93

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For Sound System *(26 05 23)*

26 05 23 00-0002 Shielded Conductors *(26 05 23 00-0001)*

Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.

26 05 23 00-0003	MLF	1 Pair #20 AWG Sound System, Placed In Conduit, Shielded	742.07	334.59
26 05 23 00-0004	MLF	1 Pair #14 AWG Sound System, Placed In Conduit, Shielded	1,123.22	334.59
26 05 23 00-0005	MLF	3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	952.29	198.30
26 05 23 00-0006	MLF	6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	999.83	202.76

26 05 23 00-0007 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts *(26 05 23 00-0007)*

Note: For surface or conduit installation.

26 05 23 00-0009	MLF	#20/2 Conductor, Low Volt Thermostat Cable	342.48	106.65

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0010	MLF	#20/3 Conductor, Low Volt Thermostat Cable	386.11	112.34
26 05 23 00-0011	MLF	#20/4 Conductor, Low Volt Thermostat Cable	416.92	118.78
26 05 23 00-0012	MLF	#20/5 Conductor, Low Volt Thermostat Cable	489.38	123.80
26 05 23 00-0013	MLF	#20/6 Conductor, Low Volt Thermostat Cable	512.03	129.65
26 05 23 00-0014	MLF	#20/7 Conductor, Low Volt Thermostat Cable	560.36	135.04
26 05 23 00-0015	MLF	#20/8 Conductor, Low Volt Thermostat Cable	602.77	140.45
26 05 23 00-0016	MLF	#20/9 Conductor, Low Volt Thermostat Cable	651.08	146.05
26 05 23 00-0017	MLF	#20/10 Conductor, Low Volt Thermostat Cable	696.98	150.43
26 05 23 00-0018	MLF	#18/2 Conductor, Low Volt Thermostat Cable	367.16	106.65
26 05 23 00-0019	MLF	#18/3 Conductor, Low Volt Thermostat Cable	430.13	112.34
26 05 23 00-0020	MLF	#18/4 Conductor, Low Volt Thermostat Cable	486.76	118.78
26 05 23 00-0021	MLF	#18/5 Conductor, Low Volt Thermostat Cable	518.21	123.80
26 05 23 00-0022	MLF	#18/6 Conductor, Low Volt Thermostat Cable	569.95	129.65
26 05 23 00-0023	MLF	#18/7 Conductor, Low Volt Thermostat Cable	586.95	135.04
26 05 23 00-0024	MLF	#18/8 Conductor, Low Volt Thermostat Cable	643.35	140.45
26 05 23 00-0025	MLF	#18/9 Conductor, Low Volt Thermostat Cable	748.45	146.05
26 05 23 00-0026	MLF	#18/10 Conductor, Low Volt Thermostat Cable	817.08	150.43

26 05 26 Grounding And Bonding For Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	445.67	172.68
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	580.84	172.68
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	716.71	208.00
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	969.69	208.00
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,287.93	251.18
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	2,000.96	251.18
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	2,309.39	302.19
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	2,706.73	302.19
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	3,770.61	380.68
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	4,637.51	380.68
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	4,934.37	506.27
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	6,311.81	506.27
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	6,341.95	584.76
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	8,507.22	584.76
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	11,587.53	722.12

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	808.95	235.47
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	868.64	235.47
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,107.24	235.47
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,263.27	408.16
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	1,696.49	408.16
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	2,381.15	408.16
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	2,870.54	714.27
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	3,494.78	714.27
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	4,084.70	714.27
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	4,851.20	714.27
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	5,709.27	934.05
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	6,884.62	934.05
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	8,005.69	934.05
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	9,403.30	1,452.09
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	12,238.70	1,452.09

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	445.67	172.68
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	580.84	172.68
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	716.71	208.00
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	969.69	208.00
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,287.93	251.18
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	2,000.96	251.18
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,706.73	302.19
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	4,934.37	400.30

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	503.16	208.00
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	550.22	208.00
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	622.98	251.18
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	770.43	251.18
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	880.03	302.19
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,007.85	302.19
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,148.65	380.68
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,316.51	380.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,568.92	506.27
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	1,752.02	506.27
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,063.87	584.76
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,331.14	584.76
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	2,748.20	722.12
26 05 26 00-0058		**Aluminum Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	503.16	208.00
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	550.22	208.00
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	622.98	251.18
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	770.43	251.18
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	848.35	400.30
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,007.85	400.30
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,070.19	380.68
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,158.51	380.68
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,568.92	506.27
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	1,752.02	506.27
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,063.87	584.76
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,331.14	584.76
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	2,748.20	722.12
26 05 26 00-0072		**Aluminum Smooth Woven Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.03	0.63
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.23	0.69
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.64	0.79
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.67	0.81
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.79	0.85
26 05 26 00-0078		**Copper Flexible Braid Connector Jumper Strap** *(26 05 26 00-0001)* Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079	EA	100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	102.34	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 05 26 00-0080	EA	225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	175.16	27.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 05 26 00-0081	EA	225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	223.31	27.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 05 26 00-0082	EA	225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	270.81	27.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 05 26 00-0083	EA	400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	235.50	29.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.59*	
26 05 26 00-0084	EA	400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	304.77	29.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.59*	
26 05 26 00-0085	EA	400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	364.96	29.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.59*	
26 05 26 00-0086	EA	600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	305.72	37.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.64*	
26 05 26 00-0087	EA	800 Amp, Copper Flexible Braid Jumper Strap, 12" Length	367.70	45.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 05 26 00-0088		**Bonding Jumper For Metallic Conduit** *(26 05 26 00-0001)*		
26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit	138.50	50.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.59*	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit	170.63	50.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.19*	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit	248.14	77.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.59*	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper - Metallic Conduit	364.84	77.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.83*	
26 05 26 00-0093		**Ground Rods** *(26 05 26)*		
26 05 26 00-0094		**Copper-Clad Ground Rods** *(26 05 26 00-0093)*		
26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	82.87	68.62
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	87.05	68.62
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	103.92	68.62
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	97.88	68.62
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	103.10	68.62
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	124.19	68.62
26 05 26 00-0101		**Copper Grounding Shaft** *(26 05 26 00-0093)*		
26 05 26 00-0102	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	198.45	68.62
26 05 26 00-0103	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	243.36	68.62
26 05 26 00-0104	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	359.47	68.62

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0105		Ground Access Wells *(26 05 26 00-0093)*		
26 05 26 00-0106		Precast Ground Access Wells *(26 05 26 00-0105)*		
26 05 26 00-0107	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	177.92	
26 05 26 00-0108	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	185.73	
26 05 26 00-0109	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	499.45	
26 05 26 00-0110	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	507.27	
26 05 26 00-0111		Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0105)*		
26 05 26 00-0112	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	420.68	
26 05 26 00-0113	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	495.05	
26 05 26 00-0114	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	923.31	
26 05 26 00-0115	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	401.90	
26 05 26 00-0116	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	294.48	
26 05 26 00-0117	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	885.26	
26 05 26 00-0118	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	223.46	
26 05 26 00-0119	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	238.98	
26 05 26 00-0120	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	252.57	
26 05 26 00-0121	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	170.91	
26 05 26 00-0122	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	254.12	
26 05 26 00-0123	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	451.06	
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	600.57	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	362.06	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	527.84	
26 05 26 00-0127	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	559.86	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	681.97	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	299.73	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	526.82	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	567.33	
26 05 26 00-0132		Polymer Concrete Ground Access Well *(26 05 26 00-0105)*		
26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	317.93	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	347.55	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	349.51	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	382.05	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	382.26	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	418.00	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	505.43	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	553.98	
26 05 26 00-0141		High Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0105)*		
26 05 26 00-0142	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	122.67	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	169.19	
26 05 26 00-0144		Ground Rod Clamps And Fittings *(26 05 26)*		
26 05 26 00-0145		Bronze Ground Rod Clamp *(26 05 26 00-0144)*		
26 05 26 00-0146	EA	1/2" Bronze Ground Rod Clamp	19.65	10.34
26 05 26 00-0147	EA	5/8" Bronze Ground Rod Clamp	20.70	10.34
26 05 26 00-0148	EA	3/4" Bronze Ground Rod Clamp	22.20	10.34
26 05 26 00-0149		Bronze Pipe Clamps *(26 05 26 00-0144)*		
26 05 26 00-0150	EA	1/2" To 1" Bronze Pipe Ground Clamps	24.51	17.20

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0151	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	31.07	20.58
26 05 26 00-0152	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	45.60	24.06
26 05 26 00-0153	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	55.92	30.92
26 05 26 00-0154	EA	4" To 6" Bronze Ground Clamps For Pipe	85.35	44.65
26 05 26 00-0155		**Grounding Fittings** *(26 05 26 00-0144)*		
26 05 26 00-0156		**Embedded Fittings** *(26 05 26 00-0155)*		
26 05 26 00-0157	EA	Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	132.49	
26 05 26 00-0158	EA	Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	142.03	
26 05 26 00-0159	EA	Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded	158.97	
26 05 26 00-0160	EA	#8 - 1 AWG, Copper To Aluminum, Grounding Wire Splice	122.67	
26 05 26 00-0161	EA	1/0 - 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	146.93	
26 05 26 00-0162	EA	4/0 - 300 MCM, Copper To Aluminum, Grounding Wire Splice	172.56	
26 05 26 00-0163	EA	350 MCM And Up, Copper To Aluminum, Grounding Wire Splice	195.01	
26 05 26 00-0164		**Ground Rod Receptacle** *(26 05 26 00-0155)*		
26 05 26 00-0165	EA	1/2" Ground Rod Receptacle	287.56	95.15
26 05 26 00-0166	EA	5/8" Ground Rod Receptacle	301.43	97.84
26 05 26 00-0167	EA	3/4" Ground Rod Receptacle	315.57	100.50
26 05 26 00-0168		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0155)*		
26 05 26 00-0169	EA	14-8 AWG Copper Ground Kit	63.74	22.88
26 05 26 00-0170	EA	12-8 AWG Aluminum Ground Kit	58.52	22.88
26 05 26 00-0171	EA	14-4 AWG Copper Ground Kit	71.76	22.88
26 05 26 00-0172	EA	12-4 AWG Aluminum Ground Kit	67.46	22.88
26 05 26 00-0173		**Insulated Grounding Bars** *(26 05 26 00-0144)*		
26 05 26 00-0174	EA	Insulated Ground Bar 1/2" x 4" x 10"	278.48	22.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.17*	
26 05 26 00-0175	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	293.99	22.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.17*	
26 05 26 00-0176		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0177		**Ground Conductor Bonding** *(26 05 26 00-0176)*		
26 05 26 00-0178		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0177)*		
26 05 26 00-0179	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	112.83	
26 05 26 00-0180	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	121.97	
26 05 26 00-0181	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	131.13	
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	186.02	
26 05 26 00-0183		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0177)*		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	126.55	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	144.85	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	176.88	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	213.47	
26 05 26 00-0188		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0189		**Special Grounding Equipment** *(26 05 26 00-0188)*		
26 05 26 00-0190		**Ground Reels And Ground Bus** *(26 05 26 00-0189)*		
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable	690.76	
26 05 26 00-0192		**Copper Bars** *(26 05 26 00-0189)*		
26 05 26 00-0193	LF	1/4" x 2" Copper Bar	39.25	
26 05 26 00-0194		**Phenolic Insulators** *(26 05 26 00-0189)*		
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators	25.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0196		Grounding Studs *(26 05 26 00-0189)*		
26 05 26 00-0197	EA	Ball Grounding Stud	36.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.20*	
26 05 26 00-0198		Equipment Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit	29.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit	37.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit	44.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit	79.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 26 00-0203		Panelboard Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0204	EA	Panelboard Ground Bar Kit	119.18	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 26 00-0205		Circuit Breaker Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit	24.52	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit	24.02	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit	24.85	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit	28.17	4.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit	32.17	5.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.22*	
26 05 26 00-0211	EA	24 Circuit, Ground Bar Kit	35.49	5.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 26 00-0212	EA	30 Circuit, Ground Bar Kit	39.55	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 26 00-0213	EA	54 Circuit, Ground Bar Kit	45.71	7.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 05 26 00-0214	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	52.26	5.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 26 00-0215	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	57.65	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 26 00-0216	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	63.97	7.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	

26 05 29 Hangers And Supports For Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

26 05 29 00-0003 14 Gauge Metal Framing Channels *(26 05 29 00-0002)*

26 05 29 00-0004 14 Gauge, Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	15.02	5.02
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	15.83	5.02
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.09	1.88

26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.80	5.02
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.20	5.02
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	35.38	5.02
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	40.19	5.02
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	16.86	1.89
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	19.26	1.89

26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	35.17	5.02
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	56.13	5.02
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.23	1.89

26 05 29 00-0019 12 Gauge Metal Framing Channels *(26 05 29 00-0002)*

26 05 29 00-0020 12 Gauge, Steel Unistrut Channel *(26 05 29 00-0019)*

26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.83	5.02
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.56	5.02
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	15.38	5.02

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	17.44	5.02
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	16.90	5.02
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	16.54	5.02
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.90	1.88
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.63	1.88
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.45	1.88
26 05 29 00-0030		**12 Gauge, 304 Stainless Steel Unistrut Channel** *(26 05 29 00-0019)*		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.00	5.02
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.14	5.02
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	41.78	5.02
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	50.07	5.02
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	20.07	1.88
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	24.21	1.88
26 05 29 00-0037		**Metal Framing Channel Fittings** *(26 05 29 00-0001)*		
26 05 29 00-0038		**Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0037)*		
26 05 29 00-0039		**Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0038)*		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	3.67	0.46
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	10.25	4.59
26 05 29 00-0042		**Stainless Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0038)*		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	15.36	4.59
26 05 29 00-0044		**Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0045		**Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0044)*		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	3.90	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	3.88	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.59	
26 05 29 00-0049		**Stainless Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0044)*		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	11.86	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.50	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	22.27	
26 05 29 00-0053		**90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0054		**Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0053)*		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.79	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.27	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.22	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.16	
26 05 29 00-0059		**Stainless Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0053)*		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.92	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	8.57	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	7.32	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	10.27	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.41	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	17.11	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.88	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.19	
26 05 29 00-0068		**60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0069		**Steel 60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	7.21	
26 05 29 00-0071		**U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0072		**Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0071)*		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	2.93	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	3.20	
26 05 29 00-0075		**Stainless Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0071)*		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	14.09	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	7.39	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	27.12	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.52	1.37
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.53	1.37
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.59	1.37
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.58	1.84
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.90	1.84
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.93	1.84
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.08	2.29
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.36	2.29
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.63	2.29
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.72	2.29
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.78	1.37
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.40	1.37
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.03	1.37
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.77	1.84
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.52	1.84
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.97	1.84
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.21	2.29
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.77	2.29
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.44	2.29
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.90	2.29
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.16	1.37
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.05	1.37
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.30	1.37
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.89	1.84
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.95	1.84
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.10	1.84
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.39	2.29
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.18	2.29
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.81	2.29
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	24.25	2.29
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	24.80	8.37
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	18.60	8.37
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	24.18	8.37
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	35.36	8.37
26 05 29 00-0123		Square Washers For Unistrut Channel *(26 05 29 00-0037)*		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	2.82	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.53	
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	4.39	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0129		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	19.26	
26 05 29 00-0131		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel	24.18	
26 05 29 00-0133		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0134		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.66	
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.04	
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.32	
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	7.85	
26 05 29 00-0139		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.28	
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.86	
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.89	
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	24.63	
26 05 29 00-0144		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*		
		Note: Includes hex bolt.		
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.67	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.09	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.34	
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	8.30	
26 05 29 00-0150		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*		
		Note: Includes hex bolt.		
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.70	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.04	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.75	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	24.02	
26 05 29 00-0155		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0156		Galvanized Steel Mounting Assemblies *(26 05 29 00-0155)*		
26 05 29 00-0157		Galvanized Steel Back Plate *(26 05 29 00-0156)*		
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	266.48	54.90
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	69.44	18.30
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	175.34	45.75
26 05 29 00-0161		Aluminum Mounting Assemblies *(26 05 29 00-0155)*		
26 05 29 00-0162		Aluminum Back Plate *(26 05 29 00-0161)*		
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate	264.58	68.62
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate	700.62	68.62
26 05 29 00-0165		Supports *(26 05 29)*		
26 05 29 00-0166		One Hole Steel Conduit Straps *(26 05 29 00-0165)*		
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	3.28	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	3.32	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap	3.52	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap	3.67	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap	3.77	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap	4.39	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap	5.01	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap	5.22	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.11*	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap	6.26	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.21*	
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap	7.08	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.29*	

26 05 29 00-0177 One Hole Iron Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap	3.38	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0179	EA	3/4", One Hole Iron Conduit Strap	3.48	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0180	EA	1", One Hole Iron Conduit Strap	3.65	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0181	EA	1-1/4", One Hole Iron Conduit Strap	4.08	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0182	EA	1-1/2", One Hole Iron Conduit Strap	4.25	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0183	EA	2", One Hole Iron Conduit Strap	5.34	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0184	EA	2-1/2", One Hole Iron Conduit Strap	7.68	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.35*	
26 05 29 00-0185	EA	3", One Hole Iron Conduit Strap	9.63	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0186	EA	3-1/2", One Hole Iron Conduit Strap	12.48	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.83*	
26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	23.90	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.98*	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	30.03	
		For Work In Restricted Working Space, Add	*0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.62*	
		For >500, Deduct	*-3.59*	

26 05 29 00-0189 Two Hole Steel Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	3.75	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	3.82	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	3.85	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.05*	
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	3.90	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	3.94	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0195	EA	2", Two Hole Steel Conduit Strap	4.02	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0196	EA	2-1/2", Two Hole Steel Conduit Strap	4.49	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.11*	
26 05 29 00-0197	EA	3", Two Hole Steel Conduit Strap	4.59	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0198	EA	3-1/2", Two Hole Steel Conduit Strap	4.96	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0199	EA	4", Two Hole Steel Conduit Strap	5.21	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0200	EA	5", Two Hole Steel Conduit Strap	5.55	
		For Work In Restricted Working Space, Add	*0.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.22*	

26 05 29 00-0201 Clamp Back Spacers *(26 05 29 00-0165)*

26 05 29 00-0202	EA	1/2" Conduit, Clamp Back Spacer	2.81	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0203	EA	3/4" Conduit, Clamp Back Spacer	2.98	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0204	EA	1" Conduit, Clamp Back Spacer	3.13	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.77*	
26 05 29 00-0205	EA	1-1/4" Conduit, Clamp Back Spacer	3.73	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0206	EA	1-1/2" Conduit, Clamp Back Spacer	4.22	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.88*	
26 05 29 00-0207	EA	2" Conduit, Clamp Back Spacer	4.73	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0208	EA	2-1/2" Conduit, Clamp Back Spacer	6.80	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0209	EA	3" Conduit, Clamp Back Spacer	9.28	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0210	EA	3-1/2" Conduit, Clamp Back Spacer	11.68	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.62*	
26 05 29 00-0211	EA	4" Conduit, Clamp Back Spacer	22.96	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.75*	
26 05 29 00-0212	EA	5" Conduit, Clamp Back Spacer	42.01	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.67*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.66*	

26 05 29 00-0213 Conduit Clips *(26 05 29 00-0165)*

Note: Push in or clip.

26 05 29 00-0214	EA	1/2" Conduit Clip	3.57	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0215	EA	3/4" Conduit Clip	3.57	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0216	EA	1" Conduit Clip	3.52	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0217	EA	1-1/4" Conduit Clip	3.64	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.83*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.95*	

26 05 29 00-0218 Bolt And Nut Conduit Clips *(26 05 29 00-0165)*

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.43	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.02*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.56	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.02*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.19*	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.86	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.07*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.93	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.07*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.40	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	10.65	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-1.98*	

26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0165)*

Note: Bat wing.

26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	2.59	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.65*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	2.62	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.65*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0230	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.72	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.65*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.71*	
26 05 29 00-0231	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.95	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.65*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	

26 05 29 00-0232 Beam Flange Clamps *(26 05 29 00-0165)*

Note: For threaded rod, nut not required.

26 05 29 00-0233	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.60	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.82*	
26 05 29 00-0234	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.54	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0235	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.91	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.85*	

26 05 29 00-0236 T-Bar Support Clips *(26 05 29 00-0165)*

26 05 29 00-0237	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	6.18	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0238	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	5.90	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0239	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.12	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.30*	
		For >500, Deduct	*-0.44*	
26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	15.98	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-1.96*	

26 05 29 00-0241 Switch And Outlet Box Type Supports *(26 05 29 00-0165)*

26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.25	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.79*	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	3.65	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.16	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.78*	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.80	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.91	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.66*	

26 05 29 00-0247 Lighting Fixture Hanger *(26 05 29 00-0165)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.24	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	13.07	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.04*	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	17.71	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.50*	

26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0165)*

26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.52	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*0.83*	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.53	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*0.83*	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.59	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*0.83*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.58	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.90	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.93	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.07	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*1.37*	
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.35	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.55*	
		For Work In Restricted Working Space, Add	*1.37*	
26 05 29 00-0260	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.62	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*1.37*	
26 05 29 00-0261	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.71	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*1.37*	

26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0165)*

26 05 29 00-0263	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.72	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
		For Work In Restricted Working Space, Add	*0.83*	
26 05 29 00-0264	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.70	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
		For Work In Restricted Working Space, Add	*0.83*	
26 05 29 00-0265	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.66	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
		For Work In Restricted Working Space, Add	*0.83*	
26 05 29 00-0266	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.83	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0267	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.38	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0268	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.41	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*1.10*	

26 05 29 00-0269 "J" Type Conduit Hangers *(26 05 29 00-0165)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	16.14	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	16.31	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.91*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	17.38	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*2.19*	
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	17.56	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.22*	
		For Work In Restricted Working Space, Add	*2.19*	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	18.61	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.51*	
		For Work In Restricted Working Space, Add	*2.47*	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	19.30	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-3.58*	
		For Work In Restricted Working Space, Add	*2.47*	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	30.10	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.84*	
		For Work In Restricted Working Space, Add	*2.75*	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	32.06	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.66*	
		For >500, Deduct	*-5.22*	
		For Work In Restricted Working Space, Add	*3.02*	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	34.54	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.96*	
		For >500, Deduct	*-5.65*	
		For Work In Restricted Working Space, Add	*3.29*	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	45.27	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.77*	
		For >500, Deduct	*-6.72*	
		For Work In Restricted Working Space, Add	*3.29*	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	49.70	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.21*	
		For >500, Deduct	*-7.35*	
		For Work In Restricted Working Space, Add	*3.57*	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	69.52	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.93*	
		For >500, Deduct	*-9.70*	
		For Work In Restricted Working Space, Add	*4.12*	

26 05 29 00-0282 Between Studs Box Brackets *(26 05 29 00-0165)*

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.91	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*0.83*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	7.00	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*0.83*	

26 05 29 00-0285 Hangers And Brackets *(26 05 29 00-0165)*

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.24	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.18	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.18	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.84	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.85	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.78	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.84	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.85	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	

26 05 29 00-0294 Clips And Accessories *(26 05 29 00-0165)*

26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.50	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.38*	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.53	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.38*	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.63	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.39*	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.83	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.41*	

26 05 29 00-0299 Wire Ties *(26 05 29 00-0165)*

Note: Per hundred (C).

26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.67	
		For UV Black, Add	*0.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.80	
		For UV Black, Add	*0.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.88	
		For UV Black, Add	*0.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.92	
		For UV Black, Add	*0.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.38	
		For UV Black, Add	*0.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties	16.48	
		For UV Black, Add	*0.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.13*	
26 05 29 00-0306	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	16.04	
		For UV Black, Add	*0.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 29 00-0307	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties	16.52	
		For UV Black, Add	*0.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 29 00-0308	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties	17.00	
		For UV Black, Add	*0.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.13*	
26 05 29 00-0309	C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties	26.41	
		For UV Black, Add	*2.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 29 00-0310	C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	27.79	
		For UV Black, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 29 00-0311	C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties	17.96	
		For UV Black, Add	*1.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.13*	
26 05 29 00-0312	C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties	16.75	
		For UV Black, Add	*0.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.13*	
26 05 29 00-0313	C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties	26.79	
		For UV Black, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 29 00-0314	C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	31.06	
		For UV Black, Add	*2.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 29 00-0315	C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties	30.95	
		For UV Black, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.13*	
26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	33.96	
		For UV Black, Add	*3.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	41.82	
		For UV Black, Add	*4.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	61.69	
		For UV Black, Add	*7.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.82*	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	59.60	
		For UV Black, Add	*7.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.82*	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	73.56	
		For UV Black, Add	*9.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	85.78	
		For UV Black, Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	119.40	
		For UV Black, Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts	30.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.59*	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw	59.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.18*	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.14*	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	1.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	59.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.86*	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts *(26 05 29 00-0330)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.18	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.40*	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.37	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.48*	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.80	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.59*	
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.00	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.68*	
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.18	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.76*	
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.37	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.95*	
26 05 29 00-0338	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.77	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.85*	
		For >500, Deduct	*-4.06*	

26 05 29 00-0339 Machine Screws *(26 05 29 00-0330)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.11	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.15	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.70	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.29*	
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.84	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.51	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.57*	

26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0330)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.56	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.51	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.05	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.49	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.07*	

26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0330)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.64	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.68	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.20	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.23*	

26 05 29 00-0354 Hollow Wall Screw Anchors *(26 05 29 00-0330)*

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.55	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.60	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.69	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.66*	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.16	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.78*	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.27	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.31	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.33	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.50	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.82*	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.56	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.82*	

26 05 29 00-0364 Lead Screw Anchors *(26 05 29 00-0330)*

Note: Includes screw.

26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.56	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.60*	

copyright 2018 The Gordian Group, Inc.

	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0366		EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.25	
			For >50 To 100, Deduct	*-0.38*	
			For >100 To 250, Deduct	*-0.75*	
			For >250 To 500, Deduct	*-1.31*	
			For >500, Deduct	*-1.87*	
26 05 29 00-0367		EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.79	
			For >50 To 100, Deduct	*-0.49*	
			For >100 To 250, Deduct	*-0.98*	
			For >250 To 500, Deduct	*-1.70*	
			For >500, Deduct	*-2.42*	

26 05 29 00-0368 Acoustical T-Bar Clips *(26 05 29 00-0330)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0369		EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	5.10	
			For >50 To 100, Deduct	*-0.42*	
			For >100 To 250, Deduct	*-0.84*	
			For >250 To 500, Deduct	*-1.46*	
			For >500, Deduct	*-2.07*	
26 05 29 00-0370		EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	5.34	
			For >50 To 100, Deduct	*-0.44*	
			For >100 To 250, Deduct	*-0.88*	
			For >250 To 500, Deduct	*-1.53*	
			For >500, Deduct	*-2.17*	
26 05 29 00-0371		EA	1" Conduit, Push-In Acoustical T-Bar Clip	5.77	
			For >50 To 100, Deduct	*-0.47*	
			For >100 To 250, Deduct	*-0.94*	
			For >250 To 500, Deduct	*-1.62*	
			For >500, Deduct	*-2.31*	

26 05 29 00-0372 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0373 Threaded Rod And Rod Accessories *(26 05 29 00-0372)*

26 05 29 00-0374 Carbon Steel Threaded Rod *(26 05 29 00-0373)*

Note: Includes plain finish.

26 05 29 00-0375		LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.56	0.58
			For Galvanized, Add	*0.57*	
			For Zinc Coated, Add	*0.40*	
26 05 29 00-0376		LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.46	0.61
			For Galvanized, Add	*0.90*	
			For Zinc Coated, Add	*0.64*	
26 05 29 00-0377		LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.75	0.63
			For Galvanized, Add	*1.40*	
			For Zinc Coated, Add	*0.99*	
26 05 29 00-0378		LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.65	0.65
			For Galvanized, Add	*2.54*	
			For Zinc Coated, Add	*1.81*	
26 05 29 00-0379		LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.32	0.67
			For Galvanized, Add	*2.79*	
			For Zinc Coated, Add	*1.99*	
26 05 29 00-0380		LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.32	0.76
			For Galvanized, Add	*3.92*	
			For Zinc Coated, Add	*2.79*	
26 05 29 00-0381		LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.05	0.84
			For Galvanized, Add	*4.94*	
			For Zinc Coated, Add	*3.52*	

26 05 29 00-0382 Threaded Rod Couplings *(26 05 29 00-0373)*

26 05 29 00-0383	EA	3/8" Diameter, Threaded Rod Coupling Nut	7.51	
26 05 29 00-0384	EA	1/2" Diameter, Threaded Rod Coupling Nut	8.54	
26 05 29 00-0385	EA	5/8" Diameter, Threaded Rod Coupling Nut	10.76	
26 05 29 00-0386	EA	3/4" Diameter, Threaded Rod Coupling Nut	13.21	
26 05 29 00-0387	EA	7/8" Diameter, Threaded Rod Coupling Nut	19.67	
26 05 29 00-0388	EA	1" Diameter, Threaded Rod Coupling Nut	23.34	
26 05 29 00-0389	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	45.50	

26 05 29 00-0390 Flat Washers *(26 05 29 00-0373)*

26 05 29 00-0391		EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.64	0.23
			For Galvanized, Add	*0.03*	
26 05 29 00-0392		EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.84	0.23
			For Galvanized, Add	*0.07*	
26 05 29 00-0393		EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.11	0.23
			For Galvanized, Add	*0.13*	
26 05 29 00-0394		EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.37	0.46
			For Galvanized, Add	*0.19*	
26 05 29 00-0395		EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.55	0.46
			For Galvanized, Add	*0.22*	
26 05 29 00-0396		EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.84	0.46
			For Galvanized, Add	*0.27*	
26 05 29 00-0397		EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.07	0.46
			For Galvanized, Add	*0.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0398		**Malleable Iron Eye Sockets** *(26 05 29 00-0373)*		
		Note: Type 16.		
26 05 29 00-0399	EA	3/8" Rod Size, Malleable Iron Eye Socket	7.13	
26 05 29 00-0400	EA	1/2" Rod Size, Malleable Iron Eye Socket	8.46	
26 05 29 00-0401	EA	5/8" Rod Size, Malleable Iron Eye Socket	14.19	
26 05 29 00-0402	EA	3/4" Rod Size, Malleable Iron Eye Socket	19.94	
26 05 29 00-0403	EA	7/8" Rod Size, Malleable Iron Eye Socket	21.31	
26 05 29 00-0404		**Hex Nuts** *(26 05 29 00-0373)*		
26 05 29 00-0405	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.23
		For Galvanized, Add	*0.03*	
26 05 29 00-0406	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.23
		For Galvanized, Add	*0.06*	
26 05 29 00-0407	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.23
		For Galvanized, Add	*0.13*	
26 05 29 00-0408	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.32	0.46
		For Galvanized, Add	*0.17*	
26 05 29 00-0409	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.97	0.46
		For Galvanized, Add	*0.33*	
26 05 29 00-0410	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.53	0.46
		For Galvanized, Add	*0.44*	
26 05 29 00-0411	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.19	0.46
		For Galvanized, Add	*0.84*	
26 05 29 00-0412		**Forged Steel Turnbuckles** *(26 05 29 00-0373)*		
		Note: Type 13.		
26 05 29 00-0413	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	17.96	
26 05 29 00-0414	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	21.88	
26 05 29 00-0415	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	28.67	
26 05 29 00-0416	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	35.17	
26 05 29 00-0417	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	81.81	
26 05 29 00-0418	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	56.74	
26 05 29 00-0419	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	110.18	
26 05 29 00-0420		**Attachments** *(26 05 29 00-0372)*		
26 05 29 00-0421		**Welded Beam Attachments** *(26 05 29 00-0420)*		
		Note: Type 22.		
26 05 29 00-0422	EA	3/8" Rod Size, Welded Beam Attachment	33.40	9.15
26 05 29 00-0423	EA	1/2" Rod Size, Welded Beam Attachment	35.54	9.61
26 05 29 00-0424	EA	5/8" Rod Size, Welded Beam Attachment	37.78	10.16
26 05 29 00-0425	EA	3/4" Rod Size, Welded Beam Attachment	46.80	10.79
26 05 29 00-0426	EA	7/8" Rod Size, Welded Beam Attachment	55.23	11.43
26 05 29 00-0427	EA	1" Rod Size, Welded Beam Attachment	75.52	13.09
26 05 29 00-0428	EA	1-1/8" Rod Size, Welded Beam Attachment	103.91	13.73
26 05 29 00-0429		**C-Clamp Style Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	13.30	6.87
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	15.41	7.33
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	17.25	7.86
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	21.31	8.46
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	29.28	9.16
26 05 29 00-0435		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	31.48	9.16
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	44.44	10.00
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	61.75	11.00
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	73.42	12.21
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	169.41	13.75
26 05 29 00-0441		**Steel U-Bolts** *(26 05 29 00-0420)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	10.78	5.50
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	11.61	5.79
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	12.44	6.11
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	13.88	6.47
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.43	6.87
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	15.43	7.33
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	20.81	7.86
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	22.84	8.46
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	27.03	9.16

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0451		Stainless Steel Threaded Rod *(26 05 29 00-0372)*		
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.24	0.46
		For 316 Stainless Steel, Add	*0.54*	
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.28	0.50
		For 316 Stainless Steel, Add	*0.92*	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.19	0.58
		For 316 Stainless Steel, Add	*1.24*	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.71	0.59
		For 316 Stainless Steel, Add	*1.83*	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.79	0.61
		For 316 Stainless Steel, Add	*2.26*	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.03	0.62
		For 316 Stainless Steel, Add	*3.56*	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.92	0.63
		For 316 Stainless Steel, Add	*5.13*	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.03	0.65
		For 316 Stainless Steel, Add	*7.18*	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	24.43	0.76
		For 316 Stainless Steel, Add	*9.27*	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	51.34	0.91
		For 316 Stainless Steel, Add	*20.02*	
26 05 29 00-0462		Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463		Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0462)*		
26 05 29 00-0464		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0463)*		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.54	18.30
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	58.15	19.95
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.77	21.95
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.89	24.43
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.83	27.45
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.92	30.19
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	114.78	32.94
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	126.65	35.68
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	133.44	38.43
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.39	41.17
26 05 29 00-0475		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0463)*		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.99	18.30
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.17	19.95
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.80	21.95
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.10	24.43
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.07	27.45
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	102.80	30.19
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	118.81	32.94
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	131.98	35.68
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.15	38.43
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	145.28	41.17
26 05 29 00-0486		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0463)*		
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.43	18.12
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	58.42	19.76
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.31	21.95
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.45	24.16
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.84	27.45
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	113.80	30.19
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Conduit Straps *(26 05 29 00-0462)*		
26 05 29 00-0494		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0493)*		
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.24	0.55
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.88	0.55
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.69	0.55
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.26	0.55
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.84	0.55
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.40	0.55
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	37.90	0.55
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	50.85	0.55
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	90.15	0.55
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	95.82	0.55
26 05 29 00-0505		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0493)*		
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.28	1.10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.35	1.10
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.73	1.10
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.65	1.10
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.18	1.10
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.07	1.10
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.87	1.10
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.03	1.10
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.82	1.10
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.22	1.10
26 05 29 00-0516		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0462)*		
26 05 29 00-0517		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0516)*		
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.91	1.10
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.09	1.10
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.10	1.10
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.41	1.10
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	30.16	1.10
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	35.74	1.10
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	74.70	1.10
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	102.17	1.10
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.17	1.10
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.17	1.10
26 05 29 00-0528		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories *(26 05 29 00-0462)*		
26 05 29 00-0529		Polyvinyl Chloride (PVC) Coated Threaded Rod *(26 05 29 00-0528)*		
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	8.93	0.73
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.01	0.82
26 05 29 00-0532		Attachments *(26 05 29 00-0462)*		
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts *(26 05 29 00-0532)*		
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.75	5.50
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.23	5.77
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.10	6.14
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.20	6.50
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.39	6.87
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.94	7.33
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	32.75	7.88
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	34.28	8.43
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	36.47	9.16
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	61.27	10.45
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	76.27	12.09
26 05 29 00-0545		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps *(26 05 29 00-0532)*		
26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	55.09	18.12
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	65.68	18.12
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	70.05	18.12
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	77.59	19.22
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	91.06	21.95
26 05 29 00-0551		Polyvinyl Chloride (PVC) Coated Pipe Straps *(26 05 29 00-0532)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.85	6.04
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.79	6.58
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	19.37	7.13
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	21.86	8.24
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.98	9.33
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.66	9.88
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.58	10.98
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.13	12.07
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	39.35	12.63
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	41.47	13.73
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.49	15.37
26 05 29 00-0563		Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0462)*		
26 05 29 00-0564	LF	Polyvinyl Chloride (PVC) Coated Channel, A12	16.59	2.75
26 05 29 00-0565	LF	Polyvinyl Chloride (PVC) Coated Channel, A12A	29.10	3.85
26 05 29 00-0566	LF	Polyvinyl Chloride (PVC) Coated Channel, A12P	17.66	2.75
26 05 29 00-0567	LF	Polyvinyl Chloride (PVC) Coated Channel, C14	13.28	2.75
26 05 29 00-0568	LF	Polyvinyl Chloride (PVC) Coated Channel, C14P	13.95	2.75
26 05 29 00-0569		Polymer Concrete Pads *(26 05 29)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Excludes excavation and backfill.		
26 05 29 00-0570		Polymer Concrete, Box Pads *(26 05 29 00-0569)*		
26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	803.31	94.37
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	828.70	94.37
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,062.06	94.37
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,100.75	94.37
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,026.05	94.37
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,208.77	94.37
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,348.87	94.37
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,304.43	117.97
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	1,959.06	117.97
26 05 29 00-0580	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,616.91	117.97
26 05 29 00-0581		Polymer Concrete, Telecommunications Equipment Pads *(26 05 29 00-0569)*		
26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	389.14	50.91
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	458.51	50.91
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	596.33	70.78
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	622.11	70.78
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	884.58	70.78
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	921.06	70.78
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	989.03	70.78
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	989.03	70.78
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,842.96	70.78
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	2,086.61	70.78
26 05 29 00-0592		Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0569)*		
26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	242.21	50.91
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	260.04	50.91
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	276.29	50.91
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	330.25	50.91
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	306.17	50.91
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	317.52	50.91
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	346.93	50.91
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	364.09	50.91
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	421.40	50.91
26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	515.81	50.91
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	758.13	70.78
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	792.64	70.78
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	803.52	70.78
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	876.05	70.78
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,846.23	70.78
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,171.19	70.78

26 05 33 Raceway And Boxes For Electrical Systems *(26 05)*

26 05 33 13 Conduit For Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies *(26 05 33 13)*
Note: With fittings and wire.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*
Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0591 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	663.58	204.44
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*175.26*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.10*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	724.74	222.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*190.31*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	785.91	239.57
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*205.37*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*2.19*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	699.71	213.22
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*182.79*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	774.74	233.71
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*200.35*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	779.82	230.79
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*197.84*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*2.87*	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	733.43	220.41
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*188.91*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.10*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	794.58	237.97
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*203.96*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	855.75	255.54
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*219.02*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	916.92	273.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*234.08*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.74*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	769.55	229.19
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*196.44*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.64*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	844.58	249.69
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*214.00*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	919.62	270.18
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*231.57*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*3.29*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	994.66	290.68
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*249.14*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*4.11*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	953.64	273.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*234.08*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*4.30*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,057.60	299.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*256.66*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*5.74*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	949.55	264.33
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*226.55*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*4.74*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,089.00	296.53
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*254.15*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*7.12*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	827.88	237.22
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*203.36*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.10*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	889.03	254.79
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*218.42*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	950.19	272.35
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*233.48*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,011.36	289.92
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*248.53*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.74*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	864.00	246.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*210.89*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.64*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	939.03	266.50
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*228.46*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,014.07	287.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*246.02*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*3.29*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,089.12	307.49
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*263.59*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*4.11*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,048.08	289.92
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*248.53*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*4.30*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,183.45	313.34
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*268.61*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*7.12*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,322.90	345.54
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*296.21*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*9.49*	

26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0059 for larger RGS conduit.

26 05 33 13-0033	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	854.80	232.71
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*199.45*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.10*	
26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	915.95	250.27
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*214.50*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	890.92	241.49
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*206.98*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.64*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	965.95	261.98
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*224.54*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	971.03	259.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*222.03*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*2.87*	
26 05 33 13-0038	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	935.71	248.18
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*212.70*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.10*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	996.89	265.75
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*227.76*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,058.04	283.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*242.81*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	971.84	256.97
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*220.23*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.64*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,046.87	277.46
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*237.79*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,121.91	297.95
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*255.36*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*3.29*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,155.92	300.88
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*257.87*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*4.30*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,259.90	327.23
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*280.46*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*5.74*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,151.83	292.10
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*250.34*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*4.74*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,291.29	324.30
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*277.94*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*7.12*	
26 05 33 13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,190.77	296.36
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*254.03*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.65*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,251.93	313.93
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*269.09*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,313.08	331.49
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*284.14*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.74*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,240.76	308.08
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*264.07*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.47*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,315.81	328.56
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*281.63*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*3.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,390.84	349.06
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*299.20*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*4.11*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,349.81	331.49
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*284.14*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*4.30*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,485.18	354.92
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*304.22*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*7.12*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,624.62	387.12
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*331.82*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*9.49*	

26 05 33 13-0057 Conduit *(26 05 33 13)*

Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0058 Conduit Installed Above Grade *(26 05 33 13-0057)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0059)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-0061	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.10	1.84
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.50*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Installation Above 14', Add	*0.69*	
26 05 33 13-0062	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.87	2.00
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.56*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
26 05 33 13-0063	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.71	2.35
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
26 05 33 13-0064	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.51	2.68
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.88*	
		For Installation In Metal Stud Wall, Add	*0.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.68*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
26 05 33 13-0065	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.20	3.01
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-1.03*	
		For Installation In Metal Stud Wall, Add	*0.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.88*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0066	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.44	3.68
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.31*	
		For Installation In Metal Stud Wall, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
		For Installation Above 14', Add	*1.38*	
26 05 33 13-0067	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	22.90	5.02
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.98*	
		For Installation In Metal Stud Wall, Add	*1.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.14*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0068	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	29.90	6.70
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.57*	
		For Installation In Metal Stud Wall, Add	*1.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.18*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.51*	
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0069	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	36.98	8.37
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000, Deduct	*-3.18*	
		For Installation In Metal Stud Wall, Add	*2.09*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.23*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.14*	
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0070	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	43.79	10.03
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.75*	
		For Installation In Metal Stud Wall, Add	*2.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.77*	
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0071	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	69.67	12.71
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000, Deduct	*-6.17*	
		For Installation In Metal Stud Wall, Add	*3.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.95*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.77*	
		For Work In Restricted Working Space, Add	*9.53*	
		For Installation Above 14', Add	*4.77*	
26 05 33 13-0072	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	93.41	16.06
		For >250 To 500, Deduct	*-2.66*	
		For >500 To 1,000, Deduct	*-6.00*	
		For >1,000, Deduct	*-8.34*	
		For Installation In Metal Stud Wall, Add	*4.02*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*10.04*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*6.02*	
		For Work In Restricted Working Space, Add	*12.05*	
		For Installation Above 14', Add	*6.02*	
26 05 33 13-0073		Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0059)*		
		See CSI section 26 05 33 13-2205 for conduit field bending.		
26 05 33 13-0074	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	24.79	8.28
		For Work In Restricted Working Space, Add	*6.23*	
		For Installation Above 14', Add	*3.12*	
26 05 33 13-0075	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	31.12	10.28
		For Work In Restricted Working Space, Add	*7.75*	
		For Installation Above 14', Add	*3.87*	
26 05 33 13-0076	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	39.65	12.63
		For Work In Restricted Working Space, Add	*9.45*	
		For Installation Above 14', Add	*4.72*	
26 05 33 13-0077	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	50.53	14.63
		For Work In Restricted Working Space, Add	*10.97*	
		For Installation Above 14', Add	*5.49*	
26 05 33 13-0078	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	58.61	16.81
		For Work In Restricted Working Space, Add	*12.59*	
		For Installation Above 14', Add	*6.30*	
26 05 33 13-0079	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	69.05	18.48
		For Work In Restricted Working Space, Add	*13.85*	
		For Installation Above 14', Add	*6.93*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	98.49	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0081	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	139.33	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Installation Above 14', Add	*11.79*	
26 05 33 13-0082	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	183.59	35.46
		For Work In Restricted Working Space, Add	*26.60*	
		For Installation Above 14', Add	*13.30*	
26 05 33 13-0083	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	224.78	46.18
		For Work In Restricted Working Space, Add	*34.62*	
		For Installation Above 14', Add	*17.31*	
26 05 33 13-0084	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	367.68	75.29
		For Work In Restricted Working Space, Add	*56.47*	
		For Installation Above 14', Add	*28.23*	
26 05 33 13-0085	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	552.75	113.09
		For Work In Restricted Working Space, Add	*84.81*	
		For Installation Above 14', Add	*42.41*	

26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0087	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	24.79	8.28
		For Work In Restricted Working Space, Add	*6.23*	
		For Installation Above 14', Add	*3.12*	
26 05 33 13-0088	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	31.12	10.28
		For Work In Restricted Working Space, Add	*7.75*	
		For Installation Above 14', Add	*3.87*	
26 05 33 13-0089	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	39.65	12.63
		For Work In Restricted Working Space, Add	*9.45*	
		For Installation Above 14', Add	*4.72*	
26 05 33 13-0090	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	50.53	14.63
		For Work In Restricted Working Space, Add	*10.97*	
		For Installation Above 14', Add	*5.49*	
26 05 33 13-0091	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	58.61	16.81
		For Work In Restricted Working Space, Add	*12.59*	
		For Installation Above 14', Add	*6.30*	
26 05 33 13-0092	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	69.05	18.48
		For Work In Restricted Working Space, Add	*13.85*	
		For Installation Above 14', Add	*6.93*	
26 05 33 13-0093	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	96.83	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0094	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	132.88	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Installation Above 14', Add	*11.79*	
26 05 33 13-0095	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	174.52	35.46
		For Work In Restricted Working Space, Add	*26.60*	
		For Installation Above 14', Add	*13.30*	
26 05 33 13-0096	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	212.72	46.18
		For Work In Restricted Working Space, Add	*34.62*	
		For Installation Above 14', Add	*17.31*	
26 05 33 13-0097	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	367.68	75.29
		For Work In Restricted Working Space, Add	*56.47*	
		For Installation Above 14', Add	*28.23*	
26 05 33 13-0098	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	552.75	113.09
		For Work In Restricted Working Space, Add	*84.81*	
		For Installation Above 14', Add	*42.41*	

26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0100	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	60.77	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0101	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	70.02	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0102	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	80.94	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0103	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	91.12	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	

26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0105	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	65.81	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0106	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	76.50	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0107	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	83.90	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0108	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	94.42	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0109	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	125.26	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	168.65	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	

26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	66.04	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	75.86	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0114	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	87.09	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0115	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	101.56	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0116	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	131.91	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0117	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	174.02	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0118	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	216.76	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0119	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	263.45	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	

26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0121	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	74.08	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0122	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	83.75	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0123	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	92.99	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0124	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	110.27	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0125	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	143.79	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0126	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	192.63	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0127	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	234.85	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0128	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	277.88	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	

26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0130	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	73.59	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0131	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	89.61	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0132	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	99.34	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0133	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	118.56	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0134	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	155.18	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0135	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	207.33	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0136	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	252.74	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0137	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	304.36	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	
26 05 33 13-0138	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	442.86	122.33
		For Work In Restricted Working Space, Add	*73.40*	
		For Installation Above 14', Add	*36.70*	

26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0140	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	77.89	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0141	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	92.50	23.93
		For Work In Restricted Working Space, Add	*14.35*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0142	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	110.46	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0143	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	125.04	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0144	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	168.69	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0145	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	219.90	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	275.84	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0147	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	316.82	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	
26 05 33 13-0148	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	544.50	122.33
		For Work In Restricted Working Space, Add	*73.40*	
		For Installation Above 14', Add	*36.70*	
26 05 33 13-0149	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	696.95	183.78
		For Work In Restricted Working Space, Add	*110.27*	
		For Installation Above 14', Add	*55.13*	

26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	84.17	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	100.19	23.93
		For Work In Restricted Working Space, Add	*14.36*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	118.63	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0154	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	133.58	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0155	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	179.01	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0156	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	238.32	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0157	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	294.32	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0158	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	369.97	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	
26 05 33 13-0159	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	617.82	122.33
		For Work In Restricted Working Space, Add	*73.40*	
		For Installation Above 14', Add	*36.70*	
26 05 33 13-0160	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	760.44	183.78
		For Work In Restricted Working Space, Add	*110.27*	
		For Installation Above 14', Add	*55.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0161		**Rigid Galvanized Steel (RGS) 48" Large Radius Elbow** *(26 05 33 13-0059)*		
		See CSI section 26 05 33 13-2205 for conduit field bending.		
26 05 33 13-0162	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	89.41	20.66
		For Work In Restricted Working Space, Add	*12.40*	
		For Installation Above 14', Add	*6.20*	
26 05 33 13-0163	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	106.11	23.93
		For Work In Restricted Working Space, Add	*14.36*	
		For Installation Above 14', Add	*7.18*	
26 05 33 13-0164	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	123.79	27.18
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0165	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	149.52	29.90
		For Work In Restricted Working Space, Add	*17.94*	
		For Installation Above 14', Add	*8.97*	
26 05 33 13-0166	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	198.07	37.52
		For Work In Restricted Working Space, Add	*22.51*	
		For Installation Above 14', Add	*11.25*	
26 05 33 13-0167	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	256.88	51.11
		For Work In Restricted Working Space, Add	*30.67*	
		For Installation Above 14', Add	*15.33*	
26 05 33 13-0168	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	317.54	57.63
		For Work In Restricted Working Space, Add	*34.58*	
		For Installation Above 14', Add	*17.29*	
26 05 33 13-0169	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	398.18	75.03
		For Work In Restricted Working Space, Add	*45.02*	
		For Installation Above 14', Add	*22.51*	
26 05 33 13-0170	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	640.78	122.33
		For Work In Restricted Working Space, Add	*73.40*	
		For Installation Above 14', Add	*36.70*	
26 05 33 13-0171	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	773.29	183.78
		For Work In Restricted Working Space, Add	*110.27*	
		For Installation Above 14', Add	*55.13*	
26 05 33 13-0172		**Rigid Galvanized Steel (RGS) Plastic Insulating Bushing** *(26 05 33 13-0059)*		
26 05 33 13-0173	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	10.94	5.33
		For Work In Restricted Working Space, Add	*3.20*	
		For Installation Above 14', Add	*1.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-0174	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	11.75	5.68
		For Work In Restricted Working Space, Add	*3.41*	
		For Installation Above 14', Add	*1.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.41*	
26 05 33 13-0175	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.37	6.39
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-0176	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	15.04	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.27*	
26 05 33 13-0177	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.89	8.89
		For Work In Restricted Working Space, Add	*5.33*	
		For Installation Above 14', Add	*2.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0178	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	23.41	10.66
		For Work In Restricted Working Space, Add	*6.40*	
		For Installation Above 14', Add	*3.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0179	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	29.50	12.44
		For Work In Restricted Working Space, Add	*7.47*	
		For Installation Above 14', Add	*3.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.47*	
26 05 33 13-0180	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	33.30	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0181	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.74	13.38
		For Work In Restricted Working Space, Add	*9.60*	
		For Installation Above 14', Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 33 13-0182	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	42.98	17.77
		For Work In Restricted Working Space, Add	*10.67*	
		For Installation Above 14', Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.67*	
26 05 33 13-0183	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	51.77	19.56
		For Work In Restricted Working Space, Add	*11.73*	
		For Installation Above 14', Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.73*	
26 05 33 13-0184	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	74.74	21.33
		For Work In Restricted Working Space, Add	*12.80*	
		For Installation Above 14', Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0185		**Rigid Galvanized Steel (RGS) Steel Bushing** *(26 05 33 13-0059)*		
26 05 33 13-0186	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	13.25	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0187	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	14.41	6.70
		For Work In Restricted Working Space, Add	*4.01*	
		For Installation Above 14', Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-0188	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	16.85	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	18.94	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	24.17	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	28.61	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0192	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	40.31	14.63
		For Work In Restricted Working Space, Add	*8.78*	
		For Installation Above 14', Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-0193	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	47.93	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	
26 05 33 13-0194	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	71.43	18.82
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0195	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	96.63	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	129.14	23.00
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	190.49	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-0198		**Rigid Galvanized Steel (RGS) Steel Insulated Bushing** *(26 05 33 13-0059)*		
26 05 33 13-0199	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	14.08	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0200	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	15.66	6.70
		For Work In Restricted Working Space, Add	*4.01*	
		For Installation Above 14', Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-0201	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.42	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0202	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.60	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0203	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	26.95	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0204	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	33.53	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0205	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	46.98	14.63
		For Work In Restricted Working Space, Add	*8.78*	
		For Installation Above 14', Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-0206	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	55.75	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	72.89	18.82
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	103.16	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	136.24	23.00
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-0210	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	193.00	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-0211		**Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing** *(26 05 33 13-0059)*		
26 05 33 13-0212	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	21.25	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0213	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	23.80	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0214	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	27.22	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0215	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	32.32	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0216	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.09	12.97
		For Work In Restricted Working Space, Add	*7.78*	
		For Installation Above 14', Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-0217	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	49.24	15.48
		For Work In Restricted Working Space, Add	*9.29*	
		For Installation Above 14', Add	*4.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0218	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	65.84	17.98
		For Work In Restricted Working Space, Add	*10.79*	
		For Installation Above 14', Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.79*	
26 05 33 13-0219	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	72.65	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0220	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	82.14	23.42
		For Work In Restricted Working Space, Add	*14.05*	
		For Installation Above 14', Add	*7.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 05 33 13-0221	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	105.90	25.93
		For Work In Restricted Working Space, Add	*15.56*	
		For Installation Above 14', Add	*7.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 05 33 13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	149.89	28.44
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	206.11	31.36
		For Work In Restricted Working Space, Add	*18.82*	
		For Installation Above 14', Add	*9.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.82*	
26 05 33 13-0224		**Rigid Galvanized Steel (RGS) Box Connectors With Set Screw** *(26 05 33 13-0059)*		
26 05 33 13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	11.94	3.85
		For Work In Restricted Working Space, Add	*2.86*	
		For Installation Above 14', Add	*1.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 33 13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	14.39	4.43
		For Work In Restricted Working Space, Add	*3.32*	
		For Installation Above 14', Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 33 13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.65	5.35
		For Work In Restricted Working Space, Add	*4.00*	
		For Installation Above 14', Add	*2.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	27.00	6.61
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	36.52	8.87
		For Work In Restricted Working Space, Add	*6.66*	
		For Installation Above 14', Add	*3.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	61.33	13.30
		For Work In Restricted Working Space, Add	*9.97*	
		For Installation Above 14', Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.97*	
26 05 33 13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	106.35	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Installation Above 14', Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	126.89	17.82
		For Work In Restricted Working Space, Add	*13.37*	
		For Installation Above 14', Add	*6.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.37*	
26 05 33 13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	170.76	22.33
		For Work In Restricted Working Space, Add	*16.74*	
		For Installation Above 14', Add	*8.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.74*	
26 05 33 13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	200.33	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-0235	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	344.01	29.78
		For Work In Restricted Working Space, Add	*22.31*	
		For Installation Above 14', Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.31*	
26 05 33 13-0236	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	410.04	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	

26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0059)*

26 05 33 13-0238	EA	1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	11.67	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0239	EA	3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	13.44	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0240	EA	1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	17.13	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0241	EA	1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	19.98	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0242	EA	1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	22.78	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0243	EA	1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.73	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0244	EA	3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.54	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0245	EA	1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	17.24	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0246	EA	1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	20.13	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0247	EA	1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.02	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0248	EA	2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	25.97	11.71
		For Work In Restricted Working Space, Add	*7.03*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0249	EA	1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	11.80	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0250	EA	3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	13.63	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0251	EA	1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	17.39	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0252	EA	1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	20.26	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0253	EA	1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	23.18	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0254	EA	2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	26.35	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0255	EA	2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	34.52	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0256	EA	3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	46.78	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0257	EA	1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.89	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0258	EA	3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.67	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0259	EA	1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	17.59	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0260	EA	1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	20.52	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0261	EA	1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.52	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0262	EA	2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	26.76	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0263	EA	2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	35.63	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0264	EA	3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	47.74	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0265	EA	1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.97	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0266	EA	3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	13.82	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0267	EA	1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	17.72	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0268	EA	1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	20.64	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0269	EA	1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	23.75	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0270	EA	2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	27.11	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0271	EA	2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	35.97	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0272	EA	3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	48.45	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0273	EA	3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	55.46	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0274	EA	4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	70.20	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0275	EA	1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	12.10	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0276	EA	3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	14.02	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0277	EA	1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	17.96	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0278	EA	1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	20.99	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0279	EA	1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	24.09	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0280	EA	2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	27.73	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0281	EA	2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	37.34	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0282	EA	3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	49.94	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0283	EA	3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	56.93	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0284	EA	4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	72.36	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0285	EA	5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	107.88	39.73
		For Work In Restricted Working Space, Add	*23.84*	
		For Installation Above 14', Add	*11.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0286	EA	6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	137.39	50.94
		For Work In Restricted Working Space, Add	*30.59*	
		For Installation Above 14', Add	*15.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.59*	
26 05 33 13-0287	EA	1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	12.34	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0288	EA	3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	14.26	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0289	EA	1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	18.15	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0290	EA	1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	21.32	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0291	EA	1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	24.82	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0292	EA	2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	28.35	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0293	EA	2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	38.54	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0294	EA	3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	51.45	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0295	EA	3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	58.73	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0296	EA	4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	74.07	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0297	EA	5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	110.39	39.73
		For Work In Restricted Working Space, Add	*23.84*	
		For Installation Above 14', Add	*11.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0298	EA	6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	141.05	50.94
		For Work In Restricted Working Space, Add	*30.59*	
		For Installation Above 14', Add	*15.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.59*	
26 05 33 13-0299	EA	1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	13.21	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0300	EA	3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	15.37	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0301	EA	1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	19.46	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0302	EA	1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	23.18	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0303	EA	1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	26.90	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0304	EA	2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	30.53	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0305	EA	2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	41.72	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0306	EA	3" x 8" Long Rigid Galvanized Steel (RGS) Nipple	55.10	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0307	EA	3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	62.38	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0308	EA	4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	78.10	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0309	EA	5" x 8" Long Rigid Galvanized Steel (RGS) Nipple	116.20	39.73
		For Work In Restricted Working Space, Add	*23.84*	
		For Installation Above 14', Add	*11.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0310	EA	6" x 8" Long Rigid Galvanized Steel (RGS) Nipple	147.58	50.94
		For Work In Restricted Working Space, Add	*30.59*	
		For Installation Above 14', Add	*15.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.59*	
26 05 33 13-0311	EA	1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	13.79	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0312	EA	3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	15.94	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0313	EA	1" x 10" Long Rigid Galvanized Steel (RGS) Nipple	20.50	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0314	EA	1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	24.41	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0315	EA	1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	28.11	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0316	EA	2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	31.94	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0317	EA	2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	43.86	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0318	EA	3" x 10" Long Rigid Galvanized Steel (RGS) Nipple	57.97	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0319	EA	3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	66.16	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0320	EA	4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	82.89	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0321	EA	5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	122.53	39.73
		For Work In Restricted Working Space, Add	*23.84*	
		For Installation Above 14', Add	*11.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0322	EA	6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	158.97	50.94
		For Work In Restricted Working Space, Add	*30.59*	
		For Installation Above 14', Add	*15.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.59*	
26 05 33 13-0323	EA	1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	14.24	5.43
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0324	EA	3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	16.35	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0325	EA	1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	21.12	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0326	EA	1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	25.40	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Installation Above 14', Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0327	EA	1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	28.72	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0328	EA	2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	33.13	11.71
		For Work In Restricted Working Space, Add	*7.02*	
		For Installation Above 14', Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0329	EA	2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	46.38	14.22
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation Above 14', Add	*4.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0330	EA	3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	61.97	19.66
		For Work In Restricted Working Space, Add	*11.79*	
		For Installation Above 14', Add	*5.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-0331	EA	3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	69.85	22.16
		For Work In Restricted Working Space, Add	*13.30*	
		For Installation Above 14', Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0332	EA	4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	87.69	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0333	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	131.64	39.73
		For Work In Restricted Working Space, Add	*23.84*	
		For Installation Above 14', Add	*11.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0334	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	165.31	50.94
		For Work In Restricted Working Space, Add	*30.59*	
		For Installation Above 14', Add	*15.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.59*	

26 05 33 13-0335 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0059)*

26 05 33 13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	12.24	4.35
		For Work In Restricted Working Space, Add	*3.29*	
		For Installation Above 14', Add	*1.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	14.44	5.02
		For Work In Restricted Working Space, Add	*3.74*	
		For Installation Above 14', Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	18.20	6.35
		For Work In Restricted Working Space, Add	*4.79*	
		For Installation Above 14', Add	*2.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.74	7.61
		For Work In Restricted Working Space, Add	*5.74*	
		For Installation Above 14', Add	*2.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.74*	
26 05 33 13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.90	8.37
		For Work In Restricted Working Space, Add	*6.28*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-0341	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	32.08	10.28
		For Work In Restricted Working Space, Add	*7.73*	
		For Installation Above 14', Add	*3.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0342	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	52.32	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0343	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	81.57	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0344	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	100.01	27.27
		For Work In Restricted Working Space, Add	*20.34*	
		For Installation Above 14', Add	*10.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.34*	
26 05 33 13-0345	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	119.16	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Installation Above 14', Add	*11.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	

26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0059)*

Note: Erickson fittings.

26 05 33 13-0347	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	35.43	13.38
		For Work In Restricted Working Space, Add	*10.05*	
		For Installation Above 14', Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0348	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	39.87	14.97
		For Work In Restricted Working Space, Add	*11.22*	
		For Installation Above 14', Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 05 33 13-0349	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	46.23	16.65
		For Work In Restricted Working Space, Add	*12.50*	
		For Installation Above 14', Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 05 33 13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	55.34	18.23
		For Work In Restricted Working Space, Add	*13.67*	
		For Installation Above 14', Add	*6.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 05 33 13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	61.55	19.91
		For Work In Restricted Working Space, Add	*14.96*	
		For Installation Above 14', Add	*7.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 05 33 13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	77.42	21.58
		For Work In Restricted Working Space, Add	*16.20*	
		For Installation Above 14', Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	121.16	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0354		EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	165.97	33.46
			For Work In Restricted Working Space, Add	*25.09*	
			For Installation Above 14', Add	*12.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-0355		EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	237.55	40.15
			For Work In Restricted Working Space, Add	*30.12*	
			For Installation Above 14', Add	*15.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.12*	
26 05 33 13-0356		EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	270.00	43.50
			For Work In Restricted Working Space, Add	*32.62*	
			For Installation Above 14', Add	*16.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 05 33 13-0357		EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	464.80	53.53
			For Work In Restricted Working Space, Add	*40.15*	
			For Installation Above 14', Add	*20.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.15*	
26 05 33 13-0358		EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	595.90	61.90
			For Work In Restricted Working Space, Add	*46.42*	
			For Installation Above 14', Add	*23.21*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.42*	

26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0059)*

26 05 33 13-0360		EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.17	6.70
			For Work In Restricted Working Space, Add	*5.02*	
			For Installation Above 14', Add	*2.51*	
26 05 33 13-0361		EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	22.47	7.36
			For Work In Restricted Working Space, Add	*5.52*	
			For Installation Above 14', Add	*2.76*	
26 05 33 13-0362		EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	25.77	8.37
			For Work In Restricted Working Space, Add	*6.28*	
			For Installation Above 14', Add	*3.14*	
26 05 33 13-0363		EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	28.98	9.03
			For Work In Restricted Working Space, Add	*6.77*	
			For Installation Above 14', Add	*3.39*	
26 05 33 13-0364		EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	34.02	10.03
			For Work In Restricted Working Space, Add	*7.53*	
			For Installation Above 14', Add	*3.77*	
26 05 33 13-0365		EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	40.78	11.05
			For Work In Restricted Working Space, Add	*8.28*	
			For Installation Above 14', Add	*4.14*	
26 05 33 13-0366		EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	54.59	13.38
			For Work In Restricted Working Space, Add	*10.04*	
			For Installation Above 14', Add	*5.02*	
26 05 33 13-0367		EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	67.61	16.73
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	
26 05 33 13-0368		EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	81.20	20.08
			For Work In Restricted Working Space, Add	*15.06*	
			For Installation Above 14', Add	*7.53*	
26 05 33 13-0369		EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	91.21	21.75
			For Work In Restricted Working Space, Add	*16.31*	
			For Installation Above 14', Add	*8.16*	

26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0059)*

26 05 33 13-0371		EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	18.47	7.53
			For Work In Restricted Working Space, Add	*4.52*	
			For Installation Above 14', Add	*2.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0372		EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	20.58	8.37
			For Work In Restricted Working Space, Add	*5.02*	
			For Installation Above 14', Add	*2.51*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0373		EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	25.42	10.45
			For Work In Restricted Working Space, Add	*6.27*	
			For Installation Above 14', Add	*3.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0374		EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	31.23	12.55
			For Work In Restricted Working Space, Add	*7.53*	
			For Installation Above 14', Add	*3.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0375		EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	40.20	16.73
			For Work In Restricted Working Space, Add	*10.04*	
			For Installation Above 14', Add	*5.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	
26 05 33 13-0376		EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	46.64	18.82
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0377		EA	2-1/2" Water Tight Conduit Hubs	57.11	20.91
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	76.65	26.35
		For Work In Restricted Working Space, Add	*15.81*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.81*	
26 05 33 13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	91.08	31.78
		For Work In Restricted Working Space, Add	*19.07*	
		For Installation Above 14', Add	*9.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.07*	
26 05 33 13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	111.55	37.64
		For Work In Restricted Working Space, Add	*22.59*	
		For Installation Above 14', Add	*11.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.59*	

26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0059)*

Note: Type AX

26 05 33 13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	82.87	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	94.03	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
26 05 33 13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	111.21	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	135.87	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
26 05 33 13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	170.28	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	234.51	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	358.12	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	458.69	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
26 05 33 13-0390	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	668.33	40.15
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	
26 05 33 13-0391	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	712.54	43.50
		For Work In Restricted Working Space, Add	*32.62*	
		For Installation Above 14', Add	*16.31*	
26 05 33 13-0392	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,089.45	53.53
		For Work In Restricted Working Space, Add	*40.15*	
		For Installation Above 14', Add	*20.07*	
26 05 33 13-0393	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,337.37	59.39
		For Work In Restricted Working Space, Add	*44.57*	
		For Installation Above 14', Add	*22.28*	

26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0059)*

Note: Type AX-8

26 05 33 13-0395	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	91.13	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0396	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	101.35	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
26 05 33 13-0397	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	122.69	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0398	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	153.95	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
26 05 33 13-0399	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	206.21	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0400	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	251.67	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0401	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	469.41	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0402	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	534.69	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
26 05 33 13-0403	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	818.52	40.15
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0404	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	886.13	43.50
		For Work In Restricted Working Space, Add	*32.62*	
		For Installation Above 14', Add	*16.31*	
26 05 33 13-0405	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,235.78	53.53
		For Work In Restricted Working Space, Add	*40.15*	
		For Installation Above 14', Add	*20.07*	
26 05 33 13-0406	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,525.64	59.39
		For Work In Restricted Working Space, Add	*44.57*	
		For Installation Above 14', Add	*22.28*	

26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0059)*

Note: Type EX

26 05 33 13-0408	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	103.21	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0409	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	129.85	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
26 05 33 13-0410	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	161.18	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0411	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	195.64	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
26 05 33 13-0412	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	262.66	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0413	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	360.75	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0414	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	559.21	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0415	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	753.33	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
26 05 33 13-0416	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,129.50	40.15
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	
26 05 33 13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,169.39	43.50
		For Work In Restricted Working Space, Add	*32.62*	
		For Installation Above 14', Add	*16.31*	
26 05 33 13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,757.91	53.53
		For Work In Restricted Working Space, Add	*40.15*	
		For Installation Above 14', Add	*20.07*	
26 05 33 13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,178.14	59.39
		For Work In Restricted Working Space, Add	*44.57*	
		For Installation Above 14', Add	*22.28*	

26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0059)*

Note: Type DX

26 05 33 13-0421	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	177.75	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	211.58	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
26 05 33 13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	255.51	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	300.15	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
26 05 33 13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	331.87	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	409.63	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
26 05 33 13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	541.06	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	686.08	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
26 05 33 13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	772.41	40.15
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	935.74	43.50
		For Work In Restricted Working Space, Add	*32.62*	
		For Installation Above 14', Add	*16.31*	
26 05 33 13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,596.80	53.53
		For Work In Restricted Working Space, Add	*40.15*	
		For Installation Above 14', Add	*20.07*	
26 05 33 13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,534.45	59.39
		For Work In Restricted Working Space, Add	*44.57*	
		For Installation Above 14', Add	*22.28*	

26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0059)*

26 05 33 13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	46.48	6.70
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	53.67	8.37
		For Work In Restricted Working Space, Add	*6.28*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	66.11	10.03
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.76*	
26 05 33 13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	92.73	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	140.47	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper	238.42	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	51.57	6.70
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	60.11	8.37
		For Work In Restricted Working Space, Add	*6.28*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0442	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	72.00	10.03
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.76*	
26 05 33 13-0443	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	100.56	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0444	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	150.85	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper	271.91	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	

26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0059)*

26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	65.70	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	78.22	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	94.59	29.28
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	110.67	33.46
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	141.15	37.64
		For Work In Restricted Working Space, Add	*22.59*	
		For Installation Above 14', Add	*11.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.59*	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	168.98	41.83
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	232.95	50.19
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	279.06	58.56
		For Work In Restricted Working Space, Add	*35.13*	
		For Installation Above 14', Add	*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.13*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0455		EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	600.93	66.92
			For Work In Restricted Working Space, Add	*40.15*	
			For Installation Above 14', Add	*20.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.15*	
26 05 33 13-0456		EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	691.15	75.29
			For Work In Restricted Working Space, Add	*45.17*	
			For Installation Above 14', Add	*22.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	

26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0059)*

26 05 33 13-0458		EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	11.04	5.02
			For Work In Restricted Working Space, Add	*3.01*	
			For Installation Above 14', Add	*1.50*	
26 05 33 13-0459		EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	15.49	7.11
			For Work In Restricted Working Space, Add	*4.27*	
			For Installation Above 14', Add	*2.13*	
26 05 33 13-0460		EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	20.33	9.20
			For Work In Restricted Working Space, Add	*5.52*	
			For Installation Above 14', Add	*2.76*	
26 05 33 13-0461		EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	23.35	10.45
			For Work In Restricted Working Space, Add	*6.27*	
			For Installation Above 14', Add	*3.14*	
26 05 33 13-0462		EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	28.16	12.55
			For Work In Restricted Working Space, Add	*7.53*	
			For Installation Above 14', Add	*3.77*	
26 05 33 13-0463		EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	33.00	14.22
			For Work In Restricted Working Space, Add	*8.53*	
			For Installation Above 14', Add	*4.27*	
26 05 33 13-0464		EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	42.01	15.90
			For Work In Restricted Working Space, Add	*9.53*	
			For Installation Above 14', Add	*4.77*	
26 05 33 13-0465		EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	49.26	17.98
			For Work In Restricted Working Space, Add	*10.79*	
			For Installation Above 14', Add	*5.39*	
26 05 33 13-0466		EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	57.28	19.66
			For Work In Restricted Working Space, Add	*11.79*	
			For Installation Above 14', Add	*5.90*	
26 05 33 13-0467		EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	60.55	20.91
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	

26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0059)*

26 05 33 13-0469		EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.56	0.83
26 05 33 13-0470		EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.54	1.25
26 05 33 13-0471		EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.88	2.09
26 05 33 13-0472		EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	8.51	2.93
26 05 33 13-0473		EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	10.21	3.35
26 05 33 13-0474		EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	12.00	3.77

26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0059)*

26 05 33 13-0476		EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	120.47	10.15
			For Work In Restricted Working Space, Add	*7.61*	
			For Installation Above 14', Add	*3.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	
26 05 33 13-0477		EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	122.91	11.13
			For Work In Restricted Working Space, Add	*8.35*	
			For Installation Above 14', Add	*4.17*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0478		EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	146.85	12.21
			For Work In Restricted Working Space, Add	*9.14*	
			For Installation Above 14', Add	*4.57*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-0479		EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	161.22	13.38
			For Work In Restricted Working Space, Add	*10.05*	
			For Installation Above 14', Add	*5.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0480		EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	183.82	15.06
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0481		EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	268.92	16.73
			For Work In Restricted Working Space, Add	*12.56*	
			For Installation Above 14', Add	*6.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.56*	
26 05 33 13-0482		EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	311.26	22.33
			For Work In Restricted Working Space, Add	*16.74*	
			For Installation Above 14', Add	*8.37*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	345.15	24.51
		For Work In Restricted Working Space, Add	*18.39*	
		For Installation Above 14', Add	*9.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	400.45	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-0485	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	451.38	30.11
		For Work In Restricted Working Space, Add	*22.59*	
		For Installation Above 14', Add	*11.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.59*	
26 05 33 13-0486	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	601.65	33.46
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-0487	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	745.69	37.14
		For Work In Restricted Working Space, Add	*27.86*	
		For Installation Above 14', Add	*13.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.86*	

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0059)*

26 05 33 13-0489	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	13.66	6.49
		For Work In Restricted Working Space, Add	*3.89*	
		For Installation Above 14', Add	*1.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-0490	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	15.07	6.90
		For Work In Restricted Working Space, Add	*4.14*	
		For Installation Above 14', Add	*2.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.14*	
26 05 33 13-0491	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	15.49	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.27*	
26 05 33 13-0492	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	17.93	7.32
		For Work In Restricted Working Space, Add	*4.39*	
		For Installation Above 14', Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 05 33 13-0493	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.36	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0494	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	19.20	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.72	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.14	8.57
		For Work In Restricted Working Space, Add	*5.15*	
		For Installation Above 14', Add	*2.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	21.97	8.99
		For Work In Restricted Working Space, Add	*5.39*	
		For Installation Above 14', Add	*2.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 05 33 13-0498	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	22.81	9.41
		For Work In Restricted Working Space, Add	*5.65*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.65*	
26 05 33 13-0499	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.59	9.41
		For Work In Restricted Working Space, Add	*5.65*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.65*	
26 05 33 13-0500	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.00	9.62
		For Work In Restricted Working Space, Add	*5.77*	
		For Installation Above 14', Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-0501	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	28.85	10.03
		For Work In Restricted Working Space, Add	*6.02*	
		For Installation Above 14', Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0502	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	29.68	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0503	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	31.77	11.50
		For Work In Restricted Working Space, Add	*6.90*	
		For Installation Above 14', Add	*3.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0504	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.17	13.59
		For Work In Restricted Working Space, Add	*8.15*	
		For Installation Above 14', Add	*4.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	

26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0059)*

26 05 33 13-0506	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	1.73	0.83
		For Work In Restricted Working Space, Add	*0.50*	
		For Installation Above 14', Add	*0.25*	
26 05 33 13-0507	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.60	1.25
		For Work In Restricted Working Space, Add	*0.75*	
		For Installation Above 14', Add	*0.38*	
26 05 33 13-0508	EA	1" Rigid Galvanized Steel (RGS) Locknuts	4.33	2.09
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0509	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	6.09	2.93
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
26 05 33 13-0510	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	7.02	3.35
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
26 05 33 13-0511	EA	2" Rigid Galvanized Steel (RGS) Locknuts	7.92	3.77
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0512	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	11.07	5.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Installation Above 14', Add	*1.50*	
26 05 33 13-0513	EA	3" Rigid Galvanized Steel (RGS) Locknuts	13.70	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	16.13	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
26 05 33 13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts	18.09	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.39*	

26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0059)*

26 05 33 13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.62	0.83
		For Work In Restricted Working Space, Add	*0.50*	
		For Installation Above 14', Add	*0.25*	
26 05 33 13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.65	1.25
		For Work In Restricted Working Space, Add	*0.75*	
		For Installation Above 14', Add	*0.38*	
26 05 33 13-0519	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.81	2.09
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0520	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.12	2.93
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
26 05 33 13-0521	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.19	3.35
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
26 05 33 13-0522	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	10.77	3.77
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0523	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	16.06	5.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Installation Above 14', Add	*1.50*	
26 05 33 13-0524	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	20.20	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0525	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	26.64	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
26 05 33 13-0526	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	31.92	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.39*	

26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0059)*

26 05 33 13-0528	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	7.40	2.51
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
26 05 33 13-0529	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.28	3.35
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
26 05 33 13-0530	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	11.85	4.18
		For Work In Restricted Working Space, Add	*2.51*	
		For Installation Above 14', Add	*1.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0531	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	17.26	6.70
		For Work In Restricted Working Space, Add	*4.01*	
		For Installation Above 14', Add	*2.01*	
26 05 33 13-0532	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	19.45	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0533	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	22.11	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0534	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	30.48	10.03
		For Work In Restricted Working Space, Add	*6.02*	
		For Installation Above 14', Add	*3.01*	
26 05 33 13-0535	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	37.01	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	45.77	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0537	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	55.74	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	

26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0059)*

26 05 33 13-0539	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	16.73	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0540	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	19.41	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0541	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	25.10	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0542	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	32.99	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0543	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	44.39	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0544	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	62.80	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0545	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	98.56	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0546	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	122.69	29.28
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
26 05 33 13-0547	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	154.91	35.55
		For Work In Restricted Working Space, Add	*21.33*	
		For Installation Above 14', Add	*10.67*	
26 05 33 13-0548	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	186.24	41.83
		For Work In Restricted Working Space, Add	*25.09*	
		For Installation Above 14', Add	*12.55*	

26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0059)*

26 05 33 13-0550	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	23.60	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0551	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	29.41	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0552	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	40.98	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	52.97	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	64.69	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0555	EA	2" Rigid Galvanized Steel (RGS) Compression Connector	90.27	29.28
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
26 05 33 13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	133.72	33.46
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
26 05 33 13-0557	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	146.21	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0558	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	204.34	43.91
		For Work In Restricted Working Space, Add	*26.35*	
		For Installation Above 14', Add	*13.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0559	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	249.45	50.19
		For Work In Restricted Working Space, Add	*30.11*	
		For Installation Above 14', Add	*15.06*	

26 05 33 13-0560 Rigid Galvanized Steel (RGS) Knock Out Seal *(26 05 33 13-0059)*

26 05 33 13-0561	EA	1/2" Snap-in Knock Out Seal	4.38	2.09
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0562	EA	3/4" Snap-in Knock Out Seal	5.28	2.51
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
26 05 33 13-0563	EA	1" Snap-in Knock Out Seal	6.27	2.93
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
26 05 33 13-0564	EA	1-1/4" Snap-in Knock Out Seal	8.08	3.77
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0565	EA	1-1/2" Snap-in Knock Out Seal	9.14	4.18
		For Work In Restricted Working Space, Add	*2.51*	
		For Installation Above 14', Add	*1.26*	
26 05 33 13-0566	EA	2" Snap-in Knock Out Seal	11.11	5.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Installation Above 14', Add	*1.50*	
26 05 33 13-0567	EA	2-1/2" 3-Piece Knock Out Seal	15.07	6.27
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0568	EA	3" 3-Piece Knock Out Seal	17.42	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
26 05 33 13-0569	EA	3-1/2" 3-Piece Knock Out Seal	19.62	7.95
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.39*	
26 05 33 13-0570	EA	4" 3-Piece Knock Out Seal	22.49	8.78
		For Work In Restricted Working Space, Add	*5.27*	
		For Installation Above 14', Add	*2.64*	

26 05 33 13-0571 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0059)*

26 05 33 13-0572	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	10.34	5.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Installation Above 14', Add	*1.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-0573	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	12.23	5.85
		For Work In Restricted Working Space, Add	*3.51*	
		For Installation Above 14', Add	*1.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-0574	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	15.35	7.11
		For Work In Restricted Working Space, Add	*4.27*	
		For Installation Above 14', Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.27*	
26 05 33 13-0575	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	18.69	8.37
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0576	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	23.43	10.45
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0577	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	29.18	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0578	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	37.04	14.63
		For Work In Restricted Working Space, Add	*8.78*	
		For Installation Above 14', Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-0579	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	41.42	16.73
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	
26 05 33 13-0580	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	51.72	18.82
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0581	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	71.33	20.91
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

26 05 33 13-0582 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0059)*

26 05 33 13-0583	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	20.41	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0584	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	23.71	8.78
		For Work In Restricted Working Space, Add	*5.27*	
		For Installation Above 14', Add	*2.64*	
26 05 33 13-0585	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	30.28	10.03
		For Work In Restricted Working Space, Add	*6.02*	
		For Installation Above 14', Add	*3.01*	
26 05 33 13-0586	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	38.83	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0587	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	51.91	15.06
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0588	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	69.63	17.57
		For Work In Restricted Working Space, Add	*10.54*	
		For Installation Above 14', Add	*5.27*	
26 05 33 13-0589	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	97.11	20.08
		For Work In Restricted Working Space, Add	*12.05*	
		For Installation Above 14', Add	*6.02*	
26 05 33 13-0590	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	170.85	25.10
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	

26 05 33 13-0591 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0592 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0591)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-0593	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	4.18	1.50
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000, Deduct	*-0.32*	
		For Installation In Metal Stud Wall, Add	*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.94*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.57*	
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.57*	
		For Factory Applied Color Coating, Add	*0.12*	
26 05 33 13-0594	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	4.82	1.67
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.38*	
		For Installation In Metal Stud Wall, Add	*0.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.05*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.63*	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
		For Factory Applied Color Coating, Add	*0.19*	
26 05 33 13-0595	LF	1" Electrical Metallic Tubing (EMT) Conduit	5.67	1.84
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.45*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Installation Above 14', Add	*0.69*	
		For Factory Applied Color Coating, Add	*0.32*	
26 05 33 13-0596	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	6.86	2.07
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.56*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.78*	
		For Work In Restricted Working Space, Add	*1.55*	
		For Installation Above 14', Add	*0.78*	
		For Factory Applied Color Coating, Add	*0.50*	
26 05 33 13-0597	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	7.95	2.35
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.65*	
		For Installation In Metal Stud Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
		For Factory Applied Color Coating, Add	*0.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0598	LF	2" Electrical Metallic Tubing (EMT) Conduit	9.19	2.68
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.75*	
		For Installation In Metal Stud Wall, Add	*0.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.68*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
		For Factory Applied Color Coating, Add	*0.75*	
26 05 33 13-0599	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	11.63	3.18
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.96*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.99*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.19*	
		For Work In Restricted Working Space, Add	*2.39*	
		For Installation Above 14', Add	*1.19*	
		For Factory Applied Color Coating, Add	*1.10*	
26 05 33 13-0600	LF	3" Electrical Metallic Tubing (EMT) Conduit	13.81	3.68
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.15*	
		For Installation In Metal Stud Wall, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
		For Installation Above 14', Add	*1.38*	
		For Factory Applied Color Coating, Add	*1.38*	
26 05 33 13-0601	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	17.04	4.35
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.43*	
		For Installation In Metal Stud Wall, Add	*1.09*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.72*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	
		For Installation Above 14', Add	*1.63*	
		For Factory Applied Color Coating, Add	*1.85*	
26 05 33 13-0602	LF	4" Electrical Metallic Tubing (EMT) Conduit	22.55	6.50
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.85*	
		For Installation In Metal Stud Wall, Add	*1.62*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.06*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.44*	
		For Work In Restricted Working Space, Add	*4.87*	
		For Installation Above 14', Add	*2.44*	
		For Factory Applied Color Coating, Add	*1.89*	

26 05 33 13-0603 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0591)*

See CSI section 26 05 33 13-2205 for conduit field bending.

26 05 33 13-0604 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0591)*

26 05 33 13-0605	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.31	2.00
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0606	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.22	2.00
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
26 05 33 13-0607	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.15	2.35
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	
26 05 33 13-0608	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.19	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0609	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	10.07	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Installation Above 14', Add	*1.38*	
26 05 33 13-0610	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	13.70	5.02
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0611	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	18.75	6.70
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
26 05 33 13-0612	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	24.05	7.70
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
26 05 33 13-0613	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	27.59	8.37
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0614	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	80.66	23.55
		For Work In Restricted Working Space, Add	*22.87*	
		For Installation Above 14', Add	*11.43*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615		Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0591)*			
26 05 33 13-0616	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling		5.35	2.00
		For Work In Restricted Working Space, Add		*1.51*	
		For Installation Above 14', Add		*0.75*	
26 05 33 13-0617	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling		6.21	2.35
		For Work In Restricted Working Space, Add		*1.76*	
		For Installation Above 14', Add		*0.88*	
26 05 33 13-0618	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling		8.88	3.35
		For Work In Restricted Working Space, Add		*2.51*	
		For Installation Above 14', Add		*1.26*	
26 05 33 13-0619	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling		11.09	4.02
		For Work In Restricted Working Space, Add		*3.01*	
		For Installation Above 14', Add		*1.50*	
26 05 33 13-0620	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling		13.20	4.68
		For Work In Restricted Working Space, Add		*3.51*	
		For Installation Above 14', Add		*1.76*	
26 05 33 13-0621	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling		17.41	6.02
		For Work In Restricted Working Space, Add		*4.52*	
		For Installation Above 14', Add		*2.26*	
26 05 33 13-0622	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling		26.21	8.03
		For Work In Restricted Working Space, Add		*6.02*	
		For Installation Above 14', Add		*3.01*	
26 05 33 13-0623	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling		30.39	9.37
		For Work In Restricted Working Space, Add		*7.03*	
		For Installation Above 14', Add		*3.51*	
26 05 33 13-0624	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling		38.00	11.71
		For Work In Restricted Working Space, Add		*8.78*	
		For Installation Above 14', Add		*4.39*	
26 05 33 13-0625	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling		48.76	15.06
		For Work In Restricted Working Space, Add		*11.29*	
		For Installation Above 14', Add		*5.65*	
26 05 33 13-0626		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0591)*			
26 05 33 13-0627	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		4.29	1.67
		For Work In Restricted Working Space, Add		*1.25*	
		For Installation Above 14', Add		*0.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*1.25*	
26 05 33 13-0628	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		5.19	2.00
		For Work In Restricted Working Space, Add		*1.51*	
		For Installation Above 14', Add		*0.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*1.51*	
26 05 33 13-0629	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		6.15	2.35
		For Work In Restricted Working Space, Add		*1.76*	
		For Installation Above 14', Add		*0.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*1.76*	
26 05 33 13-0630	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		8.92	3.35
		For Work In Restricted Working Space, Add		*2.51*	
		For Installation Above 14', Add		*1.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.51*	
26 05 33 13-0631	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		10.83	4.02
		For Work In Restricted Working Space, Add		*3.01*	
		For Installation Above 14', Add		*1.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.01*	
26 05 33 13-0632	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		13.74	5.02
		For Work In Restricted Working Space, Add		*3.77*	
		For Installation Above 14', Add		*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.77*	
26 05 33 13-0633	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		20.04	6.70
		For Work In Restricted Working Space, Add		*5.02*	
		For Installation Above 14', Add		*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.02*	
26 05 33 13-0634	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		24.96	8.37
		For Work In Restricted Working Space, Add		*6.27*	
		For Installation Above 14', Add		*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.27*	
26 05 33 13-0635	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		29.65	10.03
		For Work In Restricted Working Space, Add		*7.53*	
		For Installation Above 14', Add		*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.53*	
26 05 33 13-0636	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw		34.55	11.71
		For Work In Restricted Working Space, Add		*8.78*	
		For Installation Above 14', Add		*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.78*	
26 05 33 13-0637		Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0591)*			
26 05 33 13-0638	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw		5.78	2.26
		For Work In Restricted Working Space, Add		*1.68*	
		For Installation Above 14', Add		*0.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*1.68*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0639	EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.38	2.43
	For Work In Restricted Working Space, Add	*1.83*	
	For Installation Above 14', Add	*0.92*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	
26 05 33 13-0640	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.95	3.01
	For Work In Restricted Working Space, Add	*2.24*	
	For Installation Above 14', Add	*1.12*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-0641	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.37	3.85
	For Work In Restricted Working Space, Add	*2.86*	
	For Installation Above 14', Add	*1.43*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 33 13-0642	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.25	4.43
	For Work In Restricted Working Space, Add	*3.34*	
	For Installation Above 14', Add	*1.67*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.34*	
26 05 33 13-0643	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.91	5.35
	For Work In Restricted Working Space, Add	*4.01*	
	For Installation Above 14', Add	*2.01*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-0644	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	23.59	7.45
	For Work In Restricted Working Space, Add	*5.57*	
	For Installation Above 14', Add	*2.79*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0645	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	30.76	9.87
	For Work In Restricted Working Space, Add	*7.43*	
	For Installation Above 14', Add	*3.71*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0646	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	39.37	12.71
	For Work In Restricted Working Space, Add	*9.56*	
	For Installation Above 14', Add	*4.78*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0647	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	50.08	16.73
	For Work In Restricted Working Space, Add	*12.55*	
	For Installation Above 14', Add	*6.27*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

26 05 33 13-0648 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0591)*

26 05 33 13-0649	EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.19	2.00
	For Work In Restricted Working Space, Add	*1.51*	
	For Installation Above 14', Add	*0.75*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.51*	
26 05 33 13-0650	EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.11	2.35
	For Work In Restricted Working Space, Add	*1.76*	
	For Installation Above 14', Add	*0.88*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.76*	
26 05 33 13-0651	EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.74	3.35
	For Work In Restricted Working Space, Add	*2.51*	
	For Installation Above 14', Add	*1.26*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 33 13-0652	EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.73	4.02
	For Work In Restricted Working Space, Add	*3.01*	
	For Installation Above 14', Add	*1.50*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-0653	EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.69	4.68
	For Work In Restricted Working Space, Add	*3.51*	
	For Installation Above 14', Add	*1.76*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-0654	EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.48	6.02
	For Work In Restricted Working Space, Add	*4.52*	
	For Installation Above 14', Add	*2.26*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0655	EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	24.37	8.03
	For Work In Restricted Working Space, Add	*6.02*	
	For Installation Above 14', Add	*3.01*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0656	EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	30.71	10.03
	For Work In Restricted Working Space, Add	*7.53*	
	For Installation Above 14', Add	*3.77*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0657	EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	37.92	11.71
	For Work In Restricted Working Space, Add	*8.78*	
	For Installation Above 14', Add	*4.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-0658	EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	42.84	13.38
	For Work In Restricted Working Space, Add	*10.04*	
	For Installation Above 14', Add	*5.02*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	

26 05 33 13-0659 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0591)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0660	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	5.89	2.26
		For Work In Restricted Working Space, Add	*1.68*	
		For Installation Above 14', Add	*0.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-0661	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	6.51	2.43
		For Work In Restricted Working Space, Add	*1.83*	
		For Installation Above 14', Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	
26 05 33 13-0662	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.06	3.01
		For Work In Restricted Working Space, Add	*2.24*	
		For Installation Above 14', Add	*1.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-0663	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.66	3.85
		For Work In Restricted Working Space, Add	*2.86*	
		For Installation Above 14', Add	*1.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.86*	
26 05 33 13-0664	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	12.73	4.43
		For Work In Restricted Working Space, Add	*3.34*	
		For Installation Above 14', Add	*1.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.34*	
26 05 33 13-0665	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.62	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Installation Above 14', Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-0666	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	26.17	7.45
		For Work In Restricted Working Space, Add	*5.57*	
		For Installation Above 14', Add	*2.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0667	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	35.10	9.87
		For Work In Restricted Working Space, Add	*7.43*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0668	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	46.99	12.71
		For Work In Restricted Working Space, Add	*9.56*	
		For Installation Above 14', Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0669	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	59.51	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

26 05 33 13-0670 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0591)*

Note: Excludes jumper.

26 05 33 13-0671	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	39.82	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Installation Above 14', Add	*4.17*	
26 05 33 13-0672	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	48.06	13.47
		For Work In Restricted Working Space, Add	*10.13*	
		For Installation Above 14', Add	*5.06*	
26 05 33 13-0673	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	59.26	16.90
		For Work In Restricted Working Space, Add	*12.65*	
		For Installation Above 14', Add	*6.33*	
26 05 33 13-0674	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	75.82	20.75
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.78*	
26 05 33 13-0675	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	93.10	24.34
		For Work In Restricted Working Space, Add	*18.26*	
		For Installation Above 14', Add	*9.13*	
26 05 33 13-0676	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	116.03	29.61
		For Work In Restricted Working Space, Add	*22.23*	
		For Installation Above 14', Add	*11.12*	
26 05 33 13-0677	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	207.41	38.06
		For Work In Restricted Working Space, Add	*28.55*	
		For Installation Above 14', Add	*14.28*	
26 05 33 13-0678	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	252.14	44.50
		For Work In Restricted Working Space, Add	*33.39*	
		For Installation Above 14', Add	*16.69*	
26 05 33 13-0679	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	304.98	48.51
		For Work In Restricted Working Space, Add	*36.40*	
		For Installation Above 14', Add	*18.20*	
26 05 33 13-0680	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	330.88	53.53
		For Work In Restricted Working Space, Add	*40.16*	
		For Installation Above 14', Add	*20.08*	

26 05 33 13-0681 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0591)

26 05 33 13-0682	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.15	3.01
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-0683	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.54	3.01
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0684	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	9.53	3.26
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-0685	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.03	3.77
		For Work In Restricted Working Space, Add	*2.82*	
		For Installation Above 14', Add	*1.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-0686	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	15.08	4.52
		For Work In Restricted Working Space, Add	*3.41*	
		For Installation Above 14', Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.41*	
26 05 33 13-0687	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	18.16	5.18
		For Work In Restricted Working Space, Add	*3.89*	
		For Installation Above 14', Add	*1.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-0688	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.45	6.53
		For Work In Restricted Working Space, Add	*4.87*	
		For Installation Above 14', Add	*2.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.87*	

26 05 33 13-0689 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0591)*

26 05 33 13-0690	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	16.94	7.53
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0691	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	19.75	8.78
		For Work In Restricted Working Space, Add	*5.27*	
		For Installation Above 14', Add	*2.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.27*	
26 05 33 13-0692	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	23.97	10.03
		For Work In Restricted Working Space, Add	*6.02*	
		For Installation Above 14', Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0693	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	30.46	12.55
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	

26 05 33 13-0694 Intermediate Metal Conduit (IMC) *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0695 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0694)*

Note: Includes field bending conduit up to 1".

26 05 33 13-0696	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	5.31	1.67
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000, Deduct	*-0.11*	
		For Installation In Metal Stub Wall, Add	*0.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.05*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.63*	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0697	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	5.94	1.84
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000, Deduct	*-0.13*	
		For Installation In Metal Stub Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Installation Above 14', Add	*0.69*	
26 05 33 13-0698	LF	1" Intermediate Metal Conduit (IMC) Conduit	7.10	2.00
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000, Deduct	*-0.21*	
		For Installation In Metal Stub Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.75*	
26 05 33 13-0699	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	8.48	4.02
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stub Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
		For Installation Above 14', Add	*0.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0700	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	9.80	2.68
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stub Wall, Add	*0.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.68*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
26 05 33 13-0701	LF	2" Intermediate Metal Conduit (IMC) Conduit	11.74	3.01
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stub Wall, Add	*0.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.88*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0702	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	19.36	4.02
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.93*	
		For Installation In Metal Stub Wall, Add	*1.00*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.51*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.01*	
		For Installation Above 14', Add	*1.50*	
26 05 33 13-0703	LF	3" Intermediate Metal Conduit (IMC) Conduit	24.03	5.02
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.15*	
		For Installation In Metal Stub Wall, Add	*1.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.14*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Installation Above 14', Add	*1.88*	
26 05 33 13-0704	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	28.36	6.02
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.33*	
		For Installation In Metal Stub Wall, Add	*1.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.77*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0705	LF	4" Intermediate Metal Conduit (IMC) Conduit	33.22	7.03
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.57*	
		For Installation In Metal Stub Wall, Add	*1.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.39*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.27*	
		For Installation Above 14', Add	*2.64*	
26 05 33 13-0706		Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0694)*		
		See CSI section 26 05 33 13-2205 for conduit field bending.		
26 05 33 13-0707	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	41.04	12.63
		For Work In Restricted Working Space, Add	*9.45*	
		For Installation Above 14', Add	*4.72*	
26 05 33 13-0708	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	49.96	14.63
		For Work In Restricted Working Space, Add	*10.97*	
		For Installation Above 14', Add	*5.49*	
26 05 33 13-0709	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	58.91	16.81
		For Work In Restricted Working Space, Add	*12.59*	
		For Installation Above 14', Add	*6.30*	
26 05 33 13-0710	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	70.55	18.48
		For Work In Restricted Working Space, Add	*13.85*	
		For Installation Above 14', Add	*6.93*	
26 05 33 13-0711	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	99.11	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0712	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	141.99	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Installation Above 14', Add	*11.79*	
26 05 33 13-0713	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	200.56	35.46
		For Work In Restricted Working Space, Add	*26.60*	
		For Installation Above 14', Add	*13.30*	
26 05 33 13-0714	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	245.19	46.18
		For Work In Restricted Working Space, Add	*34.62*	
		For Installation Above 14', Add	*17.31*	
26 05 33 13-0715		Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0694)*		

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716		EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.29	4.35
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-0717		EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	13.26	0.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-0718		EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	17.08	6.35
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-0719		EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.81	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-0720		EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	23.15	8.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0721		EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	29.63	10.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-0722		EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	53.37	16.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0723		EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	67.14	22.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0724		EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	86.31	27.10
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-0725		EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	101.57	31.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	

26 05 33 13-0726 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0694)*

Note: 3-Piece coupling.

26 05 33 13-0727		EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	36.71	13.38
			For Work In Restricted Working Space, Add	*10.05*	
			For Installation Above 14', Add	*5.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0728		EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	41.53	14.97
			For Work In Restricted Working Space, Add	*11.22*	
			For Installation Above 14', Add	*5.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 05 33 13-0729		EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	49.63	16.65
			For Work In Restricted Working Space, Add	*12.50*	
			For Installation Above 14', Add	*6.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 05 33 13-0730		EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	60.25	18.23
			For Work In Restricted Working Space, Add	*13.67*	
			For Installation Above 14', Add	*6.84*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 05 33 13-0731		EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	68.27	19.91
			For Work In Restricted Working Space, Add	*14.96*	
			For Installation Above 14', Add	*7.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 05 33 13-0732		EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	90.83	21.58
			For Work In Restricted Working Space, Add	*16.20*	
			For Installation Above 14', Add	*8.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-0733		EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	145.70	26.76
			For Work In Restricted Working Space, Add	*20.08*	
			For Installation Above 14', Add	*10.04*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-0734		EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	203.77	33.46
			For Work In Restricted Working Space, Add	*25.09*	
			For Installation Above 14', Add	*12.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-0735		EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	293.41	40.15
			For Work In Restricted Working Space, Add	*30.12*	
			For Installation Above 14', Add	*15.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.12*	
26 05 33 13-0736		EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	337.18	43.50
			For Work In Restricted Working Space, Add	*32.62*	
			For Installation Above 14', Add	*16.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	

26 05 33 13-0737 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0694)*

26 05 33 13-0738		EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	20.23	6.70
			For Work In Restricted Working Space, Add	*5.02*	
			For Installation Above 14', Add	*2.51*	
26 05 33 13-0739		EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	22.54	7.36
			For Work In Restricted Working Space, Add	*5.52*	
			For Installation Above 14', Add	*2.76*	
26 05 33 13-0740		EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	25.84	8.37
			For Work In Restricted Working Space, Add	*6.28*	
			For Installation Above 14', Add	*3.14*	
26 05 33 13-0741		EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	29.08	9.03
			For Work In Restricted Working Space, Add	*6.77*	
			For Installation Above 14', Add	*3.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0742	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	34.16	10.03
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
26 05 33 13-0743	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.99	11.05
		For Work In Restricted Working Space, Add	*8.28*	
		For Installation Above 14', Add	*4.14*	
26 05 33 13-0744	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	54.93	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0745	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	68.02	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0746	EA	3-1/2"" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	81.70	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
26 05 33 13-0747	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	91.80	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	

26 05 33 13-0748 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0694)*

26 05 33 13-0749	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	18.19	6.70
		For Work In Restricted Working Space, Add	*5.02*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0750	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	23.10	8.37
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-0751	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	28.33	10.03
		For Work In Restricted Working Space, Add	*7.53*	
		For Installation Above 14', Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	
26 05 33 13-0752	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.85	11.71
		For Work In Restricted Working Space, Add	*8.78*	
		For Installation Above 14', Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-0753	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	39.35	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.04*	
26 05 33 13-0754	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	46.15	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0755	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	56.09	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0756	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	65.21	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-0757	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	79.27	21.75
		For Work In Restricted Working Space, Add	*16.31*	
		For Installation Above 14', Add	*8.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0758	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	89.96	23.42
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 05 33 13-0759 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0694)*

26 05 33 13-0760	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	96.49	13.38
		For Work In Restricted Working Space, Add	*10.04*	
		For Installation Above 14', Add	*5.02*	
26 05 33 13-0761	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	106.96	15.06
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
26 05 33 13-0762	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	118.87	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
26 05 33 13-0763	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	142.12	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
26 05 33 13-0764	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	172.09	20.08
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0765		EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	222.48	21.75
			For Work In Restricted Working Space, Add	*16.31*	
			For Installation Above 14', Add	*8.16*	
26 05 33 13-0766		EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	330.97	26.76
			For Work In Restricted Working Space, Add	*20.08*	
			For Installation Above 14', Add	*10.04*	
26 05 33 13-0767		EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	398.94	33.46
			For Work In Restricted Working Space, Add	*25.09*	
			For Installation Above 14', Add	*12.55*	
26 05 33 13-0768		EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	550.82	40.15
			For Work In Restricted Working Space, Add	*30.11*	
			For Installation Above 14', Add	*15.06*	
26 05 33 13-0769		EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	634.63	43.50
			For Work In Restricted Working Space, Add	*32.62*	
			For Installation Above 14', Add	*16.31*	

26 05 33 13-0770 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0694)*

26 05 33 13-0771		EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	66.08	20.91
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-0772		EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	78.67	25.10
			For Work In Restricted Working Space, Add	*15.06*	
			For Installation Above 14', Add	*7.53*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-0773		EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	95.16	29.28
			For Work In Restricted Working Space, Add	*17.57*	
			For Installation Above 14', Add	*8.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-0774		EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	111.37	33.46
			For Work In Restricted Working Space, Add	*20.08*	
			For Installation Above 14', Add	*10.04*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-0775		EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	142.21	37.64
			For Work In Restricted Working Space, Add	*22.59*	
			For Installation Above 14', Add	*11.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.59*	
26 05 33 13-0776		EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	170.34	41.83
			For Work In Restricted Working Space, Add	*25.09*	
			For Installation Above 14', Add	*12.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-0777		EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	235.08	50.19
			For Work In Restricted Working Space, Add	*30.11*	
			For Installation Above 14', Add	*15.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-0778		EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	281.66	58.56
			For Work In Restricted Working Space, Add	*35.13*	
			For Installation Above 14', Add	*17.57*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.13*	
26 05 33 13-0779		EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	608.42	66.92
			For Work In Restricted Working Space, Add	*40.15*	
			For Installation Above 14', Add	*20.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.15*	
26 05 33 13-0780		EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	699.83	75.29
			For Work In Restricted Working Space, Add	*45.17*	
			For Installation Above 14', Add	*22.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	

26 05 33 13-0781 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0694)*

26 05 33 13-0782		EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	10.86	4.02
			For Work In Restricted Working Space, Add	*3.01*	
			For Installation Above 14', Add	*1.50*	
26 05 33 13-0783		EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	15.22	5.68
			For Work In Restricted Working Space, Add	*4.27*	
			For Installation Above 14', Add	*2.13*	
26 05 33 13-0784		EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	19.89	7.36
			For Work In Restricted Working Space, Add	*5.52*	
			For Installation Above 14', Add	*2.76*	
26 05 33 13-0785		EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.79	8.37
			For Work In Restricted Working Space, Add	*6.28*	
			For Installation Above 14', Add	*3.14*	
26 05 33 13-0786		EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	27.44	10.03
			For Work In Restricted Working Space, Add	*7.52*	
			For Installation Above 14', Add	*3.76*	
26 05 33 13-0787		EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	31.56	11.38
			For Work In Restricted Working Space, Add	*8.54*	
			For Installation Above 14', Add	*4.27*	
26 05 33 13-0788		EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	38.66	12.71
			For Work In Restricted Working Space, Add	*9.53*	
			For Installation Above 14', Add	*4.77*	
26 05 33 13-0789		EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	45.38	14.38
			For Work In Restricted Working Space, Add	*10.79*	
			For Installation Above 14', Add	*5.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0790	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	51.90	15.73
		For Work In Restricted Working Space, Add	*11.80*	
		For Installation Above 14', Add	*5.90*	
26 05 33 13-0791	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	54.49	16.73
		For Work In Restricted Working Space, Add	*12.54*	
		For Installation Above 14', Add	*6.27*	

26 05 33 13-0792 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0694)*

26 05 33 13-0793	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	5.11	1.67
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	
26 05 33 13-0794	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.64	1.67
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation Above 14', Add	*0.63*	

26 05 33 13-0795 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0058)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0796 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0795)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-0797	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	10.78	2.35
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.93*	
		For Installation Above 14', Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-0798	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.41	2.68
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.07*	
		For Installation Above 14', Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 33 13-0799	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	15.77	3.35
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.37*	
		For Installation Above 14', Add	*1.26*	
		For Work In Restricted Working Space, Add	*2.51*	
26 05 33 13-0800	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	19.41	4.02
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.69*	
		For Installation Above 14', Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.01*	
26 05 33 13-0801	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	23.95	5.02
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.08*	
		For Installation Above 14', Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-0802	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	29.92	6.02
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.62*	
		For Installation Above 14', Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.52*	
26 05 33 13-0803	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	40.10	7.03
		For >250 To 500, Deduct	*-1.57*	
		For >500 To 1,000, Deduct	*-2.57*	
		For >1,000, Deduct	*-3.57*	
		For Installation Above 14', Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-0804	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	50.16	8.70
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000, Deduct	*-4.47*	
		For Installation Above 14', Add	*3.26*	
		For Work In Restricted Working Space, Add	*6.53*	
26 05 33 13-0805	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	61.51	10.70
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-5.48*	
		For Installation Above 14', Add	*4.01*	
		For Work In Restricted Working Space, Add	*8.03*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0806	LF			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	72.75	12.71
				For >250 To 500, Deduct	*-2.84*	
				For >500 To 1,000, Deduct	*-4.66*	
				For >1,000, Deduct	*-6.48*	
				For Installation Above 14', Add	*4.77*	
				For Work In Restricted Working Space, Add	*9.53*	
26 05 33 13-0807	LF			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	110.24	15.06
				For >250 To 500, Deduct	*-4.57*	
				For >500 To 1,000, Deduct	*-7.33*	
				For >1,000, Deduct	*-10.08*	
				For Installation Above 14', Add	*5.65*	
				For Work In Restricted Working Space, Add	*11.29*	
26 05 33 13-0808	LF			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	149.68	20.08
				For >250 To 500, Deduct	*-6.23*	
				For >500 To 1,000, Deduct	*-9.97*	
				For >1,000, Deduct	*-13.71*	
				For Installation Above 14', Add	*7.53*	
				For Work In Restricted Working Space, Add	*15.06*	

26 05 33 13-0809 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0795)*

26 05 33 13-0810	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	15.24	5.02
				For Installation Above 14', Add	*1.50*	
				For Work In Restricted Working Space, Add	*3.01*	
26 05 33 13-0811	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	19.68	7.11
				For Installation Above 14', Add	*2.13*	
				For Work In Restricted Working Space, Add	*4.27*	
26 05 33 13-0812	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	25.48	9.20
				For Installation Above 14', Add	*2.76*	
				For Work In Restricted Working Space, Add	*5.52*	
26 05 33 13-0813	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	29.17	10.45
				For Installation Above 14', Add	*3.14*	
				For Work In Restricted Working Space, Add	*6.27*	
26 05 33 13-0814	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	34.92	12.55
				For Installation Above 14', Add	*3.77*	
				For Work In Restricted Working Space, Add	*7.53*	
26 05 33 13-0815	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	42.81	14.22
				For Installation Above 14', Add	*4.27*	
				For Work In Restricted Working Space, Add	*8.53*	
26 05 33 13-0816	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	67.35	14.22
				For Installation Above 14', Add	*4.77*	
				For Work In Restricted Working Space, Add	*9.53*	
26 05 33 13-0817	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	79.16	19.66
				For Installation Above 14', Add	*5.39*	
				For Work In Restricted Working Space, Add	*10.79*	
26 05 33 13-0818	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	94.73	19.66
				For Installation Above 14', Add	*5.90*	
				For Work In Restricted Working Space, Add	*11.79*	
26 05 33 13-0819	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	106.63	20.91
				For Installation Above 14', Add	*6.27*	
				For Work In Restricted Working Space, Add	*12.55*	
26 05 33 13-0820	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	261.34	25.10
				For Installation Above 14', Add	*7.53*	
				For Work In Restricted Working Space, Add	*15.06*	
26 05 33 13-0821	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	294.43	29.28
				For Installation Above 14', Add	*8.78*	
				For Work In Restricted Working Space, Add	*17.57*	

26 05 33 13-0822 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0795)*

Note: 90, 45, or 30 degree.

26 05 33 13-0823	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	45.43	13.59
				For Installation Above 14', Add	*4.08*	
				For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-0824	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	52.65	16.86
				For Installation Above 14', Add	*5.06*	
				For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-0825	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	63.06	20.66
				For Installation Above 14', Add	*6.20*	
				For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0826	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	74.55	23.93
				For Installation Above 14', Add	*7.18*	
				For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0827	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	87.18	27.18
				For Installation Above 14', Add	*8.16*	
				For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0828	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	105.60	29.90
				For Installation Above 14', Add	*8.97*	
				For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0829	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	161.30	37.52
				For Installation Above 14', Add	*11.25*	
				For Work In Restricted Working Space, Add	*22.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0830	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	240.08	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0831	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	296.16	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0832	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	341.28	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0833	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	705.48	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-0834	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,108.25	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-0835 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0795)*

26 05 33 13-0836	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	106.07	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0837	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	119.46	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0838	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	136.35	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0839	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	162.33	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0840	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	225.51	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	

26 05 33 13-0841 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0795)*

26 05 33 13-0842	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	117.70	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0843	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	138.68	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0844	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	150.13	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0845	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	192.38	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0846	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	254.49	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0847	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	326.02	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	

26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0795)*

26 05 33 13-0849	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	131.61	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0850	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	148.69	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0851	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	167.81	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0852	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	202.35	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0853	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	287.79	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0854	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	365.11	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0855	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	459.88	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0856	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	519.64	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0857		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows** *(26 05 33 13-0795)*		
26 05 33 13-0858	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	155.63	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0859	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	172.18	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0860	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	194.49	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0861	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	240.77	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0862	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	347.38	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0863	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	431.34	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0864	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	500.32	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0865	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	593.88	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0866		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows** *(26 05 33 13-0795)*		
26 05 33 13-0867	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	174.32	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0868	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	194.06	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0869	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	220.74	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0870	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	274.21	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0871	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	379.90	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0872	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	484.32	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0873	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	598.65	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0874	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	662.04	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0875	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,103.34	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-0876		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows** *(26 05 33 13-0795)*		
26 05 33 13-0877	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	198.77	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0878	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	220.48	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0879	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	249.53	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0880	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	311.30	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0881	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	434.08	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0882	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	551.82	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0883	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	647.92	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0884	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	750.02	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0885	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,165.00	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-0886	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,595.47	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-0887 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0795)*

26 05 33 13-0888	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	232.80	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0889	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	244.04	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0890	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	288.05	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0891	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	362.93	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0892	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	507.14	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0893	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	642.81	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0894	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	784.89	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0895	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	921.17	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0896	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,366.13	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-0897	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,687.79	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-0898 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0795)*

26 05 33 13-0899	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	241.00	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-0900	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	283.89	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-0901	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	321.37	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-0902	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	378.46	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-0903	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	525.39	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-0904	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	670.80	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-0905	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	859.49	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-0906	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	959.99	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-0907	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,420.16	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-0908	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,734.70	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-0909 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0795)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0910	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	88.55	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0911	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	108.25	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0912	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	144.67	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0913	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	238.66	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0914	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	263.44	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0915	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	333.34	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0916	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	912.92	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0917	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,088.94	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,446.11	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0795)*

26 05 33 13-0920	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	84.82	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0921	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	104.03	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0922	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	144.67	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0923	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	236.49	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0924	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	254.69	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0925	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	333.45	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0926	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	875.59	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0927	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,061.72	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	
26 05 33 13-0928	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,446.05	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0795)*

26 05 33 13-0930	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	76.55	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0931	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	91.49	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0932	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	108.03	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0933	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	154.03	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0934	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	180.01	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0935	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	279.48	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0936	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	771.66	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0937	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	867.59	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	
26 05 33 13-0938	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,106.85	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

26 05 33 13-0939 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0795)*

26 05 33 13-0940	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	131.81	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0941	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	198.95	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0942	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	250.33	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0943	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	288.94	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0944	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	328.15	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0945	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	432.51	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0946	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,367.21	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0947	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,595.61	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,960.49	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

26 05 33 13-0949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0795)*

26 05 33 13-0950	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	146.48	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0951	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	212.79	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	252.97	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	293.28	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	340.06	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	537.16	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,525.12	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,146.89	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	
26 05 33 13-0958	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,239.56	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

26 05 33 13-0959 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0795)*

26 05 33 13-0960	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	115.65	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-0961	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	145.84	17.94
		For Installation Above 14', Add	*5.38*	
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0962	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	174.83	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.40*	
26 05 33 13-0963	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	193.60	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	
26 05 33 13-0964	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	261.25	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0965	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	370.14	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0966	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,236.43	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0967	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,391.11	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.67*	
26 05 33 13-0968	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,651.72	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	

26 05 33 13-0969 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0795)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0970	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	103.30	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-0971	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	116.48	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0972	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	144.33	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	
26 05 33 13-0973	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	189.44	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-0974	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	221.40	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-0975	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	302.54	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-0976	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	510.45	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.04*	
26 05 33 13-0977	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	653.19	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 05 33 13-0978	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	909.28	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.40*	
26 05 33 13-0979	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,042.93	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.39*	

26 05 33 13-0980 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0795)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0981	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	134.94	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0982	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	153.92	38.06
		For Installation Above 14', Add	*11.42*	
		For Work In Restricted Working Space, Add	*22.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.84*	
26 05 33 13-0983	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	188.52	41.87
		For Installation Above 14', Add	*12.56*	
		For Work In Restricted Working Space, Add	*25.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.12*	
26 05 33 13-0984	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	254.48	47.84
		For Installation Above 14', Add	*14.35*	
		For Work In Restricted Working Space, Add	*28.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.71*	
26 05 33 13-0985	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	301.21	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-0986	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	411.04	64.16
		For Installation Above 14', Add	*19.25*	
		For Work In Restricted Working Space, Add	*38.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.50*	

26 05 33 13-0987 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0795)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0988	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	118.79	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-0989	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	135.48	34.80
		For Installation Above 14', Add	*10.44*	
		For Work In Restricted Working Space, Add	*20.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.88*	
26 05 33 13-0990	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	164.38	38.06
		For Installation Above 14', Add	*11.42*	
		For Work In Restricted Working Space, Add	*22.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.84*	
26 05 33 13-0991	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	211.24	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-0992	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	250.85	47.84
		For Installation Above 14', Add	*14.35*	
		For Work In Restricted Working Space, Add	*28.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.71*	
26 05 33 13-0993	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	337.32	56.00
		For Installation Above 14', Add	*16.80*	
		For Work In Restricted Working Space, Add	*33.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.60*	
26 05 33 13-0994	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	543.72	81.56
		For Installation Above 14', Add	*24.47*	
		For Work In Restricted Working Space, Add	*48.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.94*	
26 05 33 13-0995	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	719.93	106.03
		For Installation Above 14', Add	*31.81*	
		For Work In Restricted Working Space, Add	*63.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.61*	
26 05 33 13-0996	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	990.98	130.49
		For Installation Above 14', Add	*39.15*	
		For Work In Restricted Working Space, Add	*78.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.29*	
26 05 33 13-0997	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,106.23	157.14
		For Installation Above 14', Add	*47.14*	
		For Work In Restricted Working Space, Add	*94.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.28*	

26 05 33 13-0998 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0795)*

26 05 33 13-0999	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	24.65	3.26
		For Installation Above 14', Add	*0.98*	
		For Work In Restricted Working Space, Add	*1.96*	
26 05 33 13-1000	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	27.63	3.81
		For Installation Above 14', Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
26 05 33 13-1001	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	36.04	4.89
		For Installation Above 14', Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.93*	
26 05 33 13-1002	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	46.39	5.98
		For Installation Above 14', Add	*1.79*	
		For Work In Restricted Working Space, Add	*3.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1003	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	51.89	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-1004	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	64.31	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
26 05 33 13-1005	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	83.39	9.24
		For Installation Above 14', Add	*2.77*	
		For Work In Restricted Working Space, Add	*5.54*	
26 05 33 13-1006	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	91.01	13.05
		For Installation Above 14', Add	*3.92*	
		For Work In Restricted Working Space, Add	*7.83*	
26 05 33 13-1007	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	110.74	14.68
		For Installation Above 14', Add	*4.40*	
		For Work In Restricted Working Space, Add	*8.81*	
26 05 33 13-1008	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	118.36	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
26 05 33 13-1009		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies** *(26 05 33 13-0795)*		
26 05 33 13-1010	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	117.03	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-1011	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	129.54	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-1012	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	151.35	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	
26 05 33 13-1013	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	179.71	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1014	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	224.13	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-1015	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	271.67	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-1016	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	393.59	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.04*	
26 05 33 13-1017	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	504.40	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.72*	
26 05 33 13-1018	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,014.65	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.40*	
26 05 33 13-1019	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,488.17	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.39*	
26 05 33 13-1020		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies** *(26 05 33 13-0795)*		
26 05 33 13-1021	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	201.43	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-1022	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	216.81	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-1023	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	247.57	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1024	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	277.03	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1025	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	336.16	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-1026	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	378.24	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-1027	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	532.15	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.04*	
26 05 33 13-1028	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	741.69	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.72*	
26 05 33 13-1029	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,083.56	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.40*	
26 05 33 13-1030	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,578.34	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.39*	

26 05 33 13-1031 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0795)*

26 05 33 13-1032	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	160.80	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-1033	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	171.31	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-1034	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	196.83	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	
26 05 33 13-1035	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	219.48	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1036	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	302.65	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-1037	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	380.26	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-1038	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	591.07	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.04*	
26 05 33 13-1039	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	861.57	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.72*	
26 05 33 13-1040	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,083.56	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.40*	

26 05 33 13-1041 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0795)*

26 05 33 13-1042	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	213.36	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1043	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	236.70	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-1044	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	293.59	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	
26 05 33 13-1045	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	362.14	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1046	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	504.22	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	
26 05 33 13-1047	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	604.29	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	

26 05 33 13-1048 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0795)*

26 05 33 13-1049	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	40.66	10.45
		For Installation Above 14', Add	*3.14*	
		For Work In Restricted Working Space, Add	*6.27*	
26 05 33 13-1050	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	54.03	12.55
		For Installation Above 14', Add	*3.77*	
		For Work In Restricted Working Space, Add	*7.53*	
26 05 33 13-1051	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	68.59	16.73
		For Installation Above 14', Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.04*	
26 05 33 13-1052	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	94.56	20.91
		For Installation Above 14', Add	*6.27*	
		For Work In Restricted Working Space, Add	*12.55*	
26 05 33 13-1053	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	124.26	25.10
		For Installation Above 14', Add	*7.53*	
		For Work In Restricted Working Space, Add	*15.06*	
26 05 33 13-1054	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	215.18	29.28
		For Installation Above 14', Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.57*	
26 05 33 13-1055	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	313.50	33.46
		For Installation Above 14', Add	*10.04*	
		For Work In Restricted Working Space, Add	*20.08*	
26 05 33 13-1056	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	391.49	37.64
		For Installation Above 14', Add	*11.29*	
		For Work In Restricted Working Space, Add	*22.59*	
26 05 33 13-1057	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	545.69	43.91
		For Installation Above 14', Add	*13.17*	
		For Work In Restricted Working Space, Add	*26.35*	
26 05 33 13-1058	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	662.84	50.19
		For Installation Above 14', Add	*15.06*	
		For Work In Restricted Working Space, Add	*30.11*	
26 05 33 13-1059	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,060.97	79.46
		For Installation Above 14', Add	*23.84*	
		For Work In Restricted Working Space, Add	*47.68*	
26 05 33 13-1060	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,449.18	121.29
		For Installation Above 14', Add	*36.39*	
		For Work In Restricted Working Space, Add	*72.77*	

26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0795)*

26 05 33 13-1062	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	151.53	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1063	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	179.33	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
26 05 33 13-1064	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	197.67	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1065	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	284.91	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1066	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	376.60	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1067	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	406.03	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1068	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	963.58	72.31
		For Installation Above 14', Add	*21.69*	
		For Work In Restricted Working Space, Add	*43.39*	
26 05 33 13-1069	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,014.89	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.73*	
26 05 33 13-1070	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,663.57	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1071	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,730.62	148.98
		For Installation Above 14', Add	*44.70*	
		For Work In Restricted Working Space, Add	*89.39*	

26 05 33 13-1072 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0795)*

26 05 33 13-1073	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	222.23	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1074	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	253.16	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1075	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	501.82	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1076	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	526.07	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1077	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	720.14	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1078	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	767.57	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-1079	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,478.44	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
26 05 33 13-1080	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,553.70	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
26 05 33 13-1081	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,278.18	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1082	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,578.65	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	

26 05 33 13-1083 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0795)*

26 05 33 13-1084	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	84.90	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1085	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	98.70	16.86
		For Installation Above 14', Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1086	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	117.53	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1087	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	138.78	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	

26 05 33 13-1088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0795)*

26 05 33 13-1089	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	66.48	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	76.59	16.86
		For Installation Above 14', Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1091	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	106.76	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1092	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	138.87	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1093	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	169.47	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1094	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	244.88	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1095	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	335.07	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	

26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0795)*

26 05 33 13-1097	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	84.94	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1098	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	101.25	16.86
		For Installation Above 14', Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1099	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	117.55	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1100	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	138.82	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0795)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	66.54	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	76.59	16.86
		For Installation Above 14', Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	99.13	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	124.05	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	145.34	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	167.60	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	315.37	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	360.41	51.11
		For Installation Above 14', Add	*15.33*	
		For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	388.53	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1111		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	478.82	75.03
			For Installation Above 14', Add	*22.51*	
			For Work In Restricted Working Space, Add	*45.02*	

26 05 33 13-1112 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0795)*

26 05 33 13-1113		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	139.60	26.10
			For Installation Above 14', Add	*7.83*	
			For Work In Restricted Working Space, Add	*15.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-1114		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	150.66	29.90
			For Installation Above 14', Add	*8.97*	
			For Work In Restricted Working Space, Add	*17.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.94*	
26 05 33 13-1115		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	164.73	34.25
			For Installation Above 14', Add	*10.28*	
			For Work In Restricted Working Space, Add	*20.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.55*	
26 05 33 13-1116		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	222.05	39.69
			For Installation Above 14', Add	*11.91*	
			For Work In Restricted Working Space, Add	*23.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1117		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	283.41	43.50
			For Installation Above 14', Add	*13.05*	
			For Work In Restricted Working Space, Add	*26.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.10*	

26 05 33 13-1118 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover *(26 05 33 13-0795)*

26 05 33 13-1119		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	168.79	26.10
			For Installation Above 14', Add	*7.83*	
			For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1120		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	181.63	29.90
			For Installation Above 14', Add	*8.97*	
			For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1121		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	212.40	34.25
			For Installation Above 14', Add	*10.28*	
			For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1122		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	304.78	39.69
			For Installation Above 14', Add	*11.91*	
			For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1123		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	497.79	43.50
			For Installation Above 14', Add	*13.05*	
			For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1124		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	537.21	52.19
			For Installation Above 14', Add	*15.66*	
			For Work In Restricted Working Space, Add	*31.32*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0795)*

26 05 33 13-1126		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	185.35	26.10
			For Installation Above 14', Add	*7.83*	
			For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1127		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	209.26	29.90
			For Installation Above 14', Add	*8.97*	
			For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1128		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	228.16	34.25
			For Installation Above 14', Add	*10.28*	
			For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1129		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	320.80	39.69
			For Installation Above 14', Add	*11.91*	
			For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1130		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	536.00	43.50
			For Installation Above 14', Add	*13.05*	
			For Work In Restricted Working Space, Add	*26.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	572.28	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	

26 05 33 13-1132 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0795)*

26 05 33 13-1133	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	185.49	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1134	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	204.37	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1135	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	243.38	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1136	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	333.00	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1137	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	554.21	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1138	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	594.72	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	

26 05 33 13-1139 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0795)*

26 05 33 13-1140	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	231.34	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1141	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	255.35	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1142	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	276.52	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1143	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	703.59	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	

26 05 33 13-1144 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0795)*

Note: Excludes cover.

26 05 33 13-1145	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	109.08	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1146	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	119.76	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1147	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	133.61	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1148	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	121.51	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1149	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	130.64	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1150	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	148.71	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	

26 05 33 13-1151 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0795)*

Note: Excludes cover.

26 05 33 13-1152	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	114.96	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	126.38	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1154	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	138.18	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	129.92	26.10
		For Installation Above 14', Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	141.49	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	159.88	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	

26 05 33 13-1158 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0795)*

26 05 33 13-1159	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	41.72	3.26
		For Installation Above 14', Add	*0.98*	
		For Work In Restricted Working Space, Add	*1.96*	
26 05 33 13-1160	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	56.84	3.81
		For Installation Above 14', Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
26 05 33 13-1161	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	53.61	3.81
		For Installation Above 14', Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
26 05 33 13-1162	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	47.59	3.81
		For Installation Above 14', Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
26 05 33 13-1163	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	234.26	5.43
		For Installation Above 14', Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-1164	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	208.13	5.43
		For Installation Above 14', Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0795)*

Note: Includes covers.

26 05 33 13-1166	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	240.00	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1167	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	269.38	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1168	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	373.82	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1169	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	445.38	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-1170	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	643.75	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
26 05 33 13-1171	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	811.42	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
26 05 33 13-1172	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,192.88	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1173	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,480.60	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	240.00	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	269.38	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	372.77	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	434.73	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-1178	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	653.55	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
26 05 33 13-1179	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	855.38	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,245.95	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1181	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,513.65	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
26 05 33 13-1182	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	240.00	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1183	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	269.38	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1184	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	372.77	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1185	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	434.73	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-1186	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	653.55	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
26 05 33 13-1187	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	855.38	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
26 05 33 13-1188	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,245.95	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1189	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,513.65	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	
26 05 33 13-1190	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	240.00	34.25
		For Installation Above 14', Add	*10.28*	
		For Work In Restricted Working Space, Add	*20.55*	
26 05 33 13-1191	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	269.38	39.69
		For Installation Above 14', Add	*11.91*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1192	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	373.82	43.50
		For Installation Above 14', Add	*13.05*	
		For Work In Restricted Working Space, Add	*26.10*	
26 05 33 13-1193	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	440.47	52.19
		For Installation Above 14', Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-1194	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	643.75	73.40
		For Installation Above 14', Add	*22.02*	
		For Work In Restricted Working Space, Add	*44.04*	
26 05 33 13-1195	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	811.42	97.87
		For Installation Above 14', Add	*29.36*	
		For Work In Restricted Working Space, Add	*58.72*	
26 05 33 13-1196	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,192.88	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1197	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,494.36	148.98
		For Installation Above 14', Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.39*	

26 05 33 13-1198 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0795)*

26 05 33 13-1199	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	121.51	4.89
		For Installation Above 14', Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.93*	
26 05 33 13-1200	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	122.61	5.43
		For Installation Above 14', Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-1201	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	173.34	7.61
		For Installation Above 14', Add	*2.28*	
		For Work In Restricted Working Space, Add	*4.57*	
26 05 33 13-1202	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	175.51	8.70
		For Installation Above 14', Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.22*	
26 05 33 13-1203	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	307.57	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
26 05 33 13-1204	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	313.01	13.05
		For Installation Above 14', Add	*3.92*	
		For Work In Restricted Working Space, Add	*7.83*	
26 05 33 13-1205	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	472.34	14.68
		For Installation Above 14', Add	*4.40*	
		For Work In Restricted Working Space, Add	*8.81*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1206		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	481.04	19.03
			For Installation Above 14', Add	*5.71*	
			For Work In Restricted Working Space, Add	*11.42*	

26 05 33 13-1207 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0795)*

26 05 33 13-1208		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	208.33	13.59
			For Installation Above 14', Add	*4.08*	
			For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1209		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	246.00	16.86
			For Installation Above 14', Add	*5.06*	
			For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1210		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	291.07	20.66
			For Installation Above 14', Add	*6.20*	
			For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1211		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	358.85	23.93
			For Installation Above 14', Add	*7.18*	
			For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1212		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	480.58	27.18
			For Installation Above 14', Add	*8.16*	
			For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1213		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	666.78	29.90
			For Installation Above 14', Add	*8.97*	
			For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1214		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	953.22	37.52
			For Installation Above 14', Add	*11.25*	
			For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1215		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,184.46	51.11
			For Installation Above 14', Add	*15.33*	
			For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-1216		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,664.41	57.63
			For Installation Above 14', Add	*17.29*	
			For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-1217		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,916.72	75.03
			For Installation Above 14', Add	*22.51*	
			For Work In Restricted Working Space, Add	*45.02*	

26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0795)*

26 05 33 13-1219		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	332.43	13.59
			For Installation Above 14', Add	*4.08*	
			For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1220		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	344.71	16.86
			For Installation Above 14', Add	*5.06*	
			For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1221		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	386.85	20.66
			For Installation Above 14', Add	*6.20*	
			For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1222		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	468.30	23.93
			For Installation Above 14', Add	*7.18*	
			For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1223		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	567.97	27.18
			For Installation Above 14', Add	*8.16*	
			For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1224		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	726.95	29.90
			For Installation Above 14', Add	*8.97*	
			For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1225		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,074.41	37.52
			For Installation Above 14', Add	*11.25*	
			For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1226		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,346.41	51.11
			For Installation Above 14', Add	*15.33*	
			For Work In Restricted Working Space, Add	*30.67*	
26 05 33 13-1227		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,716.69	57.63
			For Installation Above 14', Add	*17.29*	
			For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-1228		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,148.27	75.03
			For Installation Above 14', Add	*22.51*	
			For Work In Restricted Working Space, Add	*45.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1229		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs** *(26 05 33 13-0795)*		
26 05 33 13-1230	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	68.47	6.53
		For Installation Above 14', Add	*1.96*	
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-1231	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	74.07	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1232	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	81.37	9.78
		For Installation Above 14', Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-1233	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	91.91	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1234	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	124.01	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1235	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	151.77	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1236	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	217.69	19.03
		For Installation Above 14', Add	*5.71*	
		For Work In Restricted Working Space, Add	*11.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.42*	
26 05 33 13-1237	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	284.08	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1238	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	363.32	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1239	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	456.75	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1240	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	565.72	60.89
		For Installation Above 14', Add	*18.27*	
		For Work In Restricted Working Space, Add	*36.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.54*	
26 05 33 13-1241	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	853.19	91.88
		For Installation Above 14', Add	*27.57*	
		For Work In Restricted Working Space, Add	*55.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.13*	
26 05 33 13-1242		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs** *(26 05 33 13-0795)*		
26 05 33 13-1243	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	103.73	6.53
		For Installation Above 14', Add	*1.96*	
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-1244	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	109.58	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1245	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	117.66	9.78
		For Installation Above 14', Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-1246	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	134.23	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1247	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	143.99	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1248	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	162.90	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1249	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	248.92	19.03
		For Installation Above 14', Add	*5.71*	
		For Work In Restricted Working Space, Add	*11.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.42*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1250	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	297.54	25.55
	For Installation Above 14', Add	*7.67*	
	For Work In Restricted Working Space, Add	*15.33*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1251	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	366.23	28.82
	For Installation Above 14', Add	*8.64*	
	For Work In Restricted Working Space, Add	*17.29*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1252	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	475.53	37.52
	For Installation Above 14', Add	*11.25*	
	For Work In Restricted Working Space, Add	*22.51*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1253	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	739.36	60.89
	For Installation Above 14', Add	*18.27*	
	For Work In Restricted Working Space, Add	*36.54*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.54*	
26 05 33 13-1254	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,211.04	91.88
	For Installation Above 14', Add	*27.57*	
	For Work In Restricted Working Space, Add	*55.13*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.13*	
26 05 33 13-1255	**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs** *(26 05 33 13-0795)*		
26 05 33 13-1256	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	111.57	6.53
	For Installation Above 14', Add	*1.96*	
	For Work In Restricted Working Space, Add	*3.92*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-1257	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	117.02	8.16
	For Installation Above 14', Add	*2.45*	
	For Work In Restricted Working Space, Add	*4.89*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1258	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	125.43	9.78
	For Installation Above 14', Add	*2.94*	
	For Work In Restricted Working Space, Add	*5.87*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-1259	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	157.83	11.96
	For Installation Above 14', Add	*3.59*	
	For Work In Restricted Working Space, Add	*7.18*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1260	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	172.48	13.59
	For Installation Above 14', Add	*4.08*	
	For Work In Restricted Working Space, Add	*8.15*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1261	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	182.56	15.23
	For Installation Above 14', Add	*4.57*	
	For Work In Restricted Working Space, Add	*9.14*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1262	**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions** *(26 05 33 13-0795)*		
26 05 33 13-1263	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	81.57	13.59
	For Installation Above 14', Add	*4.08*	
	For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1264	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	89.09	16.86
	For Installation Above 14', Add	*5.06*	
	For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1265	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	115.57	20.66
	For Installation Above 14', Add	*6.20*	
	For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1266	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	167.34	23.93
	For Installation Above 14', Add	*7.18*	
	For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1267	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	198.49	27.18
	For Installation Above 14', Add	*8.16*	
	For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1268	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	251.87	29.90
	For Installation Above 14', Add	*8.97*	
	For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1269	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	335.05	37.52
	For Installation Above 14', Add	*11.25*	
	For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1270	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	433.51	37.52
	For Installation Above 14', Add	*11.25*	
	For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1271	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	559.94	57.63
	For Installation Above 14', Add	*17.29*	
	For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-1272	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	721.02	75.03
	For Installation Above 14', Add	*22.51*	
	For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-1273	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,311.86	122.33
	For Installation Above 14', Add	*36.70*	
	For Work In Restricted Working Space, Add	*73.40*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1274	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,638.56	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-1275 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0795)*

26 05 33 13-1276	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	83.40	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-1277	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	96.09	16.86
		For Installation Above 14', Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
26 05 33 13-1278	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	119.30	20.66
		For Installation Above 14', Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
26 05 33 13-1279	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	174.18	23.93
		For Installation Above 14', Add	*7.18*	
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1280	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	207.99	27.18
		For Installation Above 14', Add	*8.16*	
		For Work In Restricted Working Space, Add	*16.31*	
26 05 33 13-1281	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	272.40	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	
26 05 33 13-1282	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	378.97	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1283	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	478.16	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
26 05 33 13-1284	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	640.67	57.63
		For Installation Above 14', Add	*17.29*	
		For Work In Restricted Working Space, Add	*34.58*	
26 05 33 13-1285	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	801.46	75.03
		For Installation Above 14', Add	*22.51*	
		For Work In Restricted Working Space, Add	*45.02*	
26 05 33 13-1286	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,459.31	122.33
		For Installation Above 14', Add	*36.70*	
		For Work In Restricted Working Space, Add	*73.40*	
26 05 33 13-1287	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,876.65	183.78
		For Installation Above 14', Add	*55.13*	
		For Work In Restricted Working Space, Add	*110.27*	

26 05 33 13-1288 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0795)*

26 05 33 13-1289	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	45.49	4.35
		For Installation Above 14', Add	*1.31*	
		For Work In Restricted Working Space, Add	*2.61*	
26 05 33 13-1290	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	49.89	5.43
		For Installation Above 14', Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-1291	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	56.76	5.43
		For Installation Above 14', Add	*1.63*	
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-1292	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.16	5.98
		For Installation Above 14', Add	*1.79*	
		For Work In Restricted Working Space, Add	*3.59*	
26 05 33 13-1293	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	74.13	5.98
		For Installation Above 14', Add	*1.79*	
		For Work In Restricted Working Space, Add	*3.59*	
26 05 33 13-1294	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	63.59	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-1295	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	72.44	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-1296	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	112.25	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-1297	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	124.77	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
26 05 33 13-1298	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	121.34	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
26 05 33 13-1299	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	127.72	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
26 05 33 13-1300	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	143.78	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1301	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	142.73	9.78
		For Installation Above 14', Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.87*	
26 05 33 13-1302	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	181.95	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.16*	
26 05 33 13-1303	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	268.08	15.77
		For Installation Above 14', Add	*4.73*	
		For Work In Restricted Working Space, Add	*9.46*	
26 05 33 13-1304	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	358.65	21.75
		For Installation Above 14', Add	*6.53*	
		For Work In Restricted Working Space, Add	*13.05*	
26 05 33 13-1305	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	448.38	29.90
		For Installation Above 14', Add	*8.97*	
		For Work In Restricted Working Space, Add	*17.94*	

26 05 33 13-1306 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0795)*

26 05 33 13-1307	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.48	6.53
		For Installation Above 14', Add	*1.96*	
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-1308	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.03	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1309	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.24	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1310	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.33	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1311	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.25	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1312	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.54	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1313	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.14	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1314	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.37	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1315	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.58	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1316	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.68	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1317	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.00	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1318	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.68	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1319	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.29	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1320	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.65	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1321	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.88	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1322	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.97	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1323	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.75	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1324	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.69	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1325	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.29	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1326	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.80	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1327	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.10	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1328	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.32	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1329	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.11	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1330	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.89	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1331	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	104.85	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1332	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.83	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1333	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.56	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1334	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.09	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1335	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.32	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1336	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.67	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1337	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.47	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1338	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.97	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1339	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	109.34	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1340	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	130.24	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1341	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.72	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1342	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.11	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1343	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.86	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1344	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.41	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1345	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.89	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1346	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.26	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1347	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.76	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1348	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	91.28	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1349	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	116.06	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1350	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	131.67	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1351	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	156.55	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1352	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	230.12	51.65
		For Installation Above 14', Add	*15.50*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1353	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.63	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1354	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.38	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1355	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.98	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1356	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.95	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1357	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.52	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1358	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.04	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1359	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	99.71	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1360	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	124.99	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1361	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	139.72	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1362	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	170.12	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1363	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	250.41	51.65
		For Installation Above 14', Add	*15.50*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1364	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.46	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.18	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1366	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.24	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1367	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.22	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1368	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.09	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1369	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.32	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1370	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.07	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1371	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	137.22	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1372	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	159.87	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1373	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	190.50	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1374	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	264.32	51.65
		For Installation Above 14', Add	*15.50*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1375	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.32	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1376	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.03	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1377	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.48	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1378	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.01	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1379	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.21	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1380	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.55	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1381	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	121.03	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1382	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.87	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1383	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	181.03	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1384	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	226.16	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1385	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	292.07	51.65
		For Installation Above 14', Add	*15.50*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1386	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.21	7.07
		For Installation Above 14', Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1387	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.02	8.16
		For Installation Above 14', Add	*2.45*	
		For Work In Restricted Working Space, Add	*4.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-1388	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.65	10.33
		For Installation Above 14', Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-1389	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.25	11.96
		For Installation Above 14', Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1390	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.60	13.59
		For Installation Above 14', Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 05 33 13-1391	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	85.97	15.23
		For Installation Above 14', Add	*4.57*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.13*	
26 05 33 13-1392	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.66	18.48
		For Installation Above 14', Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 05 33 13-1393	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	176.35	25.55
		For Installation Above 14', Add	*7.67*	
		For Work In Restricted Working Space, Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1394	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	194.01	28.82
		For Installation Above 14', Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-1395	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	237.09	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-1396	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	296.04	51.65
		For Installation Above 14', Add	*15.50*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	

26 05 33 13-1397 Aluminum Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1398 Aluminum Conduit With Threaded Coupling *(26 05 33 13-1397)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1399	LF	1/2" Aluminum Conduit With Threaded Coupling	5.20	1.67
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.63*	
		For Work In Restricted Working Space, Add	*1.25*	
26 05 33 13-1400	LF	3/4" Aluminum Conduit With Threaded Coupling	5.96	1.84
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-1401	LF	1" Aluminum Conduit With Threaded Coupling	6.96	2.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-1402	LF	1-1/4" Aluminum Conduit With Threaded Coupling	7.97	2.18
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.81*	
		For Work In Restricted Working Space, Add	*1.63*	
26 05 33 13-1403	LF	1-1/2" Aluminum Conduit With Threaded Coupling	9.00	2.35
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-1404	LF	2" Aluminum Conduit With Threaded Coupling	10.91	2.68
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 33 13-1405	LF	2-1/2" Aluminum Conduit With Threaded Coupling	15.02	3.35
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.26*	
		For Work In Restricted Working Space, Add	*2.51*	
26 05 33 13-1406	LF	3" Aluminum Conduit With Threaded Coupling	18.78	4.02
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.01*	
26 05 33 13-1407	LF	3-1/2" Aluminum Conduit With Threaded Coupling	23.05	5.02
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-1408	LF	4" Aluminum Conduit With Threaded Coupling	28.33	6.35
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.39*	
		For Work In Restricted Working Space, Add	*4.77*	
26 05 33 13-1409	LF	5" Aluminum Conduit With Threaded Coupling	37.87	8.03
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.01*	
		For Work In Restricted Working Space, Add	*6.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1410	LF	6" Aluminum Conduit With Threaded Coupling	48.52	10.03
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.77*	
		For Work In Restricted Working Space, Add	*7.53*	
26 05 33 13-1411		**Aluminum 90 Degree Elbows** *(26 05 33 13-1397)*		
26 05 33 13-1412	EA	1" Aluminum 90 Degree Elbow	32.59	8.70
		For Work In Restricted Working Space, Add	*6.53*	
26 05 33 13-1413	EA	1-1/4" Aluminum 90 Degree Elbow	41.90	9.87
		For Work In Restricted Working Space, Add	*7.40*	
26 05 33 13-1414	EA	1-1/2" Aluminum 90 Degree Elbow	51.35	11.38
		For Work In Restricted Working Space, Add	*8.53*	
26 05 33 13-1415	EA	2" Aluminum 90 Degree Elbow	66.36	13.05
		For Work In Restricted Working Space, Add	*9.79*	
26 05 33 13-1416	EA	2-1/2" Aluminum 90 Degree Elbow	96.57	15.90
		For Work In Restricted Working Space, Add	*11.92*	
26 05 33 13-1417	EA	3" Aluminum 90 Degree Elbow	139.24	20.58
		For Work In Restricted Working Space, Add	*15.43*	
26 05 33 13-1418	EA	3-1/2" Aluminum 90 Degree Elbow	194.64	23.08
		For Work In Restricted Working Space, Add	*17.31*	
26 05 33 13-1419	EA	4" Aluminum 90 Degree Elbow	234.72	28.94
		For Work In Restricted Working Space, Add	*21.71*	
26 05 33 13-1420	EA	5" Aluminum 90 Degree Elbow	598.01	47.18
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1421	EA	6" Aluminum 90 Degree Elbow	841.54	70.94
		For Work In Restricted Working Space, Add	*53.20*	
26 05 33 13-1422		**Aluminum Bushing Set With Locknut** *(26 05 33 13-1397)*		
26 05 33 13-1423	EA	1/2" Aluminum Bushing Set With Locknut	9.19	3.35
		For Work In Restricted Working Space, Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 33 13-1424	EA	3/4" Aluminum Bushing Set With Locknut	14.20	4.35
		For Work In Restricted Working Space, Add	*3.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1425	EA	1" Aluminum Bushing Set With Locknut	13.91	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-1426	EA	1-1/4" Aluminum Bushing Set With Locknut	15.65	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-1427	EA	1-1/2" Aluminum Bushing Set With Locknut	19.16	7.36
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-1428	EA	2" Aluminum Bushing Set With Locknut	23.42	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-1429	EA	2-1/2" Aluminum Bushing Set With Locknut	28.92	10.54
		For Work In Restricted Working Space, Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-1430	EA	3" Aluminum Bushing Set With Locknut	33.91	12.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-1431	EA	3-1/2" Aluminum Bushing Set With Locknut	36.68	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-1432	EA	4" Aluminum Bushing Set With Locknut	39.99	14.05
		For Work In Restricted Working Space, Add	*10.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.54*	
26 05 33 13-1433	EA	5" Aluminum Bushing Set With Locknut	52.92	18.73
		For Work In Restricted Working Space, Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 05 33 13-1434	EA	6" Aluminum Bushing Set With Locknut	78.61	28.11
		For Work In Restricted Working Space, Add	*21.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.08*	
26 05 33 13-1435		**Schedule 40 Polyvinyl Chloride (PVC) Conduit** *(26 05 33 13-0058)*		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1436		**Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings** *(26 05 33 13-1435)*		
		Note: Includes field bend conduit up to 1".		
26 05 33 13-1437	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.42	1.29
		For Schedule 60, Add	*0.21*	
		For Schedule 80, Add	*0.39*	
26 05 33 13-1438	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.81	1.41
		For Schedule 60, Add	*0.24*	
		For Schedule 80, Add	*0.45*	
26 05 33 13-1439	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.52	1.65
		For Schedule 60, Add	*0.31*	
		For Schedule 80, Add	*0.55*	
26 05 33 13-1440	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.24	1.88
		For Schedule 60, Add	*0.37*	
		For Schedule 80, Add	*0.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1441	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	6.14	2.19
		For Schedule 60, Add	*0.44*	
		For Schedule 80, Add	*0.77*	
26 05 33 13-1442	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	7.12	2.51
		For Schedule 60, Add	*0.52*	
		For Schedule 80, Add	*0.92*	
26 05 33 13-1443	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	8.79	2.98
		For Schedule 60, Add	*0.71*	
		For Schedule 80, Add	*1.21*	
26 05 33 13-1444	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	10.23	3.46
		For Schedule 60, Add	*0.83*	
		For Schedule 80, Add	*1.42*	
26 05 33 13-1445	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	12.25	4.09
		For Schedule 60, Add	*1.02*	
		For Schedule 80, Add	*1.74*	
26 05 33 13-1446	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	14.80	5.03
		For Schedule 60, Add	*1.19*	
		For Schedule 80, Add	*2.04*	
26 05 33 13-1447	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	20.91	7.06
		For Schedule 60, Add	*1.70*	
		For Schedule 80, Add	*2.90*	
26 05 33 13-1448	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	27.84	9.41
		For Schedule 60, Add	*2.25*	
		For Schedule 80, Add	*3.86*	

26 05 33 13-1449 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1435)*

See CSI section 26 05 33 13-2215 for conduit field bending.

26 05 33 13-1450	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	16.46	6.28
		For Schedule 60, Add	*0.98*	
		For Schedule 80, Add	*1.84*	
26 05 33 13-1451	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	18.15	6.91
		For Schedule 60, Add	*1.08*	
		For Schedule 80, Add	*2.04*	
26 05 33 13-1452	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	21.03	7.85
		For Schedule 60, Add	*1.33*	
		For Schedule 80, Add	*2.46*	
26 05 33 13-1453	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	27.17	10.05
		For Schedule 60, Add	*1.77*	
		For Schedule 80, Add	*3.23*	
26 05 33 13-1454	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	34.17	12.56
		For Schedule 60, Add	*2.26*	
		For Schedule 80, Add	*4.11*	
26 05 33 13-1455	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	42.94	15.69
		For Schedule 60, Add	*2.89*	
		For Schedule 80, Add	*5.22*	
26 05 33 13-1456	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	54.02	18.84
		For Schedule 60, Add	*4.09*	
		For Schedule 80, Add	*7.13*	
26 05 33 13-1457	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	66.61	21.97
		For Schedule 60, Add	*5.66*	
		For Schedule 80, Add	*9.58*	
26 05 33 13-1458	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	83.11	26.68
		For Schedule 60, Add	*7.43*	
		For Schedule 80, Add	*12.41*	
26 05 33 13-1459	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	99.61	31.40
		For Schedule 60, Add	*9.20*	
		For Schedule 80, Add	*15.24*	
26 05 33 13-1460	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	134.62	39.24
		For Schedule 60, Add	*14.03*	
		For Schedule 80, Add	*22.59*	
26 05 33 13-1461	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	164.34	47.09
		For Schedule 60, Add	*17.54*	
		For Schedule 80, Add	*28.08*	

26 05 33 13-1462 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1435)*

See CSI section 26 05 33 13-2215 for conduit field bending.

26 05 33 13-1463	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	16.31	6.28
		For Schedule 60, Add	*0.94*	
		For Schedule 80, Add	*1.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1464	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	18.09	6.91
		For Schedule 60, Add	*1.07*	
		For Schedule 80, Add	*2.01*	
26 05 33 13-1465	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	20.94	7.85
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*2.42*	
26 05 33 13-1466	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	26.92	10.05
		For Schedule 60, Add	*1.71*	
		For Schedule 80, Add	*3.14*	
26 05 33 13-1467	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	33.62	12.56
		For Schedule 60, Add	*2.13*	
		For Schedule 80, Add	*3.92*	
26 05 33 13-1468	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	42.64	15.69
		For Schedule 60, Add	*2.81*	
		For Schedule 80, Add	*5.11*	
26 05 33 13-1469	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	53.47	18.84
		For Schedule 60, Add	*3.95*	
		For Schedule 80, Add	*6.94*	
26 05 33 13-1470	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	65.91	21.97
		For Schedule 60, Add	*5.49*	
		For Schedule 80, Add	*9.33*	
26 05 33 13-1471	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	81.14	26.68
		For Schedule 60, Add	*6.94*	
		For Schedule 80, Add	*11.72*	
26 05 33 13-1472	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	97.92	31.40
		For Schedule 60, Add	*8.78*	
		For Schedule 80, Add	*14.65*	
26 05 33 13-1473	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	132.43	39.24
		For Schedule 60, Add	*13.48*	
		For Schedule 80, Add	*21.82*	
26 05 33 13-1474	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2215 for conduit field bending.	157.81	47.09
		For Schedule 60, Add	*15.90*	
		For Schedule 80, Add	*25.80*	

26 05 33 13-1475 Polyvinyl Chloride (PVC) Conduit Adapters *(26 05 33 13-1435)*

26 05 33 13-1476	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter	11.34	4.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1477	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter	13.02	5.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1478	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter	14.77	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1479	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	16.57	6.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	
26 05 33 13-1480	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	20.54	7.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-1481	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter	24.80	9.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1482	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	33.93	12.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1483	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter	42.76	15.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	
26 05 33 13-1484	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	55.53	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 05 33 13-1485	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter	67.41	25.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.84*	
26 05 33 13-1486	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter	87.60	31.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.55*	
26 05 33 13-1487	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter	109.05	39.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.44*	

26 05 33 13-1488 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1435)*

26 05 33 13-1489	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	12.52	3.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-1490	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.26	4.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1491	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	16.04	5.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1492	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.90	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1493	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	20.99	6.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1494	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.85	7.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1495	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	27.85	8.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-1496	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	31.61	9.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1497	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.38	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1498	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	41.31	12.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1499	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	50.11	14.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 05 33 13-1500	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	55.91	15.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	

26 05 33 13-1501 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1435)*

26 05 33 13-1502	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	12.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.62*	
26 05 33 13-1503	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	14.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.34*	
26 05 33 13-1504	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	16.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1505	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	18.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.37*	

26 05 33 13-1506 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1435)*

26 05 33 13-1507	EA	1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	34.96	12.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1508	EA	3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	40.35	14.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 05 33 13-1509	EA	1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	44.76	15.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	
26 05 33 13-1510	EA	1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	54.99	18.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.13*	
26 05 33 13-1511	EA	1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	68.07	23.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.66*	
26 05 33 13-1512	EA	2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	86.94	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.19*	
26 05 33 13-1513	EA	2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	141.23	31.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.55*	
26 05 33 13-1514	EA	3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	151.20	34.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.90*	
26 05 33 13-1515	EA	3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	165.04	39.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.44*	
26 05 33 13-1516	EA	4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	184.94	45.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.14*	

26 05 33 13-1517 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1435)*

26 05 33 13-1518	EA	1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	46.56	16.73
		For Schedule 60, Add	*3.27*	
		For Schedule 80, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-1519	EA	3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	51.88	18.40
		For Schedule 60, Add	*3.77*	
		For Schedule 80, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-1520	EA	1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	56.13	20.08
		For Schedule 60, Add	*3.99*	
		For Schedule 80, Add	*7.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-1521	EA	1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	69.41	23.42
		For Schedule 60, Add	*5.64*	
		For Schedule 80, Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-1522	EA	1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	83.84	28.44
		For Schedule 60, Add	*6.74*	
		For Schedule 80, Add	*11.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-1523	EA	2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	102.10	33.46
		For Schedule 60, Add	*8.80*	
		For Schedule 80, Add	*14.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	

26 05 33 13-1524 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1435)*

26 05 33 13-1525	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	70.28	15.69
26 05 33 13-1526	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	78.86	18.84
26 05 33 13-1527	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	87.93	21.97
26 05 33 13-1528	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	96.49	25.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1529	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	104.85	28.25
26 05 33 13-1530	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	114.53	31.40
26 05 33 13-1531	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	139.12	36.11
26 05 33 13-1532	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	165.55	40.81
26 05 33 13-1533	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	193.46	47.09
26 05 33 13-1534	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	229.58	54.95
26 05 33 13-1535	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	299.18	65.93
26 05 33 13-1536	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	392.68	84.77

26 05 33 13-1537 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1435)*

26 05 33 13-1538	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	9.45	3.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1539	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	11.16	3.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-1540	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	12.87	4.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1541	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	15.26	5.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1542	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	17.68	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1543	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	20.59	6.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	
26 05 33 13-1544	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	28.73	7.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1545	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	31.56	8.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-1546	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	39.81	9.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-1547	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	47.57	9.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.30*	
26 05 33 13-1548	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	54.45	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1549	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	68.32	12.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	

26 05 33 13-1550 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1435)*

26 05 33 13-1551	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	90.74	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.19*	
26 05 33 13-1552	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	88.67	18.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.13*	
26 05 33 13-1553	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	205.99	31.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.55*	
26 05 33 13-1554	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	391.40	45.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.14*	

26 05 33 13-1555 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0058)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1556 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1555)*

26 05 33 13-1557	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.02	1.29
26 05 33 13-1558	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.57	1.41
26 05 33 13-1559	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.27	1.63
26 05 33 13-1560	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.98	1.88
26 05 33 13-1561	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.95	2.19
26 05 33 13-1562	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.80	2.51
26 05 33 13-1563	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.47	2.98
26 05 33 13-1564	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.25	3.46
26 05 33 13-1565	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.28	4.09
26 05 33 13-1566	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.08	5.03
26 05 33 13-1567	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.31	7.06
26 05 33 13-1568	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	30.62	9.41

26 05 33 13-1569 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1555)*

26 05 33 13-1570	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	49.08	6.28
		For 24" Radius, Add	*3.29*	
		For 36" Radius, Add	*4.91*	
		For 48" Radius, Add	*6.53*	
26 05 33 13-1571	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	54.65	6.91
		For 24" Radius, Add	*3.67*	
		For 36" Radius, Add	*5.47*	
		For 48" Radius, Add	*7.26*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	57.38	7.85
		For 24" Radius, Add	*3.81*	
		For 36" Radius, Add	*5.74*	
		For 48" Radius, Add	*7.66*	
26 05 33 13-1573	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	63.25	10.05
		For 24" Radius, Add	*4.12*	
		For 36" Radius, Add	*6.33*	
		For 48" Radius, Add	*8.53*	
26 05 33 13-1574	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	69.91	12.56
		For 24" Radius, Add	*4.46*	
		For 36" Radius, Add	*6.99*	
		For 48" Radius, Add	*9.52*	
26 05 33 13-1575	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	83.06	15.69
		For 24" Radius, Add	*5.25*	
		For 36" Radius, Add	*8.31*	
		For 48" Radius, Add	*11.36*	
26 05 33 13-1576	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	99.53	18.84
		For 24" Radius, Add	*6.29*	
		For 36" Radius, Add	*9.95*	
		For 48" Radius, Add	*13.62*	
26 05 33 13-1577	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	117.88	21.97
		For 24" Radius, Add	*7.47*	
		For 36" Radius, Add	*11.79*	
		For 48" Radius, Add	*16.11*	
26 05 33 13-1578	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	137.52	26.68
		For 24" Radius, Add	*8.65*	
		For 36" Radius, Add	*13.75*	
		For 48" Radius, Add	*18.86*	
26 05 33 13-1579	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	157.16	31.40
		For 24" Radius, Add	*9.82*	
		For 36" Radius, Add	*15.72*	
		For 48" Radius, Add	*21.61*	
26 05 33 13-1580	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	196.45	39.24
		For 24" Radius, Add	*12.28*	
		For 36" Radius, Add	*19.65*	
		For 48" Radius, Add	*27.01*	
26 05 33 13-1581	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	240.65	47.09
		For 24" Radius, Add	*15.11*	
		For 36" Radius, Add	*24.07*	
		For 48" Radius, Add	*33.02*	

26 05 33 13-1582 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1555)*

26 05 33 13-1583	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	43.07	6.28
		For 24" Radius, Add	*2.84*	
		For 36" Radius, Add	*4.31*	
		For 48" Radius, Add	*5.78*	
26 05 33 13-1584	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	47.92	6.91
		For 24" Radius, Add	*3.16*	
		For 36" Radius, Add	*4.79*	
		For 48" Radius, Add	*6.42*	
26 05 33 13-1585	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	50.58	7.85
		For 24" Radius, Add	*3.30*	
		For 36" Radius, Add	*5.06*	
		For 48" Radius, Add	*6.81*	
26 05 33 13-1586	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	56.38	10.05
		For 24" Radius, Add	*3.60*	
		For 36" Radius, Add	*5.64*	
		For 48" Radius, Add	*7.68*	
26 05 33 13-1587	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	62.97	12.56
		For 24" Radius, Add	*3.94*	
		For 36" Radius, Add	*6.30*	
		For 48" Radius, Add	*8.66*	
26 05 33 13-1588	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	75.17	15.69
		For 24" Radius, Add	*4.66*	
		For 36" Radius, Add	*7.52*	
		For 48" Radius, Add	*10.38*	
26 05 33 13-1589	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	90.09	18.84
		For 24" Radius, Add	*5.58*	
		For 36" Radius, Add	*9.01*	
		For 48" Radius, Add	*12.44*	
26 05 33 13-1590	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	106.55	21.97
		For 24" Radius, Add	*6.62*	
		For 36" Radius, Add	*10.66*	
		For 48" Radius, Add	*14.69*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1591	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	124.77	26.68
		For 24" Radius, Add	*7.69*	
		For 36" Radius, Add	*12.48*	
		For 48" Radius, Add	*17.26*	
26 05 33 13-1592	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	143.00	31.40
		For 24" Radius, Add	*8.76*	
		For 36" Radius, Add	*14.30*	
		For 48" Radius, Add	*19.84*	
26 05 33 13-1593	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	178.75	39.24
		For 24" Radius, Add	*10.95*	
		For 36" Radius, Add	*17.88*	
		For 48" Radius, Add	*24.80*	
26 05 33 13-1594	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	218.53	47.09
		For 24" Radius, Add	*13.45*	
		For 36" Radius, Add	*21.85*	
		For 48" Radius, Add	*30.26*	
26 05 33 13-1595		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1555)*		
26 05 33 13-1596	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	39.84	5.65
		For 24" Radius, Add	*2.63*	
		For 36" Radius, Add	*3.98*	
		For 48" Radius, Add	*5.33*	
26 05 33 13-1597	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	44.32	6.22
		For 24" Radius, Add	*2.94*	
		For 36" Radius, Add	*4.43*	
		For 48" Radius, Add	*5.93*	
26 05 33 13-1598	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	46.73	7.06
		For 24" Radius, Add	*3.06*	
		For 36" Radius, Add	*4.67*	
		For 48" Radius, Add	*6.28*	
26 05 33 13-1599	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	51.97	9.04
		For 24" Radius, Add	*3.33*	
		For 36" Radius, Add	*5.20*	
		For 48" Radius, Add	*7.06*	
26 05 33 13-1600	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	57.90	11.30
		For 24" Radius, Add	*3.64*	
		For 36" Radius, Add	*5.79*	
		For 48" Radius, Add	*7.94*	
26 05 33 13-1601	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	69.07	14.13
		For 24" Radius, Add	*4.30*	
		For 36" Radius, Add	*6.91*	
		For 48" Radius, Add	*9.52*	
26 05 33 13-1602	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	82.77	16.96
		For 24" Radius, Add	*5.15*	
		For 36" Radius, Add	*8.28*	
		For 48" Radius, Add	*11.41*	
26 05 33 13-1603	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	97.91	19.78
		For 24" Radius, Add	*6.11*	
		For 36" Radius, Add	*9.79*	
		For 48" Radius, Add	*13.48*	
26 05 33 13-1604	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	114.55	24.02
		For 24" Radius, Add	*7.09*	
		For 36" Radius, Add	*11.46*	
		For 48" Radius, Add	*15.82*	
26 05 33 13-1605	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	131.21	28.25
		For 24" Radius, Add	*8.07*	
		For 36" Radius, Add	*13.12*	
		For 48" Radius, Add	*18.17*	
26 05 33 13-1606	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	164.02	35.33
		For 24" Radius, Add	*10.09*	
		For 36" Radius, Add	*16.40*	
		For 48" Radius, Add	*22.71*	
26 05 33 13-1607	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	200.61	42.39
		For 24" Radius, Add	*12.40*	
		For 36" Radius, Add	*20.06*	
		For 48" Radius, Add	*27.73*	
26 05 33 13-1608		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1555)*		
26 05 33 13-1609	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	38.17	5.65
		For 24" Radius, Add	*2.51*	
		For 36" Radius, Add	*3.82*	
		For 48" Radius, Add	*5.12*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1610	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	42.45	6.22
		For 24" Radius, Add	*2.80*	
		For 36" Radius, Add	*4.25*	
		For 48" Radius, Add	*5.69*	
26 05 33 13-1611	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	44.85	7.06
		For 24" Radius, Add	*2.92*	
		For 36" Radius, Add	*4.49*	
		For 48" Radius, Add	*6.05*	
26 05 33 13-1612	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	50.06	9.04
		For 24" Radius, Add	*3.19*	
		For 36" Radius, Add	*5.01*	
		For 48" Radius, Add	*6.82*	
26 05 33 13-1613	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	55.97	11.30
		For 24" Radius, Add	*3.49*	
		For 36" Radius, Add	*5.60*	
		For 48" Radius, Add	*7.70*	
26 05 33 13-1614	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	66.88	14.13
		For 24" Radius, Add	*4.13*	
		For 36" Radius, Add	*6.69*	
		For 48" Radius, Add	*9.24*	
26 05 33 13-1615	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	80.15	16.96
		For 24" Radius, Add	*4.95*	
		For 36" Radius, Add	*8.02*	
		For 48" Radius, Add	*11.08*	
26 05 33 13-1616	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	94.76	19.78
		For 24" Radius, Add	*5.87*	
		For 36" Radius, Add	*9.48*	
		For 48" Radius, Add	*13.08*	
26 05 33 13-1617	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	111.01	24.02
		For 24" Radius, Add	*6.82*	
		For 36" Radius, Add	*11.10*	
		For 48" Radius, Add	*15.38*	
26 05 33 13-1618	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	127.28	28.25
		For 24" Radius, Add	*7.78*	
		For 36" Radius, Add	*12.73*	
		For 48" Radius, Add	*17.68*	
26 05 33 13-1619	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	159.10	35.33
		For 24" Radius, Add	*9.73*	
		For 36" Radius, Add	*15.91*	
		For 48" Radius, Add	*22.10*	
26 05 33 13-1620	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	194.47	42.39
		For 24" Radius, Add	*11.94*	
		For 36" Radius, Add	*19.45*	
		For 48" Radius, Add	*26.96*	

26 05 33 13-1621 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1555)*

26 05 33 13-1622	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	24.81	4.40
26 05 33 13-1623	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	27.96	5.03
26 05 33 13-1624	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	29.69	5.65
26 05 33 13-1625	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	31.38	6.28
26 05 33 13-1626	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	35.63	7.85
26 05 33 13-1627	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	42.61	9.41
26 05 33 13-1628	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.34	12.56
26 05 33 13-1629	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	66.77	15.69
26 05 33 13-1630	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	81.99	20.41
26 05 33 13-1631	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	97.21	25.12
26 05 33 13-1632	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	121.51	31.40
26 05 33 13-1633	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	151.87	39.24

26 05 33 13-1634 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1555)*

26 05 33 13-1635	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	18.79	4.40
26 05 33 13-1636	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	21.23	5.03
26 05 33 13-1637	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.89	5.65
26 05 33 13-1638	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.54	6.28
26 05 33 13-1639	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	28.56	7.85
26 05 33 13-1640	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.54	9.41
26 05 33 13-1641	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.19	12.56
26 05 33 13-1642	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.19	15.69
26 05 33 13-1643	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	65.59	20.41

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1644	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	78.98	25.12
26 05 33 13-1645	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	98.75	31.40
26 05 33 13-1646	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	123.42	39.24
26 05 33 13-1647		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-1555)*		
26 05 33 13-1648	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	20.69	3.61
26 05 33 13-1649	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	23.34	5.03
26 05 33 13-1650	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.02	5.65
26 05 33 13-1651	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.65	6.28
26 05 33 13-1652	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.83	7.85
26 05 33 13-1653	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.90	9.41
26 05 33 13-1654	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.41	12.56
26 05 33 13-1655	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	58.45	15.69
26 05 33 13-1656	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	72.63	20.41
26 05 33 13-1657	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	86.80	25.12
26 05 33 13-1658	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	108.49	31.40
26 05 33 13-1659	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	135.63	39.24
26 05 33 13-1660		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-1555)*		
26 05 33 13-1661	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	49.92	15.69
26 05 33 13-1662	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	58.94	18.84
26 05 33 13-1663	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	66.93	21.97
26 05 33 13-1664	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	74.85	25.12
26 05 33 13-1665	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	82.98	28.25
26 05 33 13-1666	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	93.17	31.40
26 05 33 13-1667	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	107.88	36.11
26 05 33 13-1668	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	123.19	40.81
26 05 33 13-1669	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	141.53	47.09
26 05 33 13-1670	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	163.79	54.95
26 05 33 13-1671	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	190.02	62.79
26 05 33 13-1672	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	217.91	70.64
26 05 33 13-1673		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-1555)*		
26 05 33 13-1674	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	54.26	15.69
26 05 33 13-1675	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	63.81	18.84
26 05 33 13-1676	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	71.82	21.97
26 05 33 13-1677	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	79.79	25.12
26 05 33 13-1678	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	87.96	28.25
26 05 33 13-1679	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	98.86	31.40
26 05 33 13-1680	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	114.71	36.11
26 05 33 13-1681	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	131.38	40.81
26 05 33 13-1682	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	150.75	47.09
26 05 33 13-1683	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	174.04	54.95
26 05 33 13-1684	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	202.87	62.79
26 05 33 13-1685	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	233.97	70.64
26 05 33 13-1686		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-1555)*		
26 05 33 13-1687	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	46.71	4.40
26 05 33 13-1688	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	52.25	5.03
26 05 33 13-1689	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	55.04	5.65
26 05 33 13-1690	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	57.87	6.28
26 05 33 13-1691	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	62.45	7.85
26 05 33 13-1692	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	70.46	9.41
26 05 33 13-1693	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	87.70	12.56
26 05 33 13-1694	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	106.76	15.69
26 05 33 13-1695	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	126.98	20.41
26 05 33 13-1696	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	147.20	25.12
26 05 33 13-1697	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	184.03	31.40
26 05 33 13-1698	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	229.23	39.24
26 05 33 13-1699		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-1555)*		
26 05 33 13-1700	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	61.81	15.69
26 05 33 13-1701	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	72.17	18.84
26 05 33 13-1702	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	85.93	21.97
26 05 33 13-1703	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	104.56	25.12
26 05 33 13-1704	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	127.91	28.25
26 05 33 13-1705	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	163.36	31.40
26 05 33 13-1706	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	223.81	36.11
26 05 33 13-1707	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	267.64	40.81
26 05 33 13-1708	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	321.40	47.09

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1709		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	379.08	54.95
26 05 33 13-1710		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	444.11	62.79
26 05 33 13-1711		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	664.06	70.64

26 05 33 13-1712 Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover *(26 05 33 13-1555)*

26 05 33 13-1713		EA	1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	51.38	12.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1714		EA	3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	59.15	14.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 05 33 13-1715		EA	1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	75.57	15.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	
26 05 33 13-1716		EA	1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	91.96	18.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.13*	
26 05 33 13-1717		EA	1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	116.56	23.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.66*	
26 05 33 13-1718		EA	2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	156.11	28.25
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.19*	
26 05 33 13-1719		EA	2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	242.68	32.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-1720		EA	3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	307.87	37.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.26*	
26 05 33 13-1721		EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	368.96	43.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.96*	
26 05 33 13-1722		EA	4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	430.08	50.24
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-1723		EA	5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	504.53	56.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.38*	
26 05 33 13-1724		EA	6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	570.98	62.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.09*	

26 05 33 13-1725 Explosion Proof Conduit Fittings *(26 05 33 13-0058)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1726 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1725)*

26 05 33 13-1727		EA	1/2" Explosion Proof Malleable Iron Conduit Union	30.74	6.96
26 05 33 13-1728		EA	3/4" Explosion Proof Malleable Iron Conduit Union	37.60	7.70
26 05 33 13-1729		EA	1" Explosion Proof Malleable Iron Conduit Union	58.96	10.27
26 05 33 13-1730		EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	77.28	11.36
26 05 33 13-1731		EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	97.11	13.93
26 05 33 13-1732		EA	2" Explosion Proof Malleable Iron Conduit Union	120.56	16.13
26 05 33 13-1733		EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	182.97	23.06
26 05 33 13-1734		EA	3" Explosion Proof Malleable Iron Conduit Union	231.90	27.45
26 05 33 13-1735		EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	384.84	32.94
26 05 33 13-1736		EA	4" Explosion Proof Malleable Iron Conduit Union	410.66	42.09

26 05 33 13-1737 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1725)*

26 05 33 13-1738		EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	107.94	21.99
26 05 33 13-1739		EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	121.71	24.93
26 05 33 13-1740		EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	141.96	27.49
26 05 33 13-1741		EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	122.69	27.49
26 05 33 13-1742		EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	146.25	32.99
26 05 33 13-1743		EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	172.65	37.75

26 05 33 13-1744 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1725)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1745		EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	89.31	18.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.74*	
26 05 33 13-1746		EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	91.88	20.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.40*	
26 05 33 13-1747		EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	100.27	22.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.77*	
26 05 33 13-1748		EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	128.46	27.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.62*	
26 05 33 13-1749		EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	163.05	32.25
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1750	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	207.98	36.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.49*	
26 05 33 13-1751	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	297.02	54.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.17*	
26 05 33 13-1752	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	375.22	68.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.60*	
26 05 33 13-1753	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	522.89	75.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.82*	
26 05 33 13-1754	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	669.65	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.76*	

26 05 33 13-1755 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1725)*

26 05 33 13-1756	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	226.08	8.43
26 05 33 13-1757	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	295.31	9.53

26 05 33 13-1758 Conduit Installed Below Grade *(26 05 33 13-0057)*

Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.

26 05 33 13-1759 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1758)*

26 05 33 13-1760 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial *(26 05 33 13-1759)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1761	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.75	
		For Schedule 60, Add	*0.18*	
		For Schedule 80, Add	*0.33*	
26 05 33 13-1762	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.01	
		For Schedule 60, Add	*0.20*	
		For Schedule 80, Add	*0.37*	
26 05 33 13-1763	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.34	
		For Schedule 60, Add	*0.25*	
		For Schedule 80, Add	*0.43*	
26 05 33 13-1764	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.66	
		For Schedule 60, Add	*0.29*	
		For Schedule 80, Add	*0.50*	
26 05 33 13-1765	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.98	
		For Schedule 60, Add	*0.33*	
		For Schedule 80, Add	*0.56*	
26 05 33 13-1766	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.38	
		For Schedule 60, Add	*0.39*	
		For Schedule 80, Add	*0.65*	
26 05 33 13-1767	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.07	
		For Schedule 60, Add	*0.52*	
		For Schedule 80, Add	*0.84*	
26 05 33 13-1768	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.53	
		For Schedule 60, Add	*0.60*	
		For Schedule 80, Add	*0.95*	
26 05 33 13-1769	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.16	
		For Schedule 60, Add	*0.72*	
		For Schedule 80, Add	*1.13*	
26 05 33 13-1770	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.56	
		For Schedule 60, Add	*0.78*	
		For Schedule 80, Add	*1.22*	
26 05 33 13-1771	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.77	
		For Schedule 60, Add	*1.04*	
		For Schedule 80, Add	*1.59*	
26 05 33 13-1772	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	9.00	
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*1.97*	

26 05 33 13-1773 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1759)*

See CSI section 26 05 33 13-2215 for conduit field bending.

26 05 33 13-1774	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	20.39	
		For Schedule 60, Add	*1.17*	
		For Schedule 80, Add	*2.23*	
26 05 33 13-1775	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	24.43	
		For Schedule 60, Add	*1.40*	
		For Schedule 80, Add	*2.66*	
26 05 33 13-1776	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	28.88	
		For Schedule 60, Add	*1.73*	
		For Schedule 80, Add	*3.24*	
26 05 33 13-1777	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	33.45	
		For Schedule 60, Add	*2.08*	
		For Schedule 80, Add	*3.86*	
26 05 33 13-1778	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	38.10	
		For Schedule 60, Add	*2.46*	
		For Schedule 80, Add	*4.50*	
26 05 33 13-1779	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	42.94	
		For Schedule 60, Add	*2.89*	
		For Schedule 80, Add	*5.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1780	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	50.10	
		For Schedule 60, Add	*3.89*	
		For Schedule 80, Add	*6.74*	
26 05 33 13-1781	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	58.75	
		For Schedule 60, Add	*5.27*	
		For Schedule 80, Add	*8.79*	
26 05 33 13-1782	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	71.34	
		For Schedule 60, Add	*6.85*	
		For Schedule 80, Add	*11.23*	
26 05 33 13-1783	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	83.91	
		For Schedule 60, Add	*8.42*	
		For Schedule 80, Add	*13.67*	
26 05 33 13-1784	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	107.14	
		For Schedule 60, Add	*12.66*	
		For Schedule 80, Add	*19.84*	
26 05 33 13-1785	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	125.09	
		For Schedule 60, Add	*15.57*	
		For Schedule 80, Add	*24.16*	

26 05 33 13-1786 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1759)*

See CSI section 26 05 33 13-2215 for conduit field bending.

26 05 33 13-1787	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	20.24	
		For Schedule 60, Add	*1.14*	
		For Schedule 80, Add	*2.18*	
26 05 33 13-1788	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	24.37	
		For Schedule 60, Add	*1.38*	
		For Schedule 80, Add	*2.64*	
26 05 33 13-1789	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	28.79	
		For Schedule 60, Add	*1.70*	
		For Schedule 80, Add	*3.21*	
26 05 33 13-1790	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	33.20	
		For Schedule 60, Add	*2.02*	
		For Schedule 80, Add	*3.77*	
26 05 33 13-1791	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	37.55	
		For Schedule 60, Add	*2.32*	
		For Schedule 80, Add	*4.31*	
26 05 33 13-1792	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	42.64	
		For Schedule 60, Add	*2.81*	
		For Schedule 80, Add	*5.11*	
26 05 33 13-1793	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	49.55	
		For Schedule 60, Add	*3.75*	
		For Schedule 80, Add	*6.55*	
26 05 33 13-1794	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	58.05	
		For Schedule 60, Add	*5.09*	
		For Schedule 80, Add	*8.55*	
26 05 33 13-1795	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	69.37	
		For Schedule 60, Add	*6.35*	
		For Schedule 80, Add	*10.54*	
26 05 33 13-1796	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	82.22	
		For Schedule 60, Add	*8.00*	
		For Schedule 80, Add	*13.08*	
26 05 33 13-1797	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.95	
		For Schedule 60, Add	*12.11*	
		For Schedule 80, Add	*19.07*	
26 05 33 13-1798	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	118.56	
		For Schedule 60, Add	*13.94*	
		For Schedule 80, Add	*21.87*	

26 05 33 13-1799 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial *(26 05 33 13-1759)*

26 05 33 13-1800	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	11.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1801	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	13.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1802	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	14.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-1803	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	
26 05 33 13-1804	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	18.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-1805	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	20.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.65*	
26 05 33 13-1806	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	23.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.36*	
26 05 33 13-1807	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	27.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1808	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	31.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1809	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	36.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1810	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	44.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33 13-1811	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	50.17	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	
26 05 33 13-1812			Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1759)*		
	26 05 33 13-1813	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.46	
	26 05 33 13-1814	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	22.57	
	26 05 33 13-1815	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.64	
	26 05 33 13-1816	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.63	
	26 05 33 13-1817	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.61	
	26 05 33 13-1818	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	37.38	
	26 05 33 13-1819	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	41.31	
	26 05 33 13-1820	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	50.11	
	26 05 33 13-1821	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	55.91	
26 05 33 13-1822			Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial *(26 05 33 13-1759)*		
	26 05 33 13-1823	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	11.28	
	26 05 33 13-1824	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	13.02	
	26 05 33 13-1825	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	14.68	
	26 05 33 13-1826	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	16.42	
	26 05 33 13-1827	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	18.06	
	26 05 33 13-1828	EA	2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	19.91	
	26 05 33 13-1829	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	23.35	
	26 05 33 13-1830	EA	3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	26.55	
	26 05 33 13-1831	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	31.31	
	26 05 33 13-1832	EA	4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	35.34	
	26 05 33 13-1833	EA	5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	43.09	
	26 05 33 13-1834	EA	6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	48.56	
26 05 33 13-1835			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1758)*		
			Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1836			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1835)*		
			Note: Includes field bending for conduit up to 1".		
	26 05 33 13-1837	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.53	1.75
			For >250 To 500, Deduct	*-0.36*	
			For >500 To 1,000, Deduct	*-0.60*	
			For >1,000, Deduct	*-0.84*	
	26 05 33 13-1838	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	10.73	2.18
			For >250 To 500, Deduct	*-0.41*	
			For >500 To 1,000, Deduct	*-0.68*	
			For >1,000, Deduct	*-0.95*	
	26 05 33 13-1839	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.25	2.43
			For >250 To 500, Deduct	*-0.52*	
			For >500 To 1,000, Deduct	*-0.85*	
			For >1,000, Deduct	*-1.18*	
	26 05 33 13-1840	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.08	3.26
			For >250 To 500, Deduct	*-0.64*	
			For >500 To 1,000, Deduct	*-1.04*	
			For >1,000, Deduct	*-1.44*	
	26 05 33 13-1841	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	18.93	3.68
			For >250 To 500, Deduct	*-0.76*	
			For >500 To 1,000, Deduct	*-1.23*	
			For >1,000, Deduct	*-1.70*	
	26 05 33 13-1842	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.06	4.02
			For >250 To 500, Deduct	*-0.97*	
			For >500 To 1,000, Deduct	*-1.57*	
			For >1,000, Deduct	*-2.18*	
	26 05 33 13-1843	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	35.08	6.02
			For >250 To 500, Deduct	*-1.44*	
			For >500 To 1,000, Deduct	*-2.32*	
			For >1,000, Deduct	*-3.19*	
	26 05 33 13-1844	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	45.14	7.53
			For >250 To 500, Deduct	*-1.84*	
			For >500 To 1,000, Deduct	*-2.97*	
			For >1,000, Deduct	*-4.10*	
	26 05 33 13-1845	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	55.66	7.95
			For >250 To 500, Deduct	*-2.26*	
			For >500 To 1,000, Deduct	*-3.65*	
			For >1,000, Deduct	*-5.04*	
	26 05 33 13-1846	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	66.07	8.78
			For >250 To 500, Deduct	*-2.68*	
			For >500 To 1,000, Deduct	*-4.33*	
			For >1,000, Deduct	*-5.98*	
	26 05 33 13-1847	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	104.38	12.13
			For >250 To 500, Deduct	*-4.42*	
			For >500 To 1,000, Deduct	*-7.03*	
			For >1,000, Deduct	*-9.64*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1848		LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	139.64	15.90
			For >250 To 500, Deduct	*-5.98*	
			For >500 To 1,000, Deduct	*-9.47*	
			For >1,000, Deduct	*-12.96*	

26 05 33 13-1849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1835)*

26 05 33 13-1850		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	10.23	2.51
26 05 33 13-1851		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.15	3.35
26 05 33 13-1852		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.45	4.18
26 05 33 13-1853		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.46	4.60
26 05 33 13-1854		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.70	5.43
26 05 33 13-1855		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	26.92	6.27
26 05 33 13-1856		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	50.63	7.53
26 05 33 13-1857		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	64.12	10.45
26 05 33 13-1858		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	79.68	12.13
26 05 33 13-1859		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	98.26	16.73
26 05 33 13-1860		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	257.16	23.00
26 05 33 13-1861		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	261.80	12.97

26 05 33 13-1862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 33 13-1835)*

Note: 90, 45, or 30 degree.

26 05 33 13-1863		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	39.16	10.45
26 05 33 13-1864		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	44.87	12.97
26 05 33 13-1865		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	53.51	15.90
26 05 33 13-1866		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	63.51	18.40
26 05 33 13-1867		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	74.64	20.91
26 05 33 13-1868		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	91.80	23.00
26 05 33 13-1869		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	143.98	28.86
26 05 33 13-1870		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	216.49	39.31
26 05 33 13-1871		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	269.56	44.33
26 05 33 13-1872		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	306.65	57.71
26 05 33 13-1873		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	649.02	94.10
26 05 33 13-1874		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,023.43	141.37

26 05 33 13-1875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial *(26 05 33 13-1835)*

26 05 33 13-1876		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	96.52	15.90
26 05 33 13-1877		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	108.42	18.40
26 05 33 13-1878		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	123.81	20.91
26 05 33 13-1879		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	148.53	23.00
26 05 33 13-1880		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	208.19	28.86

26 05 33 13-1881 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial *(26 05 33 13-1835)*

26 05 33 13-1882		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	108.15	15.90
26 05 33 13-1883		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	127.64	18.40
26 05 33 13-1884		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	137.59	20.91
26 05 33 13-1885		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	178.58	23.00
26 05 33 13-1886		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	237.17	28.86
26 05 33 13-1887		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	302.43	39.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1888		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1835)*		
26 05 33 13-1889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	122.06	15.90
26 05 33 13-1890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	137.65	18.40
26 05 33 13-1891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	155.27	20.91
26 05 33 13-1892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	188.55	23.00
26 05 33 13-1893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	270.47	28.86
26 05 33 13-1894	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	341.52	39.31
26 05 33 13-1895	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	433.28	44.33
26 05 33 13-1896	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	485.01	57.71
26 05 33 13-1897		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1835)*		
26 05 33 13-1898	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	146.08	15.90
26 05 33 13-1899	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	161.14	18.40
26 05 33 13-1900	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	181.95	20.91
26 05 33 13-1901	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	226.97	23.00
26 05 33 13-1902	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	330.06	28.86
26 05 33 13-1903	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	407.75	39.31
26 05 33 13-1904	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	473.72	44.33
26 05 33 13-1905	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	559.25	57.71
26 05 33 13-1906		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1835)*		
26 05 33 13-1907	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	164.77	15.90
26 05 33 13-1908	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	183.02	18.40
26 05 33 13-1909	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	208.20	20.91
26 05 33 13-1910	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	260.41	23.00
26 05 33 13-1911	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	362.58	28.86
26 05 33 13-1912	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	460.73	39.31
26 05 33 13-1913	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	572.05	44.33
26 05 33 13-1914	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	627.41	57.71
26 05 33 13-1915	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,046.88	94.10
26 05 33 13-1916		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1835)*		
26 05 33 13-1917	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	189.22	15.90
26 05 33 13-1918	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	209.44	18.40
26 05 33 13-1919	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	236.99	20.91
26 05 33 13-1920	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	297.50	23.00
26 05 33 13-1921	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	416.76	28.86
26 05 33 13-1922	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	528.23	39.31
26 05 33 13-1923	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	621.32	44.33
26 05 33 13-1924	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	715.39	57.71
26 05 33 13-1925	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,108.54	94.10

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1926	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,510.65	141.37
26 05 33 13-1927		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial *(26 05 33 13-1835)*		
26 05 33 13-1928	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	223.25	15.90
26 05 33 13-1929	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	233.00	18.40
26 05 33 13-1930	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	275.51	20.91
26 05 33 13-1931	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	349.13	23.00
26 05 33 13-1932	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	489.82	28.86
26 05 33 13-1933	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	619.22	39.31
26 05 33 13-1934	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	758.29	44.33
26 05 33 13-1935	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	886.54	57.71
26 05 33 13-1936	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,309.67	94.10
26 05 33 13-1937	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,602.97	141.37
26 05 33 13-1938		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1835)*		
26 05 33 13-1939	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	231.45	15.90
26 05 33 13-1940	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	272.85	18.40
26 05 33 13-1941	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	308.83	20.91
26 05 33 13-1942	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	364.66	23.00
26 05 33 13-1943	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	508.07	28.86
26 05 33 13-1944	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	647.21	39.31
26 05 33 13-1945	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	832.89	44.33
26 05 33 13-1946	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	925.36	57.71
26 05 33 13-1947	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,363.70	94.10
26 05 33 13-1948	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,649.88	141.37
26 05 33 13-1949		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1835)*		
26 05 33 13-1950	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	75.30	10.45
26 05 33 13-1951	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	81.31	12.97
26 05 33 13-1952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	106.02	15.90
26 05 33 13-1953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	156.30	18.40
26 05 33 13-1954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	185.95	20.91
26 05 33 13-1955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	238.07	23.00
26 05 33 13-1956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	317.73	28.86
26 05 33 13-1957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	416.19	28.86
26 05 33 13-1958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	533.34	44.33
26 05 33 13-1959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	686.39	57.71
26 05 33 13-1960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,255.40	94.10
26 05 33 13-1961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,553.74	141.37
26 05 33 13-1962		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1835)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	77.13	10.45
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	88.31	12.97
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	109.75	15.90
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	163.14	18.40
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	195.45	20.91
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	258.60	23.00
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	361.65	28.86
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	460.84	28.86
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	614.07	44.33
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	766.83	57.71
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,402.85	94.10
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,791.83	141.37

26 05 33 13-1975 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1835)*

26 05 33 13-1976	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.46	5.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-1977	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.27	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1978	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.48	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-1979	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.80	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-1980	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.98	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-1981	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.29	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1982	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.38	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1983	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.61	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-1984	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.05	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-1985	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.41	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-1986	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.97	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.03*	
26 05 33 13-1987	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.43	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1988	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.53	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-1989	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.88	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-1990	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.35	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-1991	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.70	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-1992	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.72	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-1993	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.44	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1994	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.53	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1995	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.03	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-1996	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.57	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-1997	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.05	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-1998	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.08	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-1999	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.36	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2000	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.05	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2001	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.58	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-2002	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.80	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2003	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.32	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2004	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.79	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2005	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.40	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2006	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.44	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2007	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.44	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2008	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	97.54	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2009	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	116.95	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2010	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	135.41	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2011	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.86	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-2012	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.10	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2013	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.64	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2014	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.36	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2015	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.99	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2016	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.73	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2017	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.75	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2018	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.26	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2019	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.38	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2020	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.24	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2021	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.27	39.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2022	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.38	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2023	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.62	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2024	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.21	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2025	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.42	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2026	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.25	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2027	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.01	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2028	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.18	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2029	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.19	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2030	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	126.43	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2031	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.81	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2032	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	226.56	39.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2033	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.21	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-2034	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.42	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2035	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.47	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2036	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.69	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2037	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.82	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2038	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.29	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2039	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.54	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2040	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.42	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2041	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.58	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2042	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	173.19	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2043	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	240.47	39.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2044	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.07	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-2045	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.27	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2046	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.71	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2047	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.48	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2048	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.94	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2049	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.52	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2050	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.50	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2051	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.07	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2052	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	167.74	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2053	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	208.85	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2054	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	268.22	39.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2055	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.96	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-2056	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.26	6.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2057	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.88	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2058	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.72	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2059	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.33	10.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2060	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	78.94	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-2061	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.13	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-2062	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	164.55	19.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.79*	
26 05 33 13-2063	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.72	22.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-2064	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	219.78	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-2065	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	272.19	39.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	

26 05 33 13-2066 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1758)*

Note: Direct burial or encased application.

26 05 33 13-2067 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2066)*

26 05 33 13-2068	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.35	1.02
		For Work In Restricted Working Space, Add	*0.77*	
26 05 33 13-2069	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.77	1.10
		For Work In Restricted Working Space, Add	*0.82*	
26 05 33 13-2070	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.09	1.18
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-2071	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.40	1.25
		For Work In Restricted Working Space, Add	*0.94*	
26 05 33 13-2072	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.79	1.33
		For Work In Restricted Working Space, Add	*1.00*	
26 05 33 13-2073	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.06	1.41
		For Work In Restricted Working Space, Add	*1.06*	
26 05 33 13-2074	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.75	1.49
		For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2075	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.55	1.57
		For Work In Restricted Working Space, Add	*1.18*	
26 05 33 13-2076	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.19	1.65
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2077	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.84	1.72
		For Work In Restricted Working Space, Add	*1.30*	
26 05 33 13-2078	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.17	1.80
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-2079	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.78	1.88
		For Work In Restricted Working Space, Add	*1.41*	

26 05 33 13-2080 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2066)*

26 05 33 13-2081	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	53.01	7.85
		For Work In Restricted Working Space, Add	*5.89*	
		For 24" Radius, Add	*3.49*	
		For 36" Radius, Add	*5.30*	
		For 48" Radius, Add	*7.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2082	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	60.93	9.41
		For Work In Restricted Working Space, Add	*7.07*	
		For 24" Radius, Add	*3.98*	
		For 36" Radius, Add	*6.09*	
		For 48" Radius, Add	*8.21*	
26 05 33 13-2083	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	65.23	10.99
		For Work In Restricted Working Space, Add	*8.24*	
		For 24" Radius, Add	*4.21*	
		For 36" Radius, Add	*6.52*	
		For 48" Radius, Add	*8.84*	
26 05 33 13-2084	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	69.53	12.56
		For Work In Restricted Working Space, Add	*9.42*	
		For 24" Radius, Add	*4.43*	
		For 36" Radius, Add	*6.95*	
		For 48" Radius, Add	*9.48*	
26 05 33 13-2085	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	73.84	14.13
		For Work In Restricted Working Space, Add	*10.60*	
		For 24" Radius, Add	*4.65*	
		For 36" Radius, Add	*7.38*	
		For 48" Radius, Add	*10.11*	
26 05 33 13-2086	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	83.06	15.69
		For Work In Restricted Working Space, Add	*11.77*	
		For 24" Radius, Add	*5.25*	
		For 36" Radius, Add	*8.31*	
		For 48" Radius, Add	*11.36*	
26 05 33 13-2087	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	95.61	17.27
		For Work In Restricted Working Space, Add	*12.95*	
		For 24" Radius, Add	*6.09*	
		For 36" Radius, Add	*9.56*	
		For 48" Radius, Add	*13.03*	
26 05 33 13-2088	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	110.02	18.84
		For Work In Restricted Working Space, Add	*14.13*	
		For 24" Radius, Add	*7.07*	
		For 36" Radius, Add	*11.00*	
		For 48" Radius, Add	*14.93*	
26 05 33 13-2089	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	125.75	21.97
		For Work In Restricted Working Space, Add	*16.49*	
		For 24" Radius, Add	*8.06*	
		For 36" Radius, Add	*12.58*	
		For 48" Radius, Add	*17.09*	
26 05 33 13-2090	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	141.46	28.25
		For Work In Restricted Working Space, Add	*18.84*	
		For 24" Radius, Add	*9.04*	
		For 36" Radius, Add	*14.15*	
		For 48" Radius, Add	*19.25*	
26 05 33 13-2091	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	168.97	28.25
		For Work In Restricted Working Space, Add	*21.19*	
		For 24" Radius, Add	*10.91*	
		For 36" Radius, Add	*16.90*	
		For 48" Radius, Add	*22.89*	
26 05 33 13-2092	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	201.40	31.40
		For Work In Restricted Working Space, Add	*23.55*	
		For 24" Radius, Add	*13.14*	
		For 36" Radius, Add	*20.14*	
		For 48" Radius, Add	*27.14*	

26 05 33 13-2093 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2066)*

26 05 33 13-2094	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	24.81	4.40
		For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2095	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	27.96	5.03
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-2096	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	29.69	5.65
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-2097	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	31.38	6.28
		For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-2098	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	33.28	6.91
		For Work In Restricted Working Space, Add	*5.18*	
26 05 33 13-2099	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	37.90	7.53
		For Work In Restricted Working Space, Add	*5.65*	
26 05 33 13-2100	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	44.13	8.47
		For Work In Restricted Working Space, Add	*6.36*	
26 05 33 13-2101	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.08	9.41
		For Work In Restricted Working Space, Add	*7.07*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2102		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	58.44	10.99
			For Work In Restricted Working Space, Add	*8.24*	
26 05 33 13-2103		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	65.82	12.56
			For Work In Restricted Working Space, Add	*9.42*	
26 05 33 13-2104		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	78.35	14.13
			For Work In Restricted Working Space, Add	*10.60*	
26 05 33 13-2105		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	92.99	15.69
			For Work In Restricted Working Space, Add	*11.77*	

26 05 33 13-2106 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2066)*

26 05 33 13-2107		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	18.79	4.40
			For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2108		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	21.23	5.03
			For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-2109		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	22.89	5.65
			For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-2110		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	24.54	6.28
			For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-2111		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	26.21	6.91
			For Work In Restricted Working Space, Add	*5.18*	
26 05 33 13-2112		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	27.83	7.53
			For Work In Restricted Working Space, Add	*5.65*	
26 05 33 13-2113		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.98	8.47
			For Work In Restricted Working Space, Add	*6.36*	
26 05 33 13-2114		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.50	9.41
			For Work In Restricted Working Space, Add	*7.07*	
26 05 33 13-2115		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	42.04	10.99
			For Work In Restricted Working Space, Add	*8.24*	
26 05 33 13-2116		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	47.59	12.56
			For Work In Restricted Working Space, Add	*9.42*	
26 05 33 13-2117		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	55.59	14.13
			For Work In Restricted Working Space, Add	*10.60*	
26 05 33 13-2118		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	64.54	15.69
			For Work In Restricted Working Space, Add	*11.77*	

26 05 33 13-2119 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2066)*

26 05 33 13-2120		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	15.98	2.51
			For Work In Restricted Working Space, Add	*1.88*	
26 05 33 13-2121		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	17.84	2.82
			For Work In Restricted Working Space, Add	*2.12*	
26 05 33 13-2122		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	18.74	3.13
			For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-2123		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	19.59	3.46
			For Work In Restricted Working Space, Add	*2.59*	
26 05 33 13-2124		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	20.62	3.77
			For Work In Restricted Working Space, Add	*2.82*	
26 05 33 13-2125		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	24.34	4.40
			For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2126		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	29.35	5.34
			For Work In Restricted Working Space, Add	*4.00*	
26 05 33 13-2127		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	34.90	6.28
			For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-2128		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	41.23	7.85
			For Work In Restricted Working Space, Add	*5.89*	
26 05 33 13-2129		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	47.56	9.41
			For Work In Restricted Working Space, Add	*7.07*	
26 05 33 13-2130		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	57.47	10.99
			For Work In Restricted Working Space, Add	*8.24*	
26 05 33 13-2131		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	68.91	12.56
			For Work In Restricted Working Space, Add	*9.42*	

26 05 33 13-2132 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2066)*

26 05 33 13-2133		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	49.92	15.69
			For Work In Restricted Working Space, Add	*11.77*	
26 05 33 13-2134		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	58.94	18.84
			For Work In Restricted Working Space, Add	*14.13*	
26 05 33 13-2135		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	66.93	21.97
			For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2136		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	74.85	25.12
			For Work In Restricted Working Space, Add	*18.84*	
26 05 33 13-2137		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	79.06	26.68
			For Work In Restricted Working Space, Add	*20.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2138	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	85.32	28.25
		For Work In Restricted Working Space, Add	*21.19*	
26 05 33 13-2139	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	92.19	29.83
		For Work In Restricted Working Space, Add	*22.37*	
26 05 33 13-2140	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	99.64	31.40
		For Work In Restricted Working Space, Add	*23.55*	
26 05 33 13-2141	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	106.21	32.96
		For Work In Restricted Working Space, Add	*24.73*	
26 05 33 13-2142	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	112.77	34.53
		For Work In Restricted Working Space, Add	*25.90*	
26 05 33 13-2143	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	123.30	36.11
		For Work In Restricted Working Space, Add	*27.08*	
26 05 33 13-2144	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	135.49	37.68
		For Work In Restricted Working Space, Add	*28.26*	

26 05 33 13-2145 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2066)*

26 05 33 13-2146	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	54.26	15.69
		For Work In Restricted Working Space, Add	*11.77*	
26 05 33 13-2147	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	63.81	18.84
		For Work In Restricted Working Space, Add	*14.13*	
26 05 33 13-2148	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	71.82	21.97
		For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2149	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	79.79	25.12
		For Work In Restricted Working Space, Add	*18.84*	
26 05 33 13-2150	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	84.04	26.68
		For Work In Restricted Working Space, Add	*20.02*	
26 05 33 13-2151	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	91.01	28.25
		For Work In Restricted Working Space, Add	*21.19*	
26 05 33 13-2152	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	99.02	29.83
		For Work In Restricted Working Space, Add	*22.37*	
26 05 33 13-2153	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	107.83	31.40
		For Work In Restricted Working Space, Add	*23.55*	
26 05 33 13-2154	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	115.43	32.96
		For Work In Restricted Working Space, Add	*24.73*	
26 05 33 13-2155	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	123.02	34.53
		For Work In Restricted Working Space, Add	*25.90*	
26 05 33 13-2156	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	136.15	36.11
		For Work In Restricted Working Space, Add	*27.08*	
26 05 33 13-2157	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	151.55	37.68
		For Work In Restricted Working Space, Add	*28.26*	

26 05 33 13-2158 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2066)*

26 05 33 13-2159	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	46.71	4.40
		For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2160	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	52.25	5.03
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-2161	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	55.04	5.65
		For Work In Restricted Working Space, Add	*4.24*	
26 05 33 13-2162	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	57.87	6.28
		For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-2163	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	60.10	6.91
		For Work In Restricted Working Space, Add	*5.18*	
26 05 33 13-2164	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	65.75	7.53
		For Work In Restricted Working Space, Add	*5.65*	
26 05 33 13-2165	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	77.49	8.47
		For Work In Restricted Working Space, Add	*6.36*	
26 05 33 13-2166	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	91.07	9.41
		For Work In Restricted Working Space, Add	*7.07*	
26 05 33 13-2167	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.81	12.56
		For Work In Restricted Working Space, Add	*9.42*	
26 05 33 13-2168	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	140.87	14.13
		For Work In Restricted Working Space, Add	*10.60*	
26 05 33 13-2169	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	170.35	15.69
		For Work In Restricted Working Space, Add	*11.77*	

26 05 33 13-2170 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2066)*

26 05 33 13-2171	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	61.81	15.69
		For Work In Restricted Working Space, Add	*11.77*	
26 05 33 13-2172	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	72.17	18.84
		For Work In Restricted Working Space, Add	*14.13*	
26 05 33 13-2173	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	85.93	21.97
		For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2174	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	104.56	25.12
		For Work In Restricted Working Space, Add	*18.84*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2175	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	123.99	26.68
		For Work In Restricted Working Space, Add	*20.02*	
26 05 33 13-2176	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	155.51	28.25
		For Work In Restricted Working Space, Add	*21.19*	
26 05 33 13-2177	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	208.12	29.83
		For Work In Restricted Working Space, Add	*22.37*	
26 05 33 13-2178	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	244.09	31.40
		For Work In Restricted Working Space, Add	*23.55*	
26 05 33 13-2179	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	286.08	32.96
		For Work In Restricted Working Space, Add	*24.73*	
26 05 33 13-2180	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	328.06	34.53
		For Work In Restricted Working Space, Add	*25.90*	
26 05 33 13-2181	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	377.39	36.11
		For Work In Restricted Working Space, Add	*27.08*	
26 05 33 13-2182	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	581.64	37.68
		For Work In Restricted Working Space, Add	*28.26*	

26 05 33 13-2183 Spacers *(26 05 33 13-1758)*

Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1758 for conduit.

26 05 33 13-2184	EA	1" Base Spacers, Average 4" Wide, Direct Burial	8.22
26 05 33 13-2185	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.84
26 05 33 13-2186	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	9.79
26 05 33 13-2187	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	10.56
26 05 33 13-2188	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.87
26 05 33 13-2189	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.62
26 05 33 13-2190	EA	2" Base Spacer, Average 4" Wide, Direct Burial	12.28
26 05 33 13-2191	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.41
26 05 33 13-2192	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.58
26 05 33 13-2193	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.13
26 05 33 13-2194	EA	3" Base Spacer, Average 4" Wide, Direct Burial	15.54
26 05 33 13-2195	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	14.83
26 05 33 13-2196	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.84
26 05 33 13-2197	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.10
26 05 33 13-2198	EA	4" Base Spacer, Average 4" Wide, Direct Burial	17.35
26 05 33 13-2199	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	16.55
26 05 33 13-2200	EA	5" Base Spacer, Average 4" Wide, Direct Burial	19.19
26 05 33 13-2201	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	18.24
26 05 33 13-2202	EA	6" Base Spacer, Average 4" Wide, Direct Burial	21.58
26 05 33 13-2203	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	20.79

26 05 33 13-2204 Conduit Field Bending *(26 05 33 13-0057)*

26 05 33 13-2205 Metallic Conduit Field Bending *(26 05 33 13-2204)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2206	EA	1-1/4" Metallic Conduit Field Bending	14.09
26 05 33 13-2207	EA	1-1/2" Metallic Conduit Field Bending	18.78
26 05 33 13-2208	EA	2" Metallic Conduit Field Bending	23.47
26 05 33 13-2209	EA	2-1/2" Metallic Conduit Field Bending	32.86
26 05 33 13-2210	EA	3" Metallic Conduit Field Bending	42.25
26 05 33 13-2211	EA	3-1/2" Metallic Conduit Field Bending	51.64
26 05 33 13-2212	EA	4" Metallic Conduit Field Bending	61.03
26 05 33 13-2213	EA	5" Metallic Conduit Field Bending	75.11
26 05 33 13-2214	EA	6" Metallic Conduit Field Bending	89.20

26 05 33 13-2215 Plastic Conduit Field Bending *(26 05 33 13-2204)*

Note: For PVC conduits.

26 05 33 13-2216	EA	1" Plastic Conduit Field Bending	21.60
26 05 33 13-2217	EA	1-1/4" Plastic Conduit Field Bending	23.47
26 05 33 13-2218	EA	1-1/2" Plastic Conduit Field Bending	28.16
26 05 33 13-2219	EA	2" Plastic Conduit Field Bending	37.56
26 05 33 13-2220	EA	2-1/2" Plastic Conduit Field Bending	46.94
26 05 33 13-2221	EA	3" Plastic Conduit Field Bending	56.33
26 05 33 13-2222	EA	3-1/2" Plastic Conduit Field Bending	65.72
26 05 33 13-2223	EA	4" Plastic Conduit Field Bending	75.11
26 05 33 13-2224	EA	5" Plastic Conduit Field Bending	84.50
26 05 33 13-2225	EA	6" Plastic Conduit Field Bending	93.89

26 05 33 13-2226 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0057)*

Note: For use when connecting conduit to an existing in-place system.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2227	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	27.49	
		For Work In Restricted Working Space, Add	*8.25*	
26 05 33 13-2228	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	30.24	
		For Work In Restricted Working Space, Add	*9.07*	
26 05 33 13-2229	EA	1", Cut And Thread Existing In-Place Threaded Conduit	32.99	
		For Work In Restricted Working Space, Add	*9.90*	
26 05 33 13-2230	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	35.74	
		For Work In Restricted Working Space, Add	*10.72*	
26 05 33 13-2231	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	37.57	
		For Work In Restricted Working Space, Add	*11.27*	
26 05 33 13-2232	EA	2", Cut And Thread Existing In-Place Threaded Conduit	39.40	
		For Work In Restricted Working Space, Add	*11.82*	
26 05 33 13-2233	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	41.24	
		For Work In Restricted Working Space, Add	*12.37*	
26 05 33 13-2234	EA	3", Cut And Thread Existing In-Place Threaded Conduit	43.07	
		For Work In Restricted Working Space, Add	*12.92*	
26 05 33 13-2235	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	43.98	
		For Work In Restricted Working Space, Add	*13.19*	
26 05 33 13-2236	EA	4", Cut And Thread Existing In-Place Threaded Conduit	44.90	
		For Work In Restricted Working Space, Add	*13.47*	
26 05 33 13-2237	EA	5", Cut And Thread Existing In-Place Threaded Conduit	46.73	
		For Work In Restricted Working Space, Add	*14.02*	
26 05 33 13-2238	EA	6", Cut And Thread Existing In-Place Threaded Conduit	48.56	
		For Work In Restricted Working Space, Add	*14.57*	

26 05 33 13-2239 Flexible Conduit *(26 05 33 13-0057)*

26 05 33 13-2240 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2239)*

Note: Steel inner core with PVC cover.

26 05 33 13-2241 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2240)*

26 05 33 13-2242	LF	3/8" Flexible Liquid Tight Metallic Conduit	3.44	1.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.38*	
		For Work In Restricted Working Space, Add	*0.75*	
26 05 33 13-2243	LF	1/2" Flexible Liquid Tight Metallic Conduit	3.58	1.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.38*	
		For Work In Restricted Working Space, Add	*0.75*	
26 05 33 13-2244	LF	3/4" Flexible Liquid Tight Metallic Conduit	4.80	1.34
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.50*	
		For Work In Restricted Working Space, Add	*1.01*	
26 05 33 13-2245	LF	1" Flexible Liquid Tight Metallic Conduit	5.54	1.34
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.50*	
		For Work In Restricted Working Space, Add	*1.01*	
26 05 33 13-2246	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	7.16	1.67
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.63*	
		For Work In Restricted Working Space, Add	*1.25*	
26 05 33 13-2247	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	9.20	2.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2248	LF	2" Flexible Liquid Tight Metallic Conduit	12.11	2.68
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 33 13-2249	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	16.47	3.01
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
26 05 33 13-2250	LF	3" Flexible Liquid Tight Metallic Conduit	24.24	3.68
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
26 05 33 13-2251	LF	4" Flexible Liquid Tight Metallic Conduit	33.17	4.68
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.76*	
		For Work In Restricted Working Space, Add	*3.51*	

26 05 33 13-2252 Straight Connector *(26 05 33 13-2240)*

26 05 33 13-2253	EA	3/8" Straight Liquid Tight Connector	9.35	2.68
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2254	EA	1/2" Straight Liquid Tight Connector	9.35	2.68
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2255	EA	3/4" Straight Liquid Tight Connector	11.33	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-2256	EA	1" Straight Liquid Tight Connector	15.15	3.35
		For Work In Restricted Working Space, Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 33 13-2257	EA	1-1/4" Straight Liquid Tight Connector	19.45	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2258	EA	1-1/2" Straight Liquid Tight Connector	24.66	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2259	EA	2" Straight Liquid Tight Connector	33.99	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-2260	EA	2-1/2" Straight Liquid Tight Connector	116.22	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-2261	EA	3" Straight Liquid Tight Connector	149.87	6.35
		For Work In Restricted Working Space, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2262	EA	4" Straight Liquid Tight Connector	183.42	9.37
		For Work In Restricted Working Space, Add	*7.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.03*	

26 05 33 13-2263 90 Degree Angle Connector *(26 05 33 13-2240)*

26 05 33 13-2264	EA	3/8" 90 Degree Angle Liquid Tight Connector	13.63	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2265	EA	1/2" 90 Degree Angle Liquid Tight Connector	14.20	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2266	EA	3/4" 90 Degree Angle Liquid Tight Connector	16.05	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-2267	EA	1" 90 Degree Angle Liquid Tight Connector	22.65	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-2268	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	28.54	5.02
		For Work In Restricted Working Space, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2269	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	34.62	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-2270	EA	2" 90 Degree Angle Liquid Tight Connector	45.82	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-2271	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	162.39	6.35
		For Work In Restricted Working Space, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2272	EA	3" 90 Degree Angle Liquid Tight Connector	191.88	7.36
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2273	EA	4" 90 Degree Angle Liquid Tight Connector	265.42	11.71
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	

26 05 33 13-2274 45 Degree Angle Connector *(26 05 33 13-2240)*

26 05 33 13-2275	EA	3/8" 45 Degree Angle Liquid Tight Connector	13.44	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2276	EA	1/2" 45 Degree Angle Liquid Tight Connector	13.57	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2277	EA	3/4" 45 Degree Angle Liquid Tight Connector	16.05	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-2278	EA	1" 45 Degree Angle Liquid Tight Connector	24.20	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-2279	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	27.53	5.02
		For Work In Restricted Working Space, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2280	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	30.85	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	

26 05 33 13-2281 Flexible Metallic Conduit And Connectors *(26 05 33 13-2239)*

26 05 33 13-2282 Flexible Steel Conduit *(26 05 33 13-2281)*

26 05 33 13-2283	LF	3/8" Flexible Metallic Conduit	3.10	1.10
		For Flexible Aluminum Conduit, Add	*0.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.40*	
		For Installation In Metal Stud Wall, Add	*0.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.67*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 33 13-2284	LF	1/2" Flexible Metallic Conduit	3.20	1.10
		For Flexible Aluminum Conduit, Add	*0.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.41*	
		For Installation In Metal Stud Wall, Add	*0.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.69*	
		For Work In Restricted Working Space, Add	*0.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2285	LF	3/4" Flexible Metallic Conduit	3.60	1.46
		For Flexible Aluminum Conduit, Add	*0.10*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.45*	
		For Installation In Metal Stud Wall, Add	*0.30*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.75*	
		For Work In Restricted Working Space, Add	*0.89*	
26 05 33 13-2286	LF	1" Flexible Metallic Conduit	4.37	1.46
		For Flexible Aluminum Conduit, Add	*0.19*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.48*	
		For Installation In Metal Stud Wall, Add	*0.32*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.80*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 33 13-2287	LF	1-1/4" Flexible Metallic Conduit	4.90	1.83
		For Flexible Aluminum Conduit, Add	*0.25*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.51*	
		For Installation In Metal Stud Wall, Add	*0.34*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 33 13-2288	LF	1-1/2" Flexible Metallic Conduit	6.17	2.19
		For Flexible Aluminum Conduit, Add	*0.44*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.53*	
		For Installation In Metal Stud Wall, Add	*0.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.06*	
26 05 33 13-2289	LF	2" Flexible Metallic Conduit	6.90	2.93
		For Flexible Aluminum Conduit, Add	*0.53*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.92*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2290	LF	2-1/2" Flexible Steel Conduit	8.50	3.30
		For Flexible Aluminum Conduit, Add	*0.65*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2291	LF	3" Flexible Metallic Conduit	12.30	4.03
		For Flexible Aluminum Conduit, Add	*1.12*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.82*	
		For Installation In Metal Stud Wall, Add	*0.55*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.37*	
		For Work In Restricted Working Space, Add	*1.65*	
26 05 33 13-2292	LF	3-1/2" Flexible Metallic Conduit	14.98	4.39
		For Flexible Aluminum Conduit, Add	*1.42*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.96*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-2293	LF	4" Flexible Metallic Conduit	17.21	5.12
		For Flexible Aluminum Conduit, Add	*1.63*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.10*	
		For Installation In Metal Stud Wall, Add	*0.73*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.83*	
		For Work In Restricted Working Space, Add	*2.19*	

26 05 33 13-2294 Plain Squeeze Type Straight Connector *(26 05 33 13-2281)*

26 05 33 13-2295	EA	3/8" Flexible Straight Connectors, Plain	5.16	2.93
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2296	EA	1/2" Flexible Straight Connectors, Plain	6.24	3.30
		For Work In Restricted Working Space, Add	*1.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.37*	
26 05 33 13-2297	EA	3/4" Flexible Straight Connectors, Plain	7.24	4.03
		For Work In Restricted Working Space, Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2298	EA	1" Flexible Straight Connectors, Plain	11.14	4.39
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2299	EA	1-1/4" Flexible Straight Connectors, Plain	15.43	5.12
		For Work In Restricted Working Space, Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2300	EA	1-1/2" Flexible Straight Connectors, Plain	20.14	6.22
		For Work In Restricted Working Space, Add	*3.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 33 13-2301	EA	2" Flexible Straight Connectors, Plain	26.12	6.22
		For Work In Restricted Working Space, Add	*4.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 33 13-2302	EA	2-1/2" Flexible Straight Connectors, Plain	40.36	7.69
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-2303	EA	3" Flexible Straight Connectors, Plain	52.05	8.42
		For Work In Restricted Working Space, Add	*5.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2304		EA	3-1/2" Flexible Straight Connectors, Plain	151.11	9.88
			For Work In Restricted Working Space, Add	*6.17*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2305		EA	4" Flexible Straight Connectors, Plain	188.01	12.07
			For Work In Restricted Working Space, Add	*6.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-2306			Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2281)*		
26 05 33 13-2307		EA	1/2" Flexible Straight Connectors, Insulated	6.81	3.30
			For Work In Restricted Working Space, Add	*1.37*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.37*	
26 05 33 13-2308		EA	3/4" Flexible Straight Connectors, Insulated	7.99	4.03
			For Work In Restricted Working Space, Add	*1.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2309		EA	1" Flexible Straight Connectors, Insulated	12.16	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2310		EA	1-1/4" Flexible Straight Connectors, Insulated	17.30	5.12
			For Work In Restricted Working Space, Add	*2.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2311		EA	1-1/2" Flexible Straight Connectors, Insulated	23.47	5.49
			For Work In Restricted Working Space, Add	*3.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 33 13-2312		EA	2" Flexible Straight Connectors, Insulated	32.00	6.22
			For Work In Restricted Working Space, Add	*4.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 33 13-2313		EA	2-1/2" Flexible Straight Connectors, Insulated	52.94	7.69
			For Work In Restricted Working Space, Add	*4.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-2314		EA	3" Flexible Straight Connectors, Insulated	66.89	8.42
			For Work In Restricted Working Space, Add	*5.49*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-2315		EA	3-1/2" Flexible Straight Connectors, Insulated	173.98	9.88
			For Work In Restricted Working Space, Add	*6.17*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2316		EA	4" Flexible Straight Connectors, Insulated	222.40	12.07
			For Work In Restricted Working Space, Add	*6.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-2317			Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2281)*		
26 05 33 13-2318		EA	3/8" Flexible 90 Degree Connector, Plain	7.16	3.66
			For Work In Restricted Working Space, Add	*1.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2319		EA	1/2" Flexible 90 Degree Connector, Plain	9.20	4.03
			For Work In Restricted Working Space, Add	*1.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-2320		EA	3/4" Flexible 90 Degree Connector, Plain	11.69	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2321		EA	1" Flexible 90 Degree Connector, Plain	16.07	5.12
			For Work In Restricted Working Space, Add	*2.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2322		EA	1-1/4" Flexible 90 Degree Connector, Plain	24.11	5.49
			For Work In Restricted Working Space, Add	*3.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-2323		EA	1-1/2" Flexible 90 Degree Connector, Plain	36.68	6.40
			For Work In Restricted Working Space, Add	*4.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 33 13-2324		EA	2" Flexible 90 Degree Connector, Plain	43.94	7.87
			For Work In Restricted Working Space, Add	*4.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2325		EA	2-1/2" Flexible 90 Degree Connector, Plain	92.29	8.42
			For Work In Restricted Working Space, Add	*5.49*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-2326		EA	3" Flexible 90 Degree Connector, Plain	117.72	9.88
			For Work In Restricted Working Space, Add	*6.17*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2327		EA	3-1/2" Flexible 90 Degree Connector, Plain	243.78	12.07
			For Work In Restricted Working Space, Add	*6.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-2328		EA	4" Flexible 90 Degree Connector, Plain	431.67	13.73
			For Work In Restricted Working Space, Add	*8.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-2329			Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2281)*		
26 05 33 13-2330		EA	1/2" Flexible 90 Degree Connector, Insulated	9.99	4.03
			For Work In Restricted Working Space, Add	*1.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-2331		EA	3/4" Flexible 90 Degree Connector, Insulated	12.67	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2332	EA	1" Flexible 90 Degree Connector, Insulated	16.07	5.12
		For Work In Restricted Working Space, Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2333	EA	1-1/4" Flexible 90 Degree Connector, Insulated	27.59	5.49
		For Work In Restricted Working Space, Add	*3.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-2334	EA	1-1/2" Flexible 90 Degree Connector, Insulated	42.99	6.40
		For Work In Restricted Working Space, Add	*4.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 33 13-2335	EA	2" Flexible 90 Degree Connector, Insulated	54.19	7.87
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2336	EA	2-1/2" Flexible 90 Degree Connector, Insulated	124.34	8.42
		For Work In Restricted Working Space, Add	*5.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-2337	EA	3" Flexible 90 Degree Connector, Insulated	152.44	9.88
		For Work In Restricted Working Space, Add	*6.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2338	EA	3-1/2" Flexible 90 Degree Connector, Insulated	401.14	12.07
		For Work In Restricted Working Space, Add	*6.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-2339	EA	4" Flexible 90 Degree Connector, Insulated	596.49	13.73
		For Work In Restricted Working Space, Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	

26 05 33 13-2340 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2281)*

26 05 33 13-2341	EA	3/8" Flexible 45 Degree Connector, Plain	7.80	3.66
		For Work In Restricted Working Space, Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2342	EA	1/2" Flexible 45 Degree Connector, Plain	10.22	4.03
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-2343	EA	3/4" Flexible 45 Degree Connector, Plain	12.84	4.39
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	

26 05 33 13-2344 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2281)*

26 05 33 13-2345	EA	3/8" Flexible 45 Degree Connector, Insulated	8.24	4.39
		For Work In Restricted Working Space, Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2346	EA	1/2" Flexible 45 Degree Connector, Insulated	10.95	4.03
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-2347	EA	3/4" Flexible 45 Degree Connector, Insulated	13.86	4.39
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	

26 05 33 13-2348 Plain Screw-In Connector *(26 05 33 13-2281)*

26 05 33 13-2349	EA	3/8" Flexible Steel Screw-in Connector, Plain	4.51	2.93
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2350	EA	1/2" Flexible Steel Screw-in Connector, Plain	4.90	3.30
		For Work In Restricted Working Space, Add	*1.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.37*	
26 05 33 13-2351	EA	3/4" Flexible Steel Screw-in Connector, Plain	6.14	4.03
		For Work In Restricted Working Space, Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2352	EA	1" Flexible Steel Screw-in Connector, Plain	8.62	4.39
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2353	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	12.21	5.12
		For Work In Restricted Working Space, Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2354	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	14.99	5.49
		For Work In Restricted Working Space, Add	*3.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 33 13-2355	EA	2" Flexible Steel Screw-in Connector, Plain	21.13	6.22
		For Work In Restricted Working Space, Add	*4.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	

26 05 33 13-2356 Insulated Screw-In Connector *(26 05 33 13-2281)*

26 05 33 13-2357	EA	3/8" Flexible Steel Screw-in Connector, Insulated	4.70	2.93
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2358	EA	1/2" Flexible Steel Screw-in Connector, Insulated	5.05	3.30
		For Work In Restricted Working Space, Add	*1.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.37*	
26 05 33 13-2359	EA	3/4" Flexible Steel Screw-in Connector, Insulated	6.53	4.03
		For Work In Restricted Working Space, Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2360		EA	1" Flexible Steel Screw-in Connector, Insulated	9.21	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2361		EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	13.05	5.12
			For Work In Restricted Working Space, Add	*2.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2362		EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	16.00	5.49
			For Work In Restricted Working Space, Add	*3.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 33 13-2363		EA	2" Flexible Steel Screw-in Connector, Insulated	22.02	6.22
			For Work In Restricted Working Space, Add	*4.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	

26 05 33 13-2364 Screw-In Coupling *(26 05 33 13-2281)*

26 05 33 13-2365		EA	1/2" Flexible Steel Screw-in Coupling	5.27	3.30
			For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2366		EA	3/4" Flexible Steel Screw-in Coupling	6.75	4.03
			For Work In Restricted Working Space, Add	*1.65*	

26 05 33 13-2367 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2281)*

26 05 33 13-2368		EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	6.47	2.93
			For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2369		EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	8.50	3.30
			For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2370		EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	11.07	4.03
			For Work In Restricted Working Space, Add	*1.65*	

26 05 33 13-2371 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2281)*

26 05 33 13-2372		EA	3/8" Flexible Straight Connector, Die Cast	4.62	2.93
			For Work In Restricted Working Space, Add	*1.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2373		EA	1/2" Flexible Straight Connector, Die Cast	5.21	3.30
			For Work In Restricted Working Space, Add	*1.37*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.37*	
26 05 33 13-2374		EA	3/4" Flexible Straight Connector, Die Cast	6.40	4.03
			For Work In Restricted Working Space, Add	*1.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2375		EA	1" Flexible Straight Connector, Die Cast	9.34	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2376		EA	1-1/4" Flexible Straight Connector, Die Cast	12.39	5.12
			For Work In Restricted Working Space, Add	*2.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2377		EA	1-1/2" Flexible Straight Connector, Die Cast	16.52	5.49
			For Work In Restricted Working Space, Add	*3.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 33 13-2378		EA	2" Flexible Straight Connector, Die Cast	21.05	6.22
			For Work In Restricted Working Space, Add	*4.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	

26 05 33 13-2379 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2281)*

26 05 33 13-2380		EA	3/8" Flexible 90 Degree Connector, Die Cast	6.13	3.66
			For Work In Restricted Working Space, Add	*1.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-2381		EA	1/2" Flexible 90 Degree Connector, Die Cast	7.48	4.03
			For Work In Restricted Working Space, Add	*1.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-2382		EA	3/4" Flexible 90 Degree Connector, Die Cast	8.94	4.39
			For Work In Restricted Working Space, Add	*2.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-2383		EA	1" Flexible 90 Degree Connector, Die Cast	13.44	5.12
			For Work In Restricted Working Space, Add	*2.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2384		EA	1-1/4" Flexible 90 Degree Connector, Die Cast	18.48	5.49
			For Work In Restricted Working Space, Add	*3.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-2385		EA	1-1/2" Flexible 90 Degree Connector, Die Cast	27.72	6.40
			For Work In Restricted Working Space, Add	*4.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 05 33 13-2386		EA	2" Flexible 90 Degree Connector, Die Cast	32.88	7.87
			For Work In Restricted Working Space, Add	*4.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	

26 05 33 13-2387 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-2239)*

26 05 33 13-2388 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-2387)*

26 05 33 13-2389		LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	2.97	1.00
			For Work In Restricted Working Space, Add	*0.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2390	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	3.01	1.00
		For Work In Restricted Working Space, Add	*0.75*	
26 05 33 13-2391	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	4.04	1.34
		For Work In Restricted Working Space, Add	*1.01*	
26 05 33 13-2392	LF	1" Flexible Liquid Tight Non-Metallic Conduit	4.75	1.34
		For Work In Restricted Working Space, Add	*1.01*	
26 05 33 13-2393	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	6.00	1.67
		For Work In Restricted Working Space, Add	*1.25*	
26 05 33 13-2394	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	7.55	2.00
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2395	LF	2" Flexible Liquid Tight Non-Metallic Conduit	9.79	2.68
		For Work In Restricted Working Space, Add	*2.01*	

26 05 33 13-2396 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-2387)*

26 05 33 13-2397	EA	3/8" Liquid Tight Non-Metallic Straight Connector	8.40	2.68
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2398	EA	1/2" Liquid Tight Non-Metallic Straight Connector	8.40	2.68
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2399	EA	3/4" Liquid Tight Non-Metallic Straight Connector	10.05	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-2400	EA	1" Liquid Tight Non-Metallic Straight Connector	12.16	3.35
		For Work In Restricted Working Space, Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 33 13-2401	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	16.00	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2402	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	19.49	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-2403	EA	2" Liquid Tight Non-Metallic Straight Connector	29.07	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	

26 05 33 13-2404 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-2387)*

26 05 33 13-2405	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	11.97	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2406	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	11.97	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2407	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	14.29	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-2408	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	19.41	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-2409	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	20.21	5.02
		For Work In Restricted Working Space, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2410	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	29.80	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-2411	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	39.08	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	

26 05 33 13-2412 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-2387)*

26 05 33 13-2413	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	11.97	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2414	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	11.97	3.68
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2415	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	14.29	4.02
		For Work In Restricted Working Space, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-2416	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	19.41	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-2417	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	20.21	5.02
		For Work In Restricted Working Space, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 33 13-2418	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	29.80	5.35
		For Work In Restricted Working Space, Add	*4.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.01*	
26 05 33 13-2419	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	39.08	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2420		Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2239)* Note: Carlon - FLEX-PLUS.			
26 05 33 13-2421		Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2420)*			
26 05 33 13-2422	LF	1/2" Blue ENT Electrical Non-Metallic Tubing		3.07	1.10
		For Work In Restricted Working Space, Add		*0.83*	
26 05 33 13-2423	LF	3/4" Blue ENT Electrical Non-Metallic Tubing		4.10	1.46
		For Work In Restricted Working Space, Add		*1.10*	
26 05 33 13-2424	LF	1" Blue ENT Electrical Non-Metallic Tubing		4.38	1.46
		For Work In Restricted Working Space, Add		*1.10*	
26 05 33 13-2425		Terminal Adapter *(26 05 33 13-2420)*			
26 05 33 13-2426	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing		7.83	2.93
		For Work In Restricted Working Space, Add		*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.19*	
26 05 33 13-2427	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing		9.20	3.30
		For Work In Restricted Working Space, Add		*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.47*	
26 05 33 13-2428	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing		10.38	3.66
		For Work In Restricted Working Space, Add		*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.75*	
26 05 33 13-2429		Coupling *(26 05 33 13-2420)*			
26 05 33 13-2430	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing		7.77	2.93
		For Work In Restricted Working Space, Add		*2.19*	
26 05 33 13-2431	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing		8.83	3.30
		For Work In Restricted Working Space, Add		*2.47*	
26 05 33 13-2432	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing		10.04	3.66
		For Work In Restricted Working Space, Add		*2.75*	
26 05 33 13-2433		Conduit Bodies *(26 05 33 13-0057)*			
26 05 33 13-2434		Threaded, Cast Aluminum Conduit Body *(26 05 33 13-2433)*			
26 05 33 13-2435		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body *(26 05 33 13-2434)*			
26 05 33 13-2436	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		45.85	16.06
		For Mogul LB, Add		*2.27*	
		For Work In Restricted Working Space, Add		*12.05*	
		For Installation Above 14', Add		*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.05*	
26 05 33 13-2437	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		53.75	18.40
		For Mogul LB, Add		*3.50*	
		For Work In Restricted Working Space, Add		*13.80*	
		For Installation Above 14', Add		*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.80*	
26 05 33 13-2438	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		64.54	21.41
		For Mogul LB, Add		*5.58*	
		For Work In Restricted Working Space, Add		*16.06*	
		For Installation Above 14', Add		*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*16.06*	
26 05 33 13-2439	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		77.51	24.43
		For Mogul LB, Add		*9.28*	
		For Work In Restricted Working Space, Add		*18.32*	
		For Installation Above 14', Add		*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*18.32*	
26 05 33 13-2440	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		88.14	26.76
		For Mogul LB, Add		*12.57*	
		For Work In Restricted Working Space, Add		*20.08*	
		For Installation Above 14', Add		*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*20.08*	
26 05 33 13-2441	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		114.57	32.12
		For Mogul LB, Add		*21.69*	
		For Work In Restricted Working Space, Add		*24.09*	
		For Installation Above 14', Add		*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*24.09*	
26 05 33 13-2442	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		188.77	45.17
		For Mogul LB, Add		*51.24*	
		For Work In Restricted Working Space, Add		*33.88*	
		For Installation Above 14', Add		*16.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*33.88*	
26 05 33 13-2443	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		248.49	60.23
		For Mogul LB, Add		*65.92*	
		For Work In Restricted Working Space, Add		*45.17*	
		For Installation Above 14', Add		*22.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*45.17*	
26 05 33 13-2444	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		328.27	75.29
		For Mogul LB, Add		*95.63*	
		For Work In Restricted Working Space, Add		*56.46*	
		For Installation Above 14', Add		*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*56.46*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2445	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	423.82	91.67
		For Mogul LB, Add	*134.51*	
		For Work In Restricted Working Space, Add	*68.76*	
		For Installation Above 14', Add	*34.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	

26 05 33 13-2446 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2434)*

26 05 33 13-2447	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	46.54	16.06
		For Mogul LB, Add	*2.79*	
		For Work In Restricted Working Space, Add	*12.05*	
		For Installation Above 14', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-2448	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	54.42	18.40
		For Mogul LB, Add	*4.01*	
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2449	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.91	21.41
		For Mogul LB, Add	*6.61*	
		For Work In Restricted Working Space, Add	*16.06*	
		For Installation Above 14', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.06*	
26 05 33 13-2450	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	79.17	24.43
		For Mogul LB, Add	*10.53*	
		For Work In Restricted Working Space, Add	*18.32*	
		For Installation Above 14', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.32*	
26 05 33 13-2451	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.96	26.76
		For Mogul LB, Add	*14.68*	
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2452	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	120.63	32.12
		For Mogul LB, Add	*26.23*	
		For Work In Restricted Working Space, Add	*24.09*	
		For Installation Above 14', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2453	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	185.71	45.17
		For Mogul LB, Add	*48.95*	
		For Work In Restricted Working Space, Add	*33.88*	
		For Installation Above 14', Add	*16.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.88*	
26 05 33 13-2454	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	238.21	60.23
		For Mogul LB, Add	*58.21*	
		For Work In Restricted Working Space, Add	*45.17*	
		For Installation Above 14', Add	*22.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	
26 05 33 13-2455	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	337.03	75.29
		For Mogul LB, Add	*102.20*	
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2456	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	441.72	91.67
		For Mogul LB, Add	*147.94*	
		For Work In Restricted Working Space, Add	*68.76*	
		For Installation Above 14', Add	*34.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	

26 05 33 13-2457 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2434)*

26 05 33 13-2458	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	53.56	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2459	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	63.26	21.41
		For Work In Restricted Working Space, Add	*16.06*	
		For Installation Above 14', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.06*	
26 05 33 13-2460	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	72.32	23.42
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-2461	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	87.78	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2462	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	100.72	29.45
		For Work In Restricted Working Space, Add	*22.08*	
		For Installation Above 14', Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2463	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	132.53	34.46
		For Work In Restricted Working Space, Add	*25.85*	
		For Installation Above 14', Add	*12.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.85*	
26 05 33 13-2464	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	207.41	50.19
		For Work In Restricted Working Space, Add	*37.64*	
		For Installation Above 14', Add	*18.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.64*	
26 05 33 13-2465	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	268.15	65.24
		For Work In Restricted Working Space, Add	*48.93*	
		For Installation Above 14', Add	*24.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.93*	
26 05 33 13-2466	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	418.92	80.30
		For Work In Restricted Working Space, Add	*60.23*	
		For Installation Above 14', Add	*30.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.23*	
26 05 33 13-2467	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	481.95	96.70
		For Work In Restricted Working Space, Add	*72.52*	
		For Installation Above 14', Add	*36.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.52*	

26 05 33 13-2468 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2434)*

26 05 33 13-2469	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	46.68	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Installation Above 14', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-2470	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.94	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2471	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.52	21.08
		For Work In Restricted Working Space, Add	*15.81*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.81*	
26 05 33 13-2472	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.50	24.43
		For Work In Restricted Working Space, Add	*18.32*	
		For Installation Above 14', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.32*	
26 05 33 13-2473	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	87.68	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2474	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	114.62	32.12
		For Work In Restricted Working Space, Add	*24.09*	
		For Installation Above 14', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2475	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	183.14	45.17
		For Work In Restricted Working Space, Add	*33.88*	
		For Installation Above 14', Add	*16.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.88*	
26 05 33 13-2476	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	236.57	60.23
		For Work In Restricted Working Space, Add	*45.17*	
		For Installation Above 14', Add	*22.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	
26 05 33 13-2477	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	331.77	75.29
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2478	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	425.46	91.67
		For Work In Restricted Working Space, Add	*68.76*	
		For Installation Above 14', Add	*34.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	

26 05 33 13-2479 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2434)*

26 05 33 13-2480	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	61.97	21.08
		For Work In Restricted Working Space, Add	*15.81*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.81*	
26 05 33 13-2481	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	71.10	23.42
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-2482	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	85.63	25.76
		For Work In Restricted Working Space, Add	*19.32*	
		For Installation Above 14', Add	*9.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.32*	
26 05 33 13-2483	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	98.59	29.45
		For Work In Restricted Working Space, Add	*22.08*	
		For Installation Above 14', Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2484	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	124.06	32.12
		For Work In Restricted Working Space, Add	*24.09*	
		For Installation Above 14', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2485	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	150.30	39.48
		For Work In Restricted Working Space, Add	*29.61*	
		For Installation Above 14', Add	*14.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.61*	
26 05 33 13-2486	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	272.74	57.88
		For Work In Restricted Working Space, Add	*43.41*	
		For Installation Above 14', Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-2487	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	338.19	75.29
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2488	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	476.10	93.02
		For Work In Restricted Working Space, Add	*70.27*	
		For Installation Above 14', Add	*35.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.27*	
26 05 33 13-2489	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	574.47	111.75
		For Work In Restricted Working Space, Add	*83.81*	
		For Installation Above 14', Add	*41.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.81*	

26 05 33 13-2490 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2433)*

26 05 33 13-2491 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2490)*

26 05 33 13-2492	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.79	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Installation Above 14', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-2493	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.37	18.40
		For Work In Restricted Working Space, Add	*13.80*	
		For Installation Above 14', Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2494	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.48	21.41
		For Work In Restricted Working Space, Add	*16.06*	
		For Installation Above 14', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.06*	
26 05 33 13-2495	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	86.09	24.43
		For Work In Restricted Working Space, Add	*18.32*	
		For Installation Above 14', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.32*	
26 05 33 13-2496	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.62	26.76
		For Work In Restricted Working Space, Add	*20.08*	
		For Installation Above 14', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2497	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	131.70	32.12
		For Work In Restricted Working Space, Add	*24.09*	
		For Installation Above 14', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2498	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	218.11	45.17
		For Work In Restricted Working Space, Add	*33.88*	
		For Installation Above 14', Add	*16.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.88*	
26 05 33 13-2499	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	307.48	60.23
		For Work In Restricted Working Space, Add	*45.17*	
		For Installation Above 14', Add	*22.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	
26 05 33 13-2500	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	420.50	75.29
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2501	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	503.88	91.67
		For Work In Restricted Working Space, Add	*68.76*	
		For Installation Above 14', Add	*34.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	

26 05 33 13-2502 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2490)*

26 05 33 13-2503	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	49.55	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-2504	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.89	18.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2505	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	70.18	21.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.06*	
26 05 33 13-2506	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	87.90	24.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.32*	
26 05 33 13-2507	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	99.84	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2508	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	127.15	32.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2509	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	192.89	45.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.88*	
26 05 33 13-2510	EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	262.13	60.23
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	
26 05 33 13-2511	EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	447.21	75.29
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2512	EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	523.57	91.67
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	

26 05 33 13-2513 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2490)*

26 05 33 13-2514	EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	58.62	18.40
	For Work In Restricted Working Space, Add	*13.80*	
	For Installation Above 14', Add	*6.90*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2515	EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	69.12	21.41
	For Work In Restricted Working Space, Add	*16.31*	
	For Installation Above 14', Add	*8.16*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.31*	
26 05 33 13-2516	EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	80.86	23.42
	For Work In Restricted Working Space, Add	*17.57*	
	For Installation Above 14', Add	*8.78*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-2517	EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	100.63	26.76
	For Work In Restricted Working Space, Add	*19.82*	
	For Installation Above 14', Add	*9.91*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.82*	
26 05 33 13-2518	EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	115.13	29.45
	For Work In Restricted Working Space, Add	*22.08*	
	For Installation Above 14', Add	*11.04*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.08*	
26 05 33 13-2519	EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	151.21	34.46
	For Work In Restricted Working Space, Add	*25.85*	
	For Installation Above 14', Add	*12.92*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.85*	
26 05 33 13-2520	EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	193.71	50.19
	For Work In Restricted Working Space, Add	*37.64*	
	For Installation Above 14', Add	*18.82*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.64*	
26 05 33 13-2521	EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	276.51	65.24
	For Work In Restricted Working Space, Add	*48.93*	
	For Installation Above 14', Add	*24.47*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.93*	
26 05 33 13-2522	EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	472.09	80.30
	For Work In Restricted Working Space, Add	*60.23*	
	For Installation Above 14', Add	*30.11*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.23*	
26 05 33 13-2523	EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	547.61	96.70
	For Work In Restricted Working Space, Add	*72.77*	
	For Installation Above 14', Add	*36.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.77*	

26 05 33 13-2524 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2490)*

26 05 33 13-2525	EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.92	16.06
	For Work In Restricted Working Space, Add	*12.05*	
	For Installation Above 14', Add	*6.02*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-2526	EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	57.66	18.40
	For Work In Restricted Working Space, Add	*13.80*	
	For Installation Above 14', Add	*6.90*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 33 13-2527	EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.29	21.08
	For Work In Restricted Working Space, Add	*15.81*	
	For Installation Above 14', Add	*7.91*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.81*	
26 05 33 13-2528	EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	89.42	24.43
	For Work In Restricted Working Space, Add	*18.32*	
	For Installation Above 14', Add	*9.16*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.32*	
26 05 33 13-2529	EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	103.87	26.76
	For Work In Restricted Working Space, Add	*20.08*	
	For Installation Above 14', Add	*10.04*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 05 33 13-2530	EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	133.48	32.12
	For Work In Restricted Working Space, Add	*24.09*	
	For Installation Above 14', Add	*12.05*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2531	EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	303.13	84.74
	For Work In Restricted Working Space, Add	*63.52*	
	For Installation Above 14', Add	*31.76*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	281.17	60.23
		For Work In Restricted Working Space, Add	*45.17*	
		For Installation Above 14', Add	*22.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.17*	
26 05 33 13-2533	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	447.21	75.29
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2534	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	523.56	91.67
		For Work In Restricted Working Space, Add	*68.75*	
		For Installation Above 14', Add	*34.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.75*	
26 05 33 13-2535		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2490)*		
26 05 33 13-2536	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	66.68	21.08
		For Work In Restricted Working Space, Add	*15.81*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.81*	
26 05 33 13-2537	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	73.06	23.42
		For Work In Restricted Working Space, Add	*17.57*	
		For Installation Above 14', Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 05 33 13-2538	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	84.31	25.76
		For Work In Restricted Working Space, Add	*19.32*	
		For Installation Above 14', Add	*9.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.32*	
26 05 33 13-2539	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	99.88	29.45
		For Work In Restricted Working Space, Add	*22.08*	
		For Installation Above 14', Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.08*	
26 05 33 13-2540	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	114.58	32.12
		For Work In Restricted Working Space, Add	*24.09*	
		For Installation Above 14', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.09*	
26 05 33 13-2541	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	158.37	39.48
		For Work In Restricted Working Space, Add	*29.61*	
		For Installation Above 14', Add	*14.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.61*	
26 05 33 13-2542	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	251.25	57.88
		For Work In Restricted Working Space, Add	*43.41*	
		For Installation Above 14', Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-2543	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	365.26	75.29
		For Work In Restricted Working Space, Add	*56.46*	
		For Installation Above 14', Add	*28.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.46*	
26 05 33 13-2544	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	538.71	93.02
		For Work In Restricted Working Space, Add	*69.76*	
		For Installation Above 14', Add	*34.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.76*	
26 05 33 13-2545	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	604.45	111.75
		For Work In Restricted Working Space, Add	*83.81*	
		For Installation Above 14', Add	*41.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.81*	
26 05 33 13-2546		Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2433)*		
26 05 33 13-2547		Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2546)*		
26 05 33 13-2548	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.53	6.35
		For Work In Restricted Working Space, Add	*4.77*	
		For Installation Above 14', Add	*2.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2549	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.88	8.37
		For Work In Restricted Working Space, Add	*6.27*	
		For Installation Above 14', Add	*3.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2550	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.79	10.37
		For Work In Restricted Working Space, Add	*7.78*	
		For Installation Above 14', Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2551	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.08	12.71
		For Work In Restricted Working Space, Add	*9.53*	
		For Installation Above 14', Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-2552	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	65.27	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Installation Above 14', Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-2553	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.63	16.73
		For Work In Restricted Working Space, Add	*12.55*	
		For Installation Above 14', Add	*6.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2554			Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2546)*		
26 05 33 13-2555		EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.71	6.35
			For Work In Restricted Working Space, Add	*4.77*	
			For Installation Above 14', Add	*2.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2556		EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	29.58	8.37
			For Work In Restricted Working Space, Add	*6.27*	
			For Installation Above 14', Add	*3.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2557		EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	36.36	10.37
			For Work In Restricted Working Space, Add	*7.78*	
			For Installation Above 14', Add	*3.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2558		EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.87	12.71
			For Work In Restricted Working Space, Add	*9.53*	
			For Installation Above 14', Add	*4.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-2559		EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	61.22	14.72
			For Work In Restricted Working Space, Add	*11.04*	
			For Installation Above 14', Add	*5.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-2560		EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.28	16.73
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 05 33 13-2561			Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2546)*		
26 05 33 13-2562		EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	29.26	8.37
			For Work In Restricted Working Space, Add	*6.27*	
			For Installation Above 14', Add	*3.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2563		EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	37.96	10.37
			For Work In Restricted Working Space, Add	*7.78*	
			For Installation Above 14', Add	*3.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2564		EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	45.84	12.71
			For Work In Restricted Working Space, Add	*9.53*	
			For Installation Above 14', Add	*4.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-2565		EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	62.75	14.72
			For Work In Restricted Working Space, Add	*11.54*	
			For Installation Above 14', Add	*5.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-2566		EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	79.96	16.73
			For Work In Restricted Working Space, Add	*13.55*	
			For Installation Above 14', Add	*6.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-2567		EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	106.53	18.73
			For Work In Restricted Working Space, Add	*15.56*	
			For Installation Above 14', Add	*7.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 05 33 13-2568			Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2546)*		
26 05 33 13-2569		EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	23.31	6.35
			For Work In Restricted Working Space, Add	*4.77*	
			For Installation Above 14', Add	*2.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-2570		EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	31.13	8.37
			For Work In Restricted Working Space, Add	*6.27*	
			For Installation Above 14', Add	*3.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.27*	
26 05 33 13-2571		EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.68	10.37
			For Work In Restricted Working Space, Add	*7.78*	
			For Installation Above 14', Add	*3.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2572		EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	51.13	12.71
			For Work In Restricted Working Space, Add	*9.53*	
			For Installation Above 14', Add	*4.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-2573		EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.91	14.72
			For Work In Restricted Working Space, Add	*11.04*	
			For Installation Above 14', Add	*5.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-2574		EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	92.03	16.73
			For Work In Restricted Working Space, Add	*12.55*	
			For Installation Above 14', Add	*6.27*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2575		**Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-2433)*		
26 05 33 13-2576	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	101.28	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 05 33 13-2577	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	357.30	33.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.42*	
26 05 33 13-2578	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	689.45	68.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.57*	
26 05 33 13-2579		**Replacement Covers And Gaskets For Conduit Body** *(26 05 33 13-2433)*		
26 05 33 13-2580		**Replacement Stamped Aluminum Conduit Body Cover** *(26 05 33 13-2579)*		
26 05 33 13-2581	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	8.40	3.26
26 05 33 13-2582	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	10.22	3.81
26 05 33 13-2583	EA	1" Replacement Stamped Aluminum Conduit Body Cover	13.09	4.89
26 05 33 13-2584	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	15.95	5.98
26 05 33 13-2585	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	19.53	7.07
26 05 33 13-2586	EA	2" Replacement Stamped Aluminum Conduit Body Cover	23.11	8.16
26 05 33 13-2587	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	30.24	9.24
26 05 33 13-2588	EA	3" Replacement Stamped Aluminum Conduit Body Cover	39.42	13.05
26 05 33 13-2589	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	42.83	14.68
26 05 33 13-2590	EA	4" Replacement Stamped Aluminum Conduit Body Cover	53.95	18.48
26 05 33 13-2591		**Replacement Cast Steel Conduit Body Cover** *(26 05 33 13-2579)*		
26 05 33 13-2592	EA	1/2" Replacement Cast Steel Conduit Body Cover	9.67	3.26
26 05 33 13-2593	EA	3/4" Replacement Cast Steel Conduit Body Cover	11.33	3.81
26 05 33 13-2594	EA	1" Replacement Cast Steel Conduit Body Cover	15.82	4.89
26 05 33 13-2595	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	19.65	5.98
26 05 33 13-2596	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	23.84	7.07
26 05 33 13-2597	EA	2" Replacement Cast Steel Conduit Body Cover	28.04	8.16
26 05 33 13-2598	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	32.20	9.24
26 05 33 13-2599	EA	3" Replacement Cast Steel Conduit Body Cover	44.04	13.05
26 05 33 13-2600	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	50.11	14.68
26 05 33 13-2601	EA	4" Replacement Cast Steel Conduit Body Cover	63.16	18.48
26 05 33 13-2602		**Replacement Velbuna Composition Conduit Body Gasket** *(26 05 33 13-2579)*		
26 05 33 13-2603	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	7.83	3.26
26 05 33 13-2604	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	8.95	3.81
26 05 33 13-2605	EA	1" Replacement Velbuna Composition Conduit Body Gasket	11.67	4.89
26 05 33 13-2606	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	15.09	5.98
26 05 33 13-2607	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	17.26	7.07
26 05 33 13-2608	EA	2" Replacement Velbuna Composition Conduit Body Gasket	20.49	8.16
26 05 33 13-2609	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	26.65	9.24
26 05 33 13-2610	EA	3" Replacement Velbuna Composition Conduit Body Gasket	34.93	13.05
26 05 33 13-2611	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.58	14.68
26 05 33 13-2612	EA	4" Replacement Velbuna Composition Conduit Body Gasket	46.11	18.48
26 05 33 13-2613		**Replacement Neoprene Conduit Body Gasket** *(26 05 33 13-2579)*		
26 05 33 13-2614	EA	1/2" Replacement Neoprene Conduit Body Gasket	8.71	3.26
26 05 33 13-2615	EA	3/4" Replacement Neoprene Conduit Body Gasket	9.79	3.81
26 05 33 13-2616	EA	1" Replacement Neoprene Conduit Body Gasket	12.78	4.89
26 05 33 13-2617	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	15.65	5.98
26 05 33 13-2618	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	17.82	7.07
26 05 33 13-2619	EA	2" Replacement Neoprene Conduit Body Gasket	20.55	8.16
26 05 33 13-2620	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	26.79	9.24
26 05 33 13-2621	EA	3" Replacement Neoprene Conduit Body Gasket	35.07	13.05
26 05 33 13-2622	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	39.53	14.68
26 05 33 13-2623	EA	4" Replacement Neoprene Conduit Body Gasket	47.06	18.48
26 05 33 16		**Boxes For Electrical Systems** *(26 05 33)*		
		See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)*		
		Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	28.92	13.73
		For Stud Bracket, Add	*0.36*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	29.59	13.73
		For Stud Bracket, Add	*0.65*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	31.89	13.73
		For Stud Bracket, Add	*0.71*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	21.58	9.15
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	19.25	9.15
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	9.85	4.58

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	9.96	4.58
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	10.04	4.58
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	10.29	4.58
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	10.36	4.58
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	11.15	4.58
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	10.15	4.58
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	10.23	4.58
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	10.33	4.58
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	11.14	4.58
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	11.31	4.58
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	12.34	4.58
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	10.55	4.58
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	11.21	4.58
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	10.14	4.58
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	10.20	4.58
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	10.13	4.58
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	10.30	4.58
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	10.45	4.58
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.27	4.58
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.42	4.58
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	12.27	4.58
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.42	4.58
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.85	4.58
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.27	4.58
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.27	4.58
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	9.62	4.58
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	31.40	13.73
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	29.89	13.73
		For Stud Bracket, Add	*0.34*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	37.49	13.73
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	22.21	9.15
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	22.58	9.15
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.37	4.58
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.38	4.58
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.03	4.58
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.77	4.58
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.71	4.58
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.40	4.58
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.88	4.58
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.02	4.58
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.03	4.58
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.98	4.58
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.18	4.58
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	15.48	4.58
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.76	4.58
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.82	4.58
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	13.60	4.58
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	14.10	4.58
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.46	4.58
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	12.91	4.58
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.73	4.58
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.10	4.58
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.10	4.58
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.10	4.58
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	10.03	4.58
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	14.43	6.87
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	10.21	4.59
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	16.04	6.87
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	16.87	6.87
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	24.09	11.43
		For Stud Bracket, Add	*0.88*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	24.67	11.43
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	9.58	4.58
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	39.24	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	41.51	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	43.45	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	45.36	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	48.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	52.35	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	55.25	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	10.39	4.58
26 05 33 16-0082		4-1/2" Steel Gang Boxes *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	32.38	11.43
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	35.41	12.35
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	41.78	13.73
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	52.54	15.10
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	73.74	16.47
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	41.42	11.43
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	45.04	12.35
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	58.05	13.73
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	72.77	15.10
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	113.74	16.47
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	13.85	4.58
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	14.00	4.58
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	15.75	4.58
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	18.74	4.58
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	25.31	4.58
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	12.36	4.58
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	13.99	4.58
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	16.15	4.58
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	18.91	4.58
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	25.78	4.58
26 05 33 16-0103		Steel Switch Boxes *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	25.21	11.43
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	25.47	11.43
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	26.77	11.43
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	29.71	11.43
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	29.96	11.43
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	33.93	11.43
26 05 33 16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	24.02	11.43
		For Stud Bracket, Add	*1.41*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	24.29	11.43
		For Stud Bracket, Add	*0.61*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	24.89	11.43
		For Stud Bracket, Add	*0.83*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	15.37	6.86
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	15.10	6.86
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	5.17	2.28
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.22	2.28
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.97	2.28
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.99	2.28
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.50	2.28
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.99	2.28
26 05 33 16-0122		3"-1/2" Depth, 3-3/4" Steel Masonry Boxes *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	35.20	16.01
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	38.66	16.92
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	43.47	18.30
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	49.00	20.13
26 05 33 16-0127		Cast Boxes *(26 05 33 16)* Note: For flush or surface mount.		
26 05 33 16-0128		Cast Iron Alloy Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0268 for box covers.		
26 05 33 16-0129		Shallow, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	74.94	27.45
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	81.47	32.02
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	96.29	38.89
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	94.36	36.59
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	119.62	43.46
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	94.01	36.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	112.89	43.46
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	96.18	36.59
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	112.92	43.46
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	94.01	36.59
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	110.25	43.46
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	112.67	45.75
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	133.56	54.90
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	116.82	45.75
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	149.38	54.90
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	119.53	45.75
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	142.88	54.90
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	112.31	45.75
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	144.71	54.90
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	142.13	54.90
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	171.50	66.33
26 05 33 16-0151		Deep, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	78.00	27.45
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	89.95	32.02
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	106.07	38.89
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	99.94	36.59
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	115.77	43.46
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	139.25	52.61
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	123.39	43.46
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	158.41	54.90
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	89.13	29.74
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	99.18	34.31
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	115.63	41.17
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	108.89	38.89
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	124.19	45.75
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	98.30	29.74
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	107.81	34.31
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	122.70	38.89
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	138.78	45.75
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0268 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	65.79	22.88
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	75.74	27.45
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	85.38	34.31
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	62.23	22.88
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	78.25	27.45
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.44	32.02
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	101.57	38.89
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	127.21	48.04
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	90.63	32.02
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	98.55	38.89
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	87.11	32.02
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	100.66	38.89
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.83	32.02
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	100.66	38.89
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	79.58	32.02
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	106.24	38.89
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	101.50	41.17
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	123.42	50.32
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	106.95	41.17
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	142.28	50.32
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	106.49	41.17
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	130.59	50.32
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	132.21	50.32
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	129.88	50.32
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	158.65	61.77
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	72.11	22.88
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	86.40	27.45
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	100.03	34.31
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	92.16	27.45
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	92.60	32.02
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	111.59	38.89
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	126.27	48.04
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	112.93	38.89
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	139.01	50.32
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	85.52	25.16
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	98.23	29.74
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	106.98	36.59
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	107.81	34.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	111.93	41.17
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	138.09	50.32
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	85.45	25.16
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	99.09	29.74
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	109.78	34.31
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	125.14	41.17
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	109.78	34.31
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	125.14	41.17
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	115.41	36.59
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	130.27	43.46
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	128.48	32.02
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	144.23	38.89
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	134.05	36.59
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	164.84	41.17
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	153.30	45.75
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	148.74	41.17
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	179.97	45.75
26 05 33 16-0234		Non Metallic (PVC) Boxes *(26 05 33 16)* See CSI section 26 27 26 00-0268 for box covers.		
26 05 33 16-0235		Shallow, Single Gang Non Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	44.88	19.22
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	51.49	22.42
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	59.40	27.23
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	57.89	25.62
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	68.16	30.42
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	82.64	36.82
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	58.05	25.62
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	67.70	30.42
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	81.09	36.82
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	73.18	32.02
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	84.18	38.43
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	99.66	46.43
26 05 33 16-0248		Deep, Single Gang Non Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	45.39	19.22
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	44.50	19.22

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	52.68	22.42
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	59.89	27.23
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	58.87	25.62
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	66.86	30.42
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	80.12	36.82
26 05 33 16-0256		**Shallow, Two Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	48.34	20.81
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	55.46	24.02
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	62.70	28.82
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	60.00	27.23
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	73.51	32.02
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	87.20	38.43
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	61.17	27.23
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	76.75	32.02
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	84.61	38.43
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	74.93	33.63
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	96.83	40.03
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	102.78	48.04
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		
26 05 33 16-0271	EA	Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit. Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	418.05	34.31
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	266.97	
26 05 33 16-0273	EA	Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	36.60	9.15
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	44.73	4.58
26 05 33 16-0275	EA	Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	472.99	36.59
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	249.85	
26 05 33 16-0277	EA	Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	62.89	13.73
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	44.73	4.58
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	130.66	9.15
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit. Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	374.04	32.02
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	30.98	4.58
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	372.30	32.02
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	43.22	4.58
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0285		Evolution 6AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	631.67	36.59
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	631.75	36.59
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	602.21	36.59
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	602.21	36.59
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	631.67	36.59
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	631.67	36.59
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	577.28	36.59
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	362.98	34.31
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	389.04	34.31
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	391.62	34.31
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	111.80	18.30
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	254.07	9.15
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	254.07	9.15
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	211.34	9.15
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	30.67	2.28
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	15.35	4.58
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.66	4.58
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	15.28	4.58
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	15.32	4.58
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	15.22	4.58
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	17.91	4.58
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.72	4.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	18.14	4.58
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	15.00	4.58
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	15.01	4.58
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	14.81	4.58
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	14.81	4.58
26 05 33 16-0313	EA	20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	35.31	6.86
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	13.59	4.58
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	13.93	4.58
26 05 33 16-0316	EA	20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	109.81	8.24
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.51	4.58
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	18.23	4.58
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.74	4.58
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	28.97	9.15
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	33.29	11.43
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	36.60	11.43
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	27.85	9.15
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	18.11	4.58
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	18.11	4.58
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	19.06	4.58
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	19.70	4.58
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	827.63	36.59
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	787.88	36.59
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	780.40	36.59
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	773.30	36.59
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	468.17	34.31
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	524.18	34.31

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0335		EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	133.65	18.30
26 05 33 16-0336		EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	274.69	9.15
26 05 33 16-0337		EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	274.69	9.15
26 05 33 16-0338		EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	47.67	2.28
26 05 33 16-0339		EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	15.84	4.58
26 05 33 16-0340		EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.93	4.58
26 05 33 16-0341		EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.03	4.58
26 05 33 16-0342		EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.52	4.58
26 05 33 16-0343		EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	22.34	4.58
26 05 33 16-0344		EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	22.31	4.58
26 05 33 16-0345		EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	15.38	4.58
26 05 33 16-0346		EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	15.57	4.58
26 05 33 16-0347		EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.38	4.58
26 05 33 16-0348		EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.38	4.58
26 05 33 16-0349		EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.00	4.58
26 05 33 16-0350		EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	18.40	4.58
26 05 33 16-0351		EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	21.15	4.58
26 05 33 16-0352		EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	28.97	9.15

26 05 33 23 Surface Raceways For Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004		LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	15.53	4.18
			For Combination Hinged Screw Cover, Add	*0.36*	
			For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0005		EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	15.15	6.27
			For Combination Hinged Screw Cover, Add	*0.13*	
26 05 33 23-0006		EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	18.25	7.82
			For Combination Hinged Screw Cover, Add	*0.13*	
26 05 33 23-0007		EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	36.90	14.63
			For Combination Hinged Screw Cover, Add	*0.38*	
26 05 33 23-0008		EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	52.07	14.63
			For Combination Hinged Screw Cover, Add	*1.14*	
26 05 33 23-0009		EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	76.40	20.83
			For Combination Hinged Screw Cover, Add	*1.74*	
26 05 33 23-0010		EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	85.49	23.00
			For Combination Hinged Screw Cover, Add	*1.97*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012		LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	19.11	5.27
			For Combination Hinged Screw Cover, Add	*0.43*	
			For Concrete Or Masonry Surface, Add	*0.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	30.88	5.27
		For Combination Hinged Screw Cover, Add	*1.02*	
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	11.91	4.60
		For Combination Hinged Screw Cover, Add	*0.14*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	20.28	8.78
		For Combination Hinged Screw Cover, Add	*0.14*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	44.10	17.90
		For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	60.78	17.90
		For Combination Hinged Screw Cover, Add	*1.25*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	84.33	23.25
		For Combination Hinged Screw Cover, Add	*1.89*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	97.68	27.18
		For Combination Hinged Screw Cover, Add	*2.17*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	27.30	6.27
		For Combination Hinged Screw Cover, Add	*0.74*	
		For Concrete Or Masonry Surface, Add	*0.63*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	47.94	6.27
		For Combination Hinged Screw Cover, Add	*1.77*	
		For Concrete Or Masonry Surface, Add	*0.63*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	14.39	5.02
		For Combination Hinged Screw Cover, Add	*0.22*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	25.27	10.45
		For Combination Hinged Screw Cover, Add	*0.22*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	58.53	20.83
		For Combination Hinged Screw Cover, Add	*0.85*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	76.15	20.83
		For Combination Hinged Screw Cover, Add	*1.73*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	114.10	26.01
		For Combination Hinged Screw Cover, Add	*3.11*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	125.29	30.11
		For Combination Hinged Screw Cover, Add	*3.25*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	41.29	6.86
		For Combination Hinged Screw Cover, Add	*1.38*	
		For Concrete Or Masonry Surface, Add	*0.68*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	70.69	6.86
		For Combination Hinged Screw Cover, Add	*2.85*	
		For Concrete Or Masonry Surface, Add	*0.68*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	15.79	5.43
		For Combination Hinged Screw Cover, Add	*0.25*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	27.49	11.30
		For Combination Hinged Screw Cover, Add	*0.25*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	65.09	22.92
		For Combination Hinged Screw Cover, Add	*0.96*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	93.71	22.92
		For Combination Hinged Screw Cover, Add	*2.39*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	134.73	28.28
		For Combination Hinged Screw Cover, Add	*3.91*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	183.78	34.30
		For Combination Hinged Screw Cover, Add	*5.76*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	58.32	7.95
		For Combination Hinged Screw Cover, Add	*2.12*	
		For Concrete Or Masonry Surface, Add	*0.80*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	98.10	7.95
		For Combination Hinged Screw Cover, Add	*4.11*	
		For Concrete Or Masonry Surface, Add	*0.80*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	20.98	6.27
		For Combination Hinged Screw Cover, Add	*0.42*	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	33.53	12.55
		For Combination Hinged Screw Cover, Add	*0.42*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	82.12	24.93
		For Combination Hinged Screw Cover, Add	*1.61*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	138.89	24.93
		For Combination Hinged Screw Cover, Add	*4.45*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	204.81	31.45
		For Combination Hinged Screw Cover, Add	*7.10*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	284.42	35.55
		For Combination Hinged Screw Cover, Add	*10.67*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	68.70	9.62
		For Combination Hinged Screw Cover, Add	*2.47*	
		For Concrete Or Masonry Surface, Add	*0.96*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	108.67	9.62
		For Combination Hinged Screw Cover, Add	*4.47*	
		For Concrete Or Masonry Surface, Add	*0.96*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	26.27	6.70
		For Combination Hinged Screw Cover, Add	*0.64*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	39.66	13.38
		For Combination Hinged Screw Cover, Add	*0.64*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	103.10	27.18
		For Combination Hinged Screw Cover, Add	*2.44*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	178.28	27.18
		For Combination Hinged Screw Cover, Add	*6.20*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	228.57	33.46
		For Combination Hinged Screw Cover, Add	*8.08*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	358.32	37.64
		For Combination Hinged Screw Cover, Add	*14.15*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	#500, 3/4" x 17/32" One Piece Surface Metal Raceway	3.63	1.25
		For Concrete Or Masonry Surface, Add	*0.13*	
26 05 33 23-0060	EA	#502 Bushing	3.62	1.67
26 05 33 23-0061	EA	#504 One Or Two Hole Strap	3.65	1.67
26 05 33 23-0062	EA	#506 Connection Cover	3.78	1.67
26 05 33 23-0063	EA	#511 Flat 90 Degree Elbow	5.68	2.00
26 05 33 23-0064	EA	#512 Flat 45 Degree Elbow	9.28	2.09
26 05 33 23-0065	EA	#517 Adjustable Internal Elbow	7.07	2.51
26 05 33 23-0066	EA	#518 Adjustable External Elbow	6.92	2.51

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	#700, 3/4" x 21/32" One Piece Surface Metal Raceway	4.60	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0069	EA	#702 Bushing	3.70	1.67
26 05 33 23-0070	EA	#704 One Or Two Hole Strap	3.81	1.67
26 05 33 23-0071	EA	#706 Connection Cover	3.84	1.67
26 05 33 23-0072	EA	#711 Flat 90 Degree Elbow	8.41	3.35
26 05 33 23-0073	EA	#712 Flat 45 Degree Elbow	12.99	3.35
26 05 33 23-0074	EA	#717 Adjustable Internal Elbow	9.05	3.35
26 05 33 23-0075	EA	#718 Adjustable External Elbow	8.76	3.35

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	#5700F 18" Flex Fitting, For #500 Or 700	24.11	2.51
26 05 33 23-0078	EA	#5701 Galvanized Coupling, For #500 Or 700	3.80	1.67
26 05 33 23-0079	EA	#5703 Supporting Clip, For #500 Or 700	3.80	1.67
26 05 33 23-0080	EA	#5709 Ground Clamp	10.70	2.51
26 05 33 23-0081	EA	#5709GC Grounding Connector	9.09	2.51
26 05 33 23-0082	EA	#5711 L Or R (Left Or Right) Twisted Internal Ell	10.39	3.35
26 05 33 23-0083	EA	#5715 Tee	11.73	4.18
26 05 33 23-0084	EA	#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2"	19.91	3.35
26 05 33 23-0085	EA	#57242 Utility Box For #500 Or #700	15.42	3.35
26 05 33 23-0086	EA	#5731 Blank Cover, 2-3/8" Diameter	8.32	2.09
26 05 33 23-0087	EA	#5733 Outlet Box, 3" Diameter	18.99	3.35
26 05 33 23-0088	EA	#5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep	18.92	3.35
26 05 33 23-0089	EA	#5736 Blank Cover, 4-3/8"	8.81	2.09
26 05 33 23-0090	EA	#5737 Extension Box/Open Base, 4-3/4" Diameter	17.23	3.35
26 05 33 23-0091	EA	#5737A Extension Box/Open Base, 5-1/2" Diameter	16.64	3.35
26 05 33 23-0092	EA	#5738 Fixture Box/Solid Base, 4-3/4" Diameter	16.78	3.35
26 05 33 23-0093	EA	#5738A Fixture Box/Solid Base, 5-1/2" Diameter	16.78	3.35
26 05 33 23-0094	EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter	18.92	3.35
26 05 33 23-0095	EA	#5739 Fixture Box/Solid Base, 6-3/8"	18.69	3.35
26 05 33 23-0096	EA	#5739A Extension Box/Open Base, 6-3/8" Diameter	19.92	3.35
26 05 33 23-0097	EA	#57240 Standard Switch Box For #500, Or #700	22.66	5.43
26 05 33 23-0098	EA	#57243G Duplex Receptacle And Box, Ground, For #500 Or #700	36.07	10.45
26 05 33 23-0099	EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8"	17.28	5.43
26 05 33 23-0100	EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4"	26.98	5.43

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0101	EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4"	30.84	5.43
26 05 33 23-0102	EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	46.51	5.43
26 05 33 23-0103	EA	#5744S Signal Box 1 Gang	24.41	4.60
26 05 33 23-0104	EA	#5744S-2 Signal Box 2 Gang	27.18	4.60
26 05 33 23-0105	EA	#5744S-3 Signal Box 3 Gang	43.29	4.60
26 05 33 23-0106	EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4"	18.01	5.43
26 05 33 23-0107	EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8"	15.91	5.43
26 05 33 23-0108	EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8"	22.14	5.43
26 05 33 23-0109	EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	42.50	5.43
26 05 33 23-0110	EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	16.97	5.43
26 05 33 23-0111	EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	23.40	5.43
26 05 33 23-0112	EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4"	41.33	5.43
26 05 33 23-0113	EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4"	61.05	5.43
26 05 33 23-0114	EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4"	100.27	5.43
26 05 33 23-0115	EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4"	102.03	5.43
26 05 33 23-0116	EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16"	16.76	5.43
26 05 33 23-0117	EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16"	16.32	5.43
26 05 33 23-0118	EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16"	21.51	5.43
26 05 33 23-0119	EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16"	41.72	5.43
26 05 33 23-0120	EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	17.59	5.43
26 05 33 23-0121	EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8"	22.59	5.43
26 05 33 23-0122	EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4"	32.29	5.43
26 05 33 23-0123	EA	#5760 Blank Extension Box	11.24	2.09
26 05 33 23-0124	EA	#5780 Special Nipple, 1/2"	10.72	2.09
26 05 33 23-0125	EA	#5781 1/2" Box Connector	7.20	2.09
26 05 33 23-0126	EA	#5781A 3/4" Box Connector	13.44	2.51
26 05 33 23-0127	EA	#5782 1/2" Conduit Connector	7.27	2.09
26 05 33 23-0128	EA	#5782A 3/4" Conduit Connector	16.77	2.51
26 05 33 23-0129	EA	#5784 1/2" Elbow Conduit Connector	15.05	2.51
26 05 33 23-0130	EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box	8.49	2.51
26 05 33 23-0131	EA	#5786 Offset Connector	13.99	2.51
26 05 33 23-0132	EA	#5790B Armor Cable Connector	7.37	2.09
26 05 33 23-0133	EA	#5791 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700	6.51	1.67
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway	6.56	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0136	EA	#1500WC Wire Clip	4.14	1.67
26 05 33 23-0137	EA	#1502 Bushing	4.91	2.09
26 05 33 23-0138	EA	#1504 2-Hole Strap	5.57	2.51
26 05 33 23-0139	EA	#1511 Flat Elbow	21.35	7.95
26 05 33 23-0140	EA	#1517 Internal Elbow	22.03	7.95
26 05 33 23-0141	EA	#1517B Adapter Fitting	23.60	7.95
26 05 33 23-0142	EA	#1518 External Elbow	23.47	7.95
26 05 33 23-0143	EA	#1528 Utility Box	20.97	5.43
26 05 33 23-0144	EA	#1542D Junction Box	21.60	5.43
26 05 33 23-0145	EA	#1543GL Duplex Receptacle	42.29	10.45
26 05 33 23-0146	EA	#1546A Single Receptacle Box	22.22	5.43
26 05 33 23-0147	EA	#1546B Duplex Receptacle Box	27.02	5.43
26 05 33 23-0148	EA	#1546T Telephone Box	26.52	5.43
26 05 33 23-0149	EA	#1585 Combination Connection	12.80	2.51
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	#2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	10.75	3.77
		For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0152	EA	#2600WC Wire Clip	4.13	1.67
26 05 33 23-0153	EA	#2602 Fiber Bushing	4.56	1.67
26 05 33 23-0154	EA	#2611 2-5/8 90 Degree Flat Elbow	15.49	2.93
26 05 33 23-0155	EA	#2642D Junction Box, 5" Diameter	23.15	4.18
26 05 33 23-0156	EA	#2686FO Service Fitting	22.92	5.02
26 05 33 23-0157		Two Piece Surface Metal Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	#2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover	6.29	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0160	EA	#2000WC Wire Clip	3.05	1.67
26 05 33 23-0161	EA	#2001 Coupling	8.21	2.09
26 05 33 23-0162	EA	#2003 Supporting Clip	3.89	1.25
26 05 33 23-0163	EA	#2006 Cover Clip	3.62	1.25
26 05 33 23-0164	EA	#2009 Ground Clamp	9.21	2.09
26 05 33 23-0165	EA	#2010A2 Entrance End Fitting	18.55	6.27

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0166	EA	#2010A3 Entrance End Fitting	31.37	8.37
26 05 33 23-0167	EA	#2010B Blank End Fitting	4.99	2.09
26 05 33 23-0168	EA	#2011 Flat 90 Degree Elbow	15.98	5.43
26 05 33 23-0169	EA	#2015 Tee	28.97	7.86
26 05 33 23-0170	EA	#2017TC Internal Corner Coupling	10.34	4.18
26 05 33 23-0171	EA	#2048 Single Gang device Box	24.06	7.45
26 05 33 23-0172	EA	#2048-2 2-Gang device Box	37.40	8.28
26 05 33 23-0173	EA	#2051H Flush Plate Adapter	26.11	8.28
26 05 33 23-0174	EA	#2089 Side Reducing Connector	21.11	4.18
26 05 33 23-0175	EA	#2089E End Reducing Connector	8.76	2.09
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	5.32	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0178	LF	#2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base	5.78	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0179	LF	#2400C Raceway Cover	2.00	0.42
26 05 33 23-0180	EA	#2400WC Wire Clip	3.01	1.67
26 05 33 23-0181	EA	#2401 Coupling	8.10	2.09
26 05 33 23-0182	EA	#2401D Divided Raceway Coupling	6.37	2.09
26 05 33 23-0183	EA	#2406 Cover Clip	3.55	1.25
26 05 33 23-0184	EA	#2407-2CM Device Bracket Frame	25.57	6.27
26 05 33 23-0185	EA	#2407-2TJ Device Bracket Frame	24.57	6.27
26 05 33 23-0186	EA	#2409 Ground Clamp	6.58	1.67
26 05 33 23-0187	EA	#2410A End Fitting	17.40	6.27
26 05 33 23-0188	EA	#2410B Blank End	4.96	2.09
26 05 33 23-0189	EA	#2410BD Divided Blank End Fitting	5.02	2.09
26 05 33 23-0190	EA	#2410C Entrance End Fitting	25.46	6.27
26 05 33 23-0191	EA	#2410D Divided Entrance End Fitting	24.49	6.27
26 05 33 23-0192	EA	#2410DFO Divided Entrance End Fitting	38.92	6.27
26 05 33 23-0193	EA	#2410FC Full Cap Entrance End Fitting	30.27	6.27
26 05 33 23-0194	EA	#2411D Divided Flat 90 Degree Elbow	19.29	6.27
26 05 33 23-0195	EA	#2411DFO Radiused Divided Flat 90 Degree Elbow	29.75	6.27
26 05 33 23-0196	EA	#2411FO Radiused Flat 90 Degree Elbow	26.83	6.19
26 05 33 23-0197	EA	#2411M Flat 90 Degree Elbow	18.48	6.27
26 05 33 23-0198	EA	#2415DFO Radiused Divided Tee	31.76	6.19
26 05 33 23-0199	EA	#2415FO Radiused Tee	30.29	6.19
26 05 33 23-0200	EA	#2415M Tee	21.54	6.19
26 05 33 23-0201	EA	#2417D Divided Internal Coupling	18.28	6.19
26 05 33 23-0202	EA	#2417DFO Radiused Divided Internal Coupling	27.64	6.19
26 05 33 23-0203	EA	#2417FO Radiused Internal Coupling	26.87	6.19
26 05 33 23-0204	EA	#2417M Internal Coupling	17.77	6.19
26 05 33 23-0205	EA	#2418DFO Radiused Divided External Coupling	29.88	6.19
26 05 33 23-0206	EA	#2418FO Radiused External Coupling	29.43	6.19
26 05 33 23-0207	EA	#2418M External Coupling	21.20	6.19
26 05 33 23-0208	EA	#2444 Extra Deep Switch And Receptacle, 1 Gang	27.11	5.43
26 05 33 23-0209	EA	#2444-2 Extra Deep Switch And Receptacle Box, 2 Gang	29.92	5.43
26 05 33 23-0210	EA	#2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	30.07	5.43
26 05 33 23-0211	EA	#2444D Divided Extra Deep Switch And Receptacle, 1 Gang	28.88	5.43
26 05 33 23-0212	EA	#2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang	40.10	5.43
26 05 33 23-0213	EA	#2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	35.49	5.43
26 05 33 23-0214	EA	#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	19.47	5.43
26 05 33 23-0215	EA	#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	29.30	5.43
26 05 33 23-0216	EA	#2450 Adapter Plate, Device Bracket Type	9.12	2.09
26 05 33 23-0217	EA	#2451H 4-1/2" x 4-1/2" Back Feed Fitting	22.00	6.27
26 05 33 23-0218	EA	#2475D Bridge Fitting 2400/700/500	61.90	6.27
26 05 33 23-0219	EA	#2489 Side Reducing Connector	18.48	3.35
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base	10.59	3.77
		For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0222	LF	#3000CE Raceway Cover	2.42	0.42
26 05 33 23-0223	EA	#3000WC Wire Clips For Conductors	4.01	1.67
26 05 33 23-0224	EA	#3001 Couplings	10.46	1.67
26 05 33 23-0225	EA	#3001A Rigid Inside Coupling	10.05	2.09
26 05 33 23-0226	EA	#3003 Supporting Clip	7.52	2.09
26 05 33 23-0227	EA	#3006E Clip Cover	4.41	1.67
26 05 33 23-0228	EA	#3007C Device Brackets	11.22	3.35
26 05 33 23-0229	EA	#3008C C-Hanger	11.00	2.51
26 05 33 23-0230	EA	#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors	26.02	7.95
26 05 33 23-0231	EA	#3010B Blank End Fittings	9.61	3.35
26 05 33 23-0232	EA	#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit	28.66	7.95
26 05 33 23-0233	EA	#3011E Flat 90 Degree Elbow	42.76	10.37
26 05 33 23-0234	EA	#3014C Wall Box Connector	31.09	10.45
26 05 33 23-0235	EA	#3015E Tee Fitting	58.54	12.97
26 05 33 23-0236	EA	#3017TCE Internal Corner Coupling	28.04	7.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0237	EA	#3018AE External Corner	34.24	7.95
26 05 33 23-0238	EA	#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4"	24.87	7.95
26 05 33 23-0239	EA	#3028 Utility Box	41.10	7.95
26 05 33 23-0240	EA	#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57"	13.17	2.09
26 05 33 23-0241	EA	#3036HE Blank Cover	14.37	2.09
26 05 33 23-0242	EA	#3040CE Switch Cover	13.14	2.09
26 05 33 23-0243	EA	#3043BE Duplex Receptacle Cover	13.34	2.51
26 05 33 23-0244	EA	#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover	36.99	10.88
26 05 33 23-0245	EA	#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang	46.08	7.95
26 05 33 23-0246	EA	#3046BE Duplex Receptacle Cover	13.31	2.51
26 05 33 23-0247	EA	#3046H-2 Tap Off Fitting	12.92	2.09
26 05 33 23-0248	EA	#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long	49.62	5.02
26 05 33 23-0249	EA	#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long	118.06	5.02
26 05 33 23-0250	EA	#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long	43.48	5.02
26 05 33 23-0251	EA	#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide	46.88	5.02
26 05 33 23-0252	EA	#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide	46.88	5.02
26 05 33 23-0253	EA	#3048R Rectangular Receptacle Cover	15.29	2.51
26 05 33 23-0254		4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255	LF	#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base	12.87	3.77
		For Concrete Or Masonry Surface, Add	*0.41*	
26 05 33 23-0256	LF	#4000C Raceway Cover	4.42	0.42
26 05 33 23-0257	LF	#4000D Divider	2.19	0.42
26 05 33 23-0258	EA	#4000WC Wire Clips For Conductors	4.88	2.09
26 05 33 23-0259	EA	#4001A Couplings	12.77	2.51
26 05 33 23-0260	EA	#4001D Divider Clip	6.15	2.51
26 05 33 23-0261	EA	#4006 Seam Clip	6.25	2.51
26 05 33 23-0262	EA	#4007C-1 Device Plate, 1 Gang	57.37	5.43
26 05 33 23-0263	EA	#4007C-1R Single Device Fitting	60.74	5.43
26 05 33 23-0264	EA	#4007C-2 Device Plate, 2 Gang	64.71	5.43
26 05 33 23-0265	EA	#4010B Blank End Fittings	13.47	3.35
26 05 33 23-0266	EA	#4010DFO Entrance End Fitting	51.68	12.88
26 05 33 23-0267	EA	#4011 Flat 90 Degree Elbow	47.80	10.45
26 05 33 23-0268	EA	#4011FO Radiused Flat 90 Degree Elbow	56.14	10.45
26 05 33 23-0269	EA	#4012TX Internal Or External 45 Degree Elbow	52.32	12.97
26 05 33 23-0270	EA	#4014A Wall Box Connector	69.00	12.97
26 05 33 23-0271	EA	#4015 Tee Fitting	76.32	12.97
26 05 33 23-0272	EA	#4015D Divided Tee Fitting	79.26	12.97
26 05 33 23-0273	EA	#4015DFO Radiused Full Capacity Divided Tee Fitting	94.23	12.97
26 05 33 23-0274	EA	#4015FO Radiused Tee Fitting	94.51	12.97
26 05 33 23-0275	EA	#4017 Internal Elbow	42.93	12.97
26 05 33 23-0276	EA	#4017FO Internal Elbow	75.03	12.97
26 05 33 23-0277	EA	#4017N Inverted Internal Elbow	47.34	12.97
26 05 33 23-0278	EA	#4017TCA Internal Corner Coupling	40.60	12.97
26 05 33 23-0279	EA	#4018 External Elbow	62.98	12.97
26 05 33 23-0280	EA	#4018FO Radiused External Elbow	72.74	12.97
26 05 33 23-0281	EA	#4046ARJ Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover	60.61	5.43
26 05 33 23-0282	EA	#4046B-2 Double Duplex Receptacle Outlet Cover	64.21	5.43
26 05 33 23-0283	EA	#4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover	64.21	5.43
26 05 33 23-0284	EA	#4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover	85.55	5.43
26 05 33 23-0285	EA	#4046H-2 Tap-Off Fitting	18.67	5.43
26 05 33 23-0286	EA	#4046JRJ Combination Single Receptacle And Phone Outlet Center	54.75	2.51
26 05 33 23-0287	EA	#4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	65.70	5.43
26 05 33 23-0288	EA	#4050 Device Mounting Bracket	20.69	5.43
26 05 33 23-0289	EA	#4074A Take-off Connector, #4000 To #3000	95.64	12.97
26 05 33 23-0290	EA	#4075D Bridge Fitting	86.39	12.97
26 05 33 23-0291	EA	#4075DA Bridge Fitting	86.39	12.97
26 05 33 23-0292	EA	#4086A Panel Connector	71.84	24.68
26 05 33 23-0293	EA	#4089 Reducing Connector Fitting	43.85	12.97
26 05 33 23-0294		4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295	LF	#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	18.57	4.60
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0296	LF	#6000C Raceway Cover	5.29	1.25
26 05 33 23-0297	LF	#6000DA Divider	5.52	1.25
26 05 33 23-0298	EA	#6000WC Wire Clips For Conductors	5.61	2.09
26 05 33 23-0299	EA	#6001A Couplings	15.72	4.18
26 05 33 23-0300	EA	#6001D Divider Clip	7.24	2.09
26 05 33 23-0301	EA	#6001TX Converter Coupling	20.00	5.43
26 05 33 23-0302	EA	#6006 Connection Cover	19.03	5.43
26 05 33 23-0303	EA	#6007C-1 Single Gang Device Plate	19.91	5.43
26 05 33 23-0304	EA	#6007C-2 Two Gang Device Plate	21.71	5.43
26 05 33 23-0305	EA	#6008A C-Hanger	31.56	7.95
26 05 33 23-0306	EA	#6010B Blank End Fittings	34.68	12.55
26 05 33 23-0307	EA	#6011TX Combination Flat Elbow	63.32	12.55
26 05 33 23-0308	EA	#6012TX Internal - External 45 Degree Elbow	64.28	12.05

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0309	EA	#6014A Connector Fitting	91.03	12.97
26 05 33 23-0310	EA	#6017TX Combination Internal-External Elbow	65.79	14.22
26 05 33 23-0311	EA	#6046KD Circuit Breaker Housing	112.92	14.22
26 05 33 23-0312	EA	#6074 Take-off Connector, #6000 To #6000	108.78	12.55
26 05 33 23-0313	EA	#6074A Take-off Connector, #6000 To #4000	117.53	12.55
26 05 33 23-0314	EA	#6086 Panel Connector	74.70	29.11

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base	8.35	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0318	LF	#AL2000C Aluminum Raceway Cover	4.13	0.42
26 05 33 23-0319	EA	#AL2000WC Wire Clip	4.06	1.67
26 05 33 23-0320	EA	#AL2001 Coupling	9.00	2.09
26 05 33 23-0321	EA	#AL2003 Supporting Clip	4.38	1.25
26 05 33 23-0322	EA	#AL2006 Cover Clip	5.55	1.25
26 05 33 23-0323	EA	#AL2009 Ground Clamp	7.95	2.09
26 05 33 23-0324	EA	#AL2010A Entrance End Fitting	22.23	6.27
26 05 33 23-0325	EA	#AL2010B Blank End Fitting	7.20	2.09
26 05 33 23-0326	EA	#AL2011 Flat 90 Degree Elbow	25.71	5.43
26 05 33 23-0327	EA	#AL2015 Tee	34.89	7.86
26 05 33 23-0328	EA	#AL2017 Internal Corner Elbow	23.24	4.18
26 05 33 23-0329	EA	#AL2018 External Corner Elbow	23.19	4.18
26 05 33 23-0330	EA	#AL2043 In-Line Receptacle, Two 15 Amp	37.99	8.28
26 05 33 23-0331	EA	#AL2038 4-13/16" Round Fixture Box	87.55	7.45
26 05 33 23-0332	EA	#AL2044 4-1/2" x 3" x 2-1/4" D Box	39.08	7.45
26 05 33 23-0333	EA	#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box	80.68	8.28
26 05 33 23-0334	EA	#AL2047 Single Gang Shallow Device Box	40.46	7.45
26 05 33 23-0335	EA	#AL2047-2 2-Gang Shallow Device Box	71.36	8.28
26 05 33 23-0336	EA	#AL2051H Flush Plate Adapter	30.76	8.28

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*

26 05 33 23-0338	LF	#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base	8.48	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0339	LF	#AL2400C Aluminum Raceway Cover	3.69	0.42
26 05 33 23-0340	EA	#AL2400WC Wire Clip	5.03	1.67
26 05 33 23-0341	EA	#AL2401 Coupling	9.91	2.09
26 05 33 23-0342	EA	#AL2406 Cover Clip	6.41	1.25
26 05 33 23-0343	EA	#AL2409 Ground Clamp	5.69	1.67
26 05 33 23-0344	EA	#AL2410B Blank End	7.32	2.09
26 05 33 23-0345	EA	#AL2410B2 End Fitting	16.34	6.27
26 05 33 23-0346	EA	#AL2411 Flat 90 Degree Elbow	27.96	6.27
26 05 33 23-0347	EA	#AL2415 Tee	30.26	6.19
26 05 33 23-0348	EA	#AL2416 Fourway Fitting	35.15	6.19
26 05 33 23-0349	EA	#AL2417 Internal Coupling	27.85	6.19
26 05 33 23-0350	EA	#AL2418 External Coupling	29.81	6.19
26 05 33 23-0351	EA	#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting	25.17	6.27

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base	16.93	3.77
		For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0354	LF	#AL3300CE Aluminum Raceway Cover	5.10	0.42
26 05 33 23-0355	LF	#AL3300D Raceway Divider	4.19	3.77
26 05 33 23-0356	EA	#AL3300WC Wire Clips For Conductors	8.13	1.67
26 05 33 23-0357	EA	#AL3301 Couplings	14.54	1.67
26 05 33 23-0358	EA	#AL3301D Divider Coupling	12.27	2.09
26 05 33 23-0359	EA	#AL3309 Ground Clamp	8.21	1.67
26 05 33 23-0360	EA	#AL3310B Blank End Fittings	17.10	3.35
26 05 33 23-0361	EA	#AL3310B1 End Fitting	27.35	7.95
26 05 33 23-0362	EA	#AL3311 Flat 90 Degree Elbow Note: Includes two (2) AL3301 couplings.	85.48	10.37
26 05 33 23-0363	EA	#AL3315 Tee Fitting Note: Includes three (3) AL3301 couplings.	97.87	12.97
26 05 33 23-0364	EA	#AL3316 Cross Fitting Note: Includes four (4) AL3301 couplings.	110.98	12.97
26 05 33 23-0365	EA	#AL3317 Internal Elbow Note: Includes two (2) AL3301 couplings.	80.40	7.95
26 05 33 23-0366	EA	#AL3318 External Elbow Note: Includes two (2) AL3301 couplings.	80.49	7.95
26 05 33 23-0367	EA	#AL3346D Duplex Receptacle Cover	17.72	2.51
26 05 33 23-0368	EA	#AL3346E Single Receptacle Cover	17.60	2.51
26 05 33 23-0369	EA	#AL3346G GFCI/Surge Receptacle Cover	17.41	2.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0370	EA	#AL3356R Single Device Cover Plate	17.49	2.09
26 05 33 23-0371		5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	#AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base	20.16	3.77
		For Concrete Or Masonry Surface, Add	*0.41*	
26 05 33 23-0373	LF	#AL5200C Aluminum Raceway Cover	8.32	0.42
26 05 33 23-0374	LF	#AL5200D Divider	4.87	0.42
26 05 33 23-0375	EA	#AL5200WC Wire Clips For Conductors	6.68	2.09
26 05 33 23-0376	EA	#AL5200WC2 Wire Clips For Conductors	5.60	2.09
26 05 33 23-0377	EA	#AL5200WC3 Wire Clips For Conductors	5.56	2.09
26 05 33 23-0378	EA	#AL5201 Couplings	13.02	2.51
26 05 33 23-0379	EA	#AL5206 Cover Clip	11.55	2.51
26 05 33 23-0380	EA	#AL5209 Ground Adapter	14.37	2.51
26 05 33 23-0381	EA	#AL5210B Blank End Fittings	15.19	3.35
26 05 33 23-0382	EA	#AL5210B1 Blank End Fittings	16.31	3.35
26 05 33 23-0383	EA	#AL5210B2 Blank End Fittings	16.56	3.35
26 05 33 23-0384	EA	#AL5210B3 Blank End Fittings	16.05	3.35
26 05 33 23-0385	EA	#AL5211 Flat 90 Degree Elbow Note: Includes two (2) pairs of AL5201 couplings.	83.91	10.45
26 05 33 23-0386	EA	#AL5214 Wall Box Connector	65.92	12.97
26 05 33 23-0387	EA	#AL5215 Tee Fitting Note: Includes three (3) pairs of AL5201 couplings.	98.18	12.97
26 05 33 23-0388	EA	#AL5216 Four Way Fitting Note: Includes four (4) pairs of AL5201 couplings.	107.73	12.97
26 05 33 23-0389	EA	#AL5217 Internal Elbow Note: Includes two (2) pairs of AL5201 couplings.	87.07	12.97
26 05 33 23-0390	EA	#AL5217A Internal Corner Coupling	36.80	12.97
26 05 33 23-0391	EA	#AL5217N Inverted Internal Elbow	89.50	12.97
26 05 33 23-0392	EA	#AL5218 External Elbow Note: Includes two (2) pairs of AL5201 couplings.	87.83	12.97
26 05 33 23-0393	EA	#AL5246B Blank Device Cover Plate	18.83	2.51
26 05 33 23-0394	EA	#AL5246D Receptacle Device Cover Plate	22.33	2.51
26 05 33 23-0395	EA	#AL5246DD Double Receptacle Device Cover Plate	26.51	2.51
26 05 33 23-0396	EA	#AL5246F Device Cover Plate	24.86	2.51
26 05 33 23-0397	EA	#AL5246G Device Cover Plate	22.95	2.51
26 05 33 23-0398	EA	#AL5260 Offset Divider	21.48	5.43
26 05 33 23-0399		3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	#ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	17.54	3.77
26 05 33 23-0401	EA	#ALA3806 Cover Clip	8.42	2.51
26 05 33 23-0402	EA	#ALA3810B Blank End Fittings	14.71	3.35
26 05 33 23-0403	EA	#ALA3810B1 Entrance End Cap Fittings	15.79	3.35
26 05 33 23-0404	EA	#ALA3811 Flat 90 Degree Elbow Note: Includes two (2) ALA01 couplings.	80.50	10.45
26 05 33 23-0405	EA	#ALA3815 Flat Tee Fitting Note: Includes three (3) ALA01 couplings.	83.18	12.97
26 05 33 23-0406	EA	#ALA3817 Internal Elbow Note: Includes two (2) ALA01 couplings.	81.13	12.97
26 05 33 23-0407	EA	#ALA3817N Inverted Internal Elbow Note: Includes two (2) ALA01 couplings.	95.36	12.97
26 05 33 23-0408	EA	#ALA3818 External Elbow Note: Includes two (2) ALA01 couplings.	82.18	12.97
26 05 33 23-0409		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	#ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	26.57	3.77
26 05 33 23-0411	EA	#ALA4806 Cover Clip	11.58	2.51
26 05 33 23-0412	EA	#ALA4810B Blank End Fittings	15.18	3.35
26 05 33 23-0413	EA	#ALA4810B2 Entrance End Cap Fittings	16.86	3.35
26 05 33 23-0414	EA	#ALA4811 Flat 90 Degree Elbow Note: Includes four (4) ALA01 couplings.	97.55	10.45
26 05 33 23-0415	EA	#ALA4815 Flat Tee Fitting Note: Includes six (6) ALA01 couplings.	133.36	12.97
26 05 33 23-0416	EA	#ALA4817 Internal Elbow Note: Includes four (4) ALA01 couplings.	90.52	12.97
26 05 33 23-0417	EA	#ALA4817N Inverted Internal Elbow Note: Includes four (4) ALA01 couplings.	106.31	12.97
26 05 33 23-0418	EA	#ALA4818 External Elbow Note: Includes four (4) ALA01 couplings.	94.97	12.97
26 05 33 23-0419		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)*		
26 05 33 23-0420	LF	#ALAC-5 3" Wide Aluminum Raceway Cover Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	5.72	0.42
26 05 33 23-0421	EA	#ALAWC Wire Clips	5.22	2.09
26 05 33 23-0422	EA	#ALA01 Slide Couplings	13.14	2.51
26 05 33 23-0423	EA	#ALA09 Grounding Adapter	11.29	2.51

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0424	EA	#ALA11RI Bend Radius Control Insert For Flat Elbow	30.72	10.45
26 05 33 23-0425	EA	#ALA17A Internal Corner Coupling	36.72	12.97
26 05 33 23-0426	EA	#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow	34.06	10.45
26 05 33 23-0427	EA	#ALA-BL Blank Cover Plate	14.00	2.51
26 05 33 23-0428	EA	#ALA-DR Duplex Receptacle Cover Plate	14.91	2.51
26 05 33 23-0429	EA	#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening	15.51	2.51
26 05 33 23-0430	EA	#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening	15.06	2.51
26 05 33 23-0431	EA	#ALA-G GFCI/Surge/Decorator Cover Plate	15.03	2.51
26 05 33 23-0432	EA	#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	15.52	2.51
26 05 33 23-0433	EA	#ALA-N Toggle Switch Cover Plate	15.92	2.51
26 05 33 23-0434	EA	#ALA-LPB Active LPB Cover Plate	20.34	2.51
26 05 33 23-0435	EA	#ALA-MAB Active MAB Cover Plate	19.13	2.51
26 05 33 23-0436	EA	#ALA-MABRT Ortronics Cover Plate	22.01	2.51
26 05 33 23-0437	EA	#ALA-SG 1-3/4" x 2-3/4" Cover Plate	14.42	2.51
26 05 33 23-0438	EA	#ALA-2A Active 2A Cover Plate	21.27	2.51
26 05 33 23-0439	EA	#ALA-ABRT Ortronics Communications Cover Plate	19.49	2.51
26 05 33 23-0440	EA	#ALA-Z 3/4" Grommet/Mousehole Cover Plate	15.88	2.51
26 05 33 23-0441	EA	#ALA-LPB3S2 Ortronics Low Profile Cover Plate	19.66	2.51

26 05 33 23-0442 Surface Metal Raceway, Preassembled With Outlets *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0443	LF	Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit	21.49	6.68
		For Concrete Or Masonry Surface, Add	*0.67*	
26 05 33 23-0444	LF	Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit	16.60	4.76
		For Concrete Or Masonry Surface, Add	*0.48*	
26 05 33 23-0445	LF	Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit	15.70	5.03
		For Concrete Or Masonry Surface, Add	*0.50*	
26 05 33 23-0446	LF	Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit	17.20	4.76
		For Concrete Or Masonry Surface, Add	*0.48*	
26 05 33 23-0447	LF	Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit	14.09	4.85
		For Concrete Or Masonry Surface, Add	*0.48*	
26 05 33 23-0448	LF	Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	19.19	4.76
		For Concrete Or Masonry Surface, Add	*0.48*	
26 05 33 23-0449	LF	Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits	17.02	4.76
		For Concrete Or Masonry Surface, Add	*0.48*	
26 05 33 23-0450	LF	Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits	18.33	4.76
		For Concrete Or Masonry Surface, Add	*0.48*	

26 05 33 23-0451 Surface Non-Metallic Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0452 One Piece Surface Non-Metallic Raceways *(26 05 33 23-0451)*

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).

26 05 33 23-0453 #400, 7/8" x 7/16" *(26 05 33 23-0452)*

26 05 33 23-0454	LF	#400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	4.91	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0455	EA	#400WC Wire Clip	3.68	1.67
26 05 33 23-0456	EA	#406 Cover Clip	3.89	1.67
26 05 33 23-0457	EA	#410B Blank End Clip	7.47	3.35
26 05 33 23-0458	EA	#411 Flat 90 Degree Elbow	8.77	3.35
26 05 33 23-0459	EA	#415 Tee	11.04	4.18
26 05 33 23-0460	EA	#417 Internal Elbow	8.61	3.35
26 05 33 23-0461	EA	#418 External Elbow	8.61	3.35

26 05 33 23-0462 #800, 1-5/16" x 7/16" *(26 05 33 23-0452)*

26 05 33 23-0463	LF	#800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.73	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0464	EA	#800WC Wire Clip	3.75	1.67
26 05 33 23-0465	EA	#806 Cover Clip	3.83	1.67
26 05 33 23-0466	EA	#810A2 Entrance End Fitting	11.99	3.35
26 05 33 23-0467	EA	#810B Blank End Fitting	7.56	3.35
26 05 33 23-0468	EA	#811 Flat 90 Degree Elbow	8.84	3.35
26 05 33 23-0469	EA	#815 Tee	11.10	4.18
26 05 33 23-0470	EA	#817 Internal Elbow	8.66	3.35
26 05 33 23-0471	EA	#818 External Elbow	8.66	3.35
26 05 33 23-0472	EA	#889A End Reducer, #800 To #400	9.86	3.35

26 05 33 23-0473 #2300, 2-1/4" x 11/16" *(26 05 33 23-0452)*

26 05 33 23-0474	LF	#2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover	6.67	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0475	LF	#2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover	7.12	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0476	EA	#2300WC Wire Clip	3.95	1.67
26 05 33 23-0477	EA	#2306 Cover Clip	4.18	1.67

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0478	EA	#2310A Entrance End Fitting	13.10	3.35
26 05 33 23-0479	EA	#2310B Blank End Fitting	8.00	3.35
26 05 33 23-0480	EA	#2310DFO Divided Entrance End Fitting	14.85	3.35
26 05 33 23-0481	EA	#2311 Flat 90 Degree Elbow	9.03	3.35
26 05 33 23-0482	EA	#2311DFO Divided Flat 90 Degree Elbow	9.76	3.35
26 05 33 23-0483	EA	#2315 Tee	11.21	4.18
26 05 33 23-0484	EA	#2317 Internal Elbow	9.03	3.35
26 05 33 23-0485	EA	#2317DFO Divided Internal Elbow	9.78	3.35
26 05 33 23-0486	EA	#2318 External Elbow	9.05	3.35
26 05 33 23-0487	EA	#2318DFO Divided External Elbow	9.91	3.35
26 05 33 23-0488	EA	#2389 End Reducer, #2300 To #400	9.92	3.35
26 05 33 23-0489	EA	#2389A End Reducer, #2300 To #800	10.39	3.35
26 05 33 23-0490		**#400, #800 Or #2300 Fittings** *(26 05 33 23-0452)*		
26 05 33 23-0491	EA	#2336 Blank Cover, 4-1/2" Diameter	11.23	2.93
26 05 33 23-0492	EA	#2337A Extension Box, 5-1/2" Diameter	18.80	3.35
26 05 33 23-0493	EA	#2338-A Fixture Box, 5-1/2" Diameter	18.91	3.35
26 05 33 23-0494	EA	#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide	16.98	3.35
26 05 33 23-0495	EA	#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide	19.82	3.35
26 05 33 23-0496	EA	#2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide	18.58	3.35
26 05 33 23-0497	EA	#2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide	20.26	3.35
26 05 33 23-0498	EA	#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide	16.41	5.43
26 05 33 23-0499	EA	#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide	18.90	5.43
26 05 33 23-0500	EA	#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	17.14	5.43
26 05 33 23-0501	EA	#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide	20.90	5.43
26 05 33 23-0502	EA	#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide	25.26	5.43
26 05 33 23-0503	EA	#2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide	23.88	5.43
26 05 33 23-0504	EA	#2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	21.50	5.43
26 05 33 23-0505	EA	#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide	16.04	5.43
26 05 33 23-0506		**#2700, 3/4" x 3/8"** *(26 05 33 23-0452)*		
26 05 33 23-0507	LF	#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover	4.81	1.67
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0508	EA	#2700WC 3/4" Wire Clip	1.98	0.83
26 05 33 23-0509	EA	#2706 Cover Clip	3.22	0.83
26 05 33 23-0510	EA	#2710B Blank End	4.89	1.67
26 05 33 23-0511	EA	#2711 Flat 90 Degree Elbow	5.76	2.09
26 05 33 23-0512	EA	#2715 Tee	9.12	3.77
26 05 33 23-0513	EA	#2717 Internal Elbow	6.60	2.51
26 05 33 23-0514	EA	#2718 External Elbow	6.58	2.51
26 05 33 23-0515	EA	#2786 Drop Ceiling Connector	7.79	2.93
26 05 33 23-0516		**#2800, 1" x 1/2"** *(26 05 33 23-0452)*		
26 05 33 23-0517	LF	#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover	6.06	2.09
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0518	EA	#2800WC 1" Wire Clip	2.91	1.25
26 05 33 23-0519	EA	#2806 Cover Clip	4.03	1.25
26 05 33 23-0520	EA	#2810B Blank End	5.70	2.09
26 05 33 23-0521	EA	#2811 Flat 90 Degree Elbow	7.44	2.93
26 05 33 23-0522	EA	#2811FO Radiused Flat 90 Degree Elbow	7.99	2.93
26 05 33 23-0523	EA	#2815 Tee	10.79	4.60
26 05 33 23-0524	EA	#2817 Internal Elbow	8.27	3.35
26 05 33 23-0525	EA	#2818 External Elbow	8.29	3.35
26 05 33 23-0526	EA	#2815FO Radiused Tee	11.53	4.60
26 05 33 23-0527	EA	#2817FO Radiused Internal Elbow	8.94	3.35
26 05 33 23-0528	EA	#2818FO Radiused External Elbow	8.84	3.35
26 05 33 23-0529	EA	#2886 Drop Ceiling Connector	9.33	3.77
26 05 33 23-0530	EA	#2889 2800-2700 Reducer	8.42	3.35
26 05 33 23-0531		**#2900, 1-1/2" x 3/4"** *(26 05 33 23-0452)*		
26 05 33 23-0532	LF	#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover	7.22	2.51
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0533	EA	#2900WC 1-1/2" Wire Clip	3.82	1.67
26 05 33 23-0534	EA	#2906 Cover Clip	4.88	1.67
26 05 33 23-0535	EA	#2910B Blank End	6.55	2.51
26 05 33 23-0536	EA	#2911 Flat 90 Degree Elbow	8.24	3.35
26 05 33 23-0537	EA	#2911FO Radiused Flat 90 Degree Elbow	9.05	3.35
26 05 33 23-0538	EA	#2915 Tee	11.57	5.02
26 05 33 23-0539	EA	#2915FO Radiused Tee	12.40	5.02
26 05 33 23-0540	EA	#2917 Internal Elbow	9.07	3.77
26 05 33 23-0541	EA	#2917FO Radiused Internal Elbow	9.91	3.77
26 05 33 23-0542	EA	#2918 External Elbow	9.06	3.77
26 05 33 23-0543	EA	#2918FO Radiused External Elbow	10.14	3.77
26 05 33 23-0544	EA	#2986 Drop Ceiling Connector	9.20	3.77
26 05 33 23-0545	EA	#2989 2900-2800 Reducer	10.23	4.18
26 05 33 23-0546	EA	#2989A 2900-2700 Reducer	9.95	4.18

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0547		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0451)* Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).			
26 05 33 23-0548		#5000, 5" x 1" *(26 05 33 23-0547)*			
26 05 33 23-0549	LF	#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base		11.11	3.77
		For Concrete Or Masonry Surface, Add		*0.38*	
26 05 33 23-0550	LF	#5000C Cover, Black, Gray Or White		10.56	3.77
26 05 33 23-0551	LF	#5000COA Cover, Oak Veneer		19.85	3.77
26 05 33 23-0552	LF	#5000CW Cover, Maple Wood Veneer		16.18	3.77
26 05 33 23-0553	LF	#5000T Quarter Round Trim, Black, Gray Or White		1.49	0.42
26 05 33 23-0554	LF	#5000TOA Quarter Round Trim, Oak Veneer		6.15	0.42
26 05 33 23-0555	LF	#5000TW Quarter Round Trim, Maple Wood Veneer		3.81	0.42
26 05 33 23-0556	EA	#5001 Base Coupling		10.25	4.18
26 05 33 23-0557	EA	#5004 Blank/Coax Adapter		5.75	2.09
26 05 33 23-0558	EA	#5005 Low Voltage Blank Plate		7.67	2.51
26 05 33 23-0559	EA	#5006 Cover Clip		11.03	4.18
26 05 33 23-0560	EA	#5006A Internal Wire Guard		10.32	4.18
26 05 33 23-0561	EA	#5007C Device Bracket		11.78	4.18
26 05 33 23-0562	EA	#5007C-1 Device Plate		21.34	8.37
26 05 33 23-0563	EA	#5007C-2 Deep Device Plate		22.09	8.37
26 05 33 23-0564	EA	#5010 End Cap, Right Or Left		18.61	7.95
26 05 33 23-0565	EA	#5010A Entrance End Feed		36.04	12.97
26 05 33 23-0566	EA	#5017B Internal Base Elbow		25.05	10.45
26 05 33 23-0567	EA	#5017C Internal Cover Elbow		22.58	8.37
26 05 33 23-0568	EA	#5017WG Internal Elbow Wire Guard		15.48	6.27
26 05 33 23-0569	EA	#5018B External Base Elbow		25.00	10.45
26 05 33 23-0570	EA	#5018C External Cover Elbow		22.78	8.37
26 05 33 23-0571	EA	#5018WG External Elbow Wire Guard		10.12	4.18
26 05 33 23-0572		#5400, 5-1/4" x 1-11/16" *(26 05 33 23-0547)*			
26 05 33 23-0573	LF	#5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base		12.18	3.77
		For Concrete Or Masonry Surface, Add		*0.38*	
26 05 33 23-0574	LF	#5400C Full Width Cover		4.24	0.42
26 05 33 23-0575	LF	#5400TC Twin Snap Cover		2.72	0.42
26 05 33 23-0576	EA	#5400TWC Twin Snap Cover Wire Clips		4.68	2.09
26 05 33 23-0577	EA	#5406A Cover Clip		7.91	2.51
26 05 33 23-0578	EA	#5406T Twin Cover Clip		6.66	2.51
26 05 33 23-0579	EA	#5406TB Base Seam Clip		5.95	2.51
26 05 33 23-0580	EA	#5408 L Or R (Left Or Right) Transition Fitting		45.11	12.97
26 05 33 23-0581	EA	#5410 End Cap		22.06	7.95
26 05 33 23-0582	EA	#5410DFO Radiused Divided Entrance Cap Fitting		43.29	12.97
26 05 33 23-0583	EA	#5411FO Radiused Flat 90 Degree Elbow		39.52	10.45
26 05 33 23-0584	EA	#5415 Tee Fitting		45.56	12.97
26 05 33 23-0585	EA	#5415FO Radiused Tee Fitting		47.72	12.97
26 05 33 23-0586	EA	#5417FO Radiused Internal Elbow		37.64	12.97
26 05 33 23-0587	EA	#5418 External Elbow		38.18	12.97
26 05 33 23-0588	EA	#5418FO Radiused External Elbow		38.68	12.97
26 05 33 23-0589	EA	#5450 5-5/32" x 6" Device Bracket		18.27	4.18
26 05 33 23-0590	EA	#5450A3 7-19/32" x 7-1/2" Device Bracket		24.16	4.18
26 05 33 23-0591	EA	#5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket		13.92	4.18
26 05 33 23-0592	EA	#5474 Transition Fitting		39.69	12.97
26 05 33 23-0593		#5500, 6-11/16" x 1-11/16" *(26 05 33 23-0547)*			
26 05 33 23-0594	LF	#5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base		15.27	3.77
		For Concrete Or Masonry Surface, Add		*0.38*	
26 05 33 23-0595	LF	#5500C Cover		5.58	0.42
26 05 33 23-0596	EA	#5500WC Wire Clips		5.46	2.09
26 05 33 23-0597	EA	#5506 Cover Clip		8.91	2.51
26 05 33 23-0598	EA	#5506B Base Seam Clip Fitting		6.28	2.51
26 05 33 23-0599	EA	#5507AD Modular Furniture Adapter		8.30	2.51
26 05 33 23-0600	EA	#5507B Blank Faceplate		8.33	2.51
26 05 33 23-0601	EA	#5507D Duplex Receptacle Faceplate		8.37	2.51
26 05 33 23-0602	EA	#5507FRJ Dual RJ Connector Faceplate		8.37	2.51
26 05 33 23-0603	EA	#5507R Rectangular Receptacle Faceplate		8.29	2.51
26 05 33 23-0604	EA	#5507RJ Dual RJ Connector Faceplate		8.31	2.51
26 05 33 23-0605	EA	#5507S Rectangular Spacer Fitting		8.24	2.51
26 05 33 23-0606	EA	#5507SW Switch Faceplate		8.26	2.51
26 05 33 23-0607	EA	#5507T1 Twistlock Faceplate		8.33	2.51
26 05 33 23-0608	EA	#5507T2 Single Receptacle Faceplate		8.15	2.51
26 05 33 23-0609	EA	#5550 6-5/8" x 6" Device Bracket		21.89	4.18
26 05 33 23-0610	EA	#5550A4 9-5/8" x 7-1/2" Device Bracket		29.49	4.18
26 05 33 23-0611	EA	#5510 End Cap		23.97	7.95
26 05 33 23-0612	EA	#5510D Entrance End Fitting		49.39	12.97
26 05 33 23-0613	EA	#5511FO Radiused Flat 90 Degree Elbow		45.14	10.45
26 05 33 23-0614	EA	#5514A Backfeed Connector		36.16	10.45
26 05 33 23-0615	EA	#5515 Tee Fitting		51.95	12.97

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0616	EA	#5517FO Radiused Internal Elbow	41.54	12.97
26 05 33 23-0617	EA	#5518 External Elbow	42.58	12.97
26 05 33 23-0618	EA	#5518FO Radiused External Elbow	44.77	12.97
26 05 33 23-0619	EA	#5574 Transition Fitting	40.49	12.97
26 05 33 23-0620	EA	#5574A Transition Fitting	54.70	12.97

26 05 36 Cable Trays For Electrical Systems *(26 05)*

26 05 36 00-0001 Cable Trays *(26 05 36)*

Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*

26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*

26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.72	8.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.54*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.46	9.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.66*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.67	10.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.82*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.21	10.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.02*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.49	11.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.22*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.78	12.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.71*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.62	14.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.04*	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.71	8.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.45*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.35	9.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.57*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.07	9.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.68*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.12	10.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.84*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	28.86	10.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.98*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.73	12.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.33*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.90	13.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.54*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.05	8.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.40*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.74	8.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.44*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.62	9.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.59*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.56	9.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.74*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.24	10.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.88*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.65	10.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.05*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.96	11.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.21*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.36	8.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.36*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.78	8.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.39*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.97	8.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.47*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.22	9.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.55*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.87	9.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.18	9.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.79*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.55	10.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.88*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.04	7.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.34*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.41	8.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.36*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.60	8.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.44*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.65	8.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.52*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.96	9.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.54*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.48	9.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.64*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.60	10.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.71*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.48	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.00*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.25	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.41*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	243.73	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.75*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.47	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.44*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.74	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.02*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.23	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.07*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.43	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.91*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.00	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.95*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.55	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.41*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.48	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.78*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.24	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.00*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.26	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.78*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.54	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.73*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.99	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.64*	

26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.86	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.53	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.13*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.39	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.77*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.93	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.14*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.49	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.74*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.01	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.90*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.21	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.62*	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	144.72	66.51
		For 60 Degree Bend, Deduct	*-22.27*	
		For 30 Degree Bend, Deduct	*-40.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.93*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.19	79.78
		For 60 Degree Bend, Deduct	*-24.93*	
		For 30 Degree Bend, Deduct	*-45.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.17*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	189.17	91.50
		For 60 Degree Bend, Deduct	*-27.35*	
		For 30 Degree Bend, Deduct	*-50.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.29*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.44	115.65
		For 60 Degree Bend, Deduct	*-32.05*	
		For 30 Degree Bend, Deduct	*-59.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.51*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.87	141.64
		For 60 Degree Bend, Deduct	*-40.04*	
		For 30 Degree Bend, Deduct	*-74.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.78*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.67	162.59
		For 60 Degree Bend, Deduct	*-48.11*	
		For 30 Degree Bend, Deduct	*-89.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.92*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.54	190.87
		For 60 Degree Bend, Deduct	*-53.73*	
		For 30 Degree Bend, Deduct	*-100.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.55*	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	157.20	68.62
		For 60 Degree Bend, Deduct	*-25.58*	
		For 30 Degree Bend, Deduct	*-46.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.00*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	183.54	82.72
		For 60 Degree Bend, Deduct	*-28.86*	
		For 30 Degree Bend, Deduct	*-52.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.46*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.37	95.52
		For 60 Degree Bend, Deduct	*-32.81*	
		For 30 Degree Bend, Deduct	*-59.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.08*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.90	121.97
		For 60 Degree Bend, Deduct	*-37.68*	
		For 30 Degree Bend, Deduct	*-69.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.42*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0082		EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.12	151.52
			For 60 Degree Bend, Deduct	*-46.25*	
			For 30 Degree Bend, Deduct	*-85.50*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.99*	
26 05 36 00-0083		EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.98	175.77
			For 60 Degree Bend, Deduct	*-54.40*	
			For 30 Degree Bend, Deduct	*-100.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.25*	
26 05 36 00-0084		EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.86	209.25
			For 60 Degree Bend, Deduct	*-63.64*	
			For 30 Degree Bend, Deduct	*-117.68*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.15*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086		EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.54	70.81
			For 60 Degree Bend, Deduct	*-32.12*	
			For 30 Degree Bend, Deduct	*-57.46*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.06*	
26 05 36 00-0087		EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.35	86.00
			For 60 Degree Bend, Deduct	*-35.79*	
			For 30 Degree Bend, Deduct	*-64.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.67*	
26 05 36 00-0088		EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.77	99.82
			For 60 Degree Bend, Deduct	*-38.55*	
			For 30 Degree Bend, Deduct	*-69.80*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.96*	
26 05 36 00-0089		EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.34	129.19
			For 60 Degree Bend, Deduct	*-45.28*	
			For 30 Degree Bend, Deduct	*-82.65*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.96*	
26 05 36 00-0090		EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.12	162.59
			For 60 Degree Bend, Deduct	*-52.22*	
			For 30 Degree Bend, Deduct	*-96.06*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.16*	
26 05 36 00-0091		EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.37	190.87
			For 60 Degree Bend, Deduct	*-64.23*	
			For 30 Degree Bend, Deduct	*-117.66*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.73*	
26 05 36 00-0092		EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.40	231.03
			For 60 Degree Bend, Deduct	*-74.58*	
			For 30 Degree Bend, Deduct	*-137.14*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.19*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094		EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.24	91.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.00*	
26 05 36 00-0095		EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.18	104.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.21*	
26 05 36 00-0096		EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.37	115.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.31*	
26 05 36 00-0097		EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.36	141.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.73*	
26 05 36 00-0098		EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.79	162.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.73*	
26 05 36 00-0099		EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.70	182.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.92*	
26 05 36 00-0100		EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.34	208.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.33*	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.05	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.55*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.82	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.93*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.24	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.26*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.71	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.15*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.44	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.60*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.98	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.07*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.33	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.88*	
26 05 36 00-0109		**36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.78	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.78	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.25*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.87	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.52*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.14	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.16*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.49	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.40	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.64*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	572.03	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.71*	
26 05 36 00-0117		**12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.96	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.25*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.63	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.16*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.11	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.39*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.76	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.48*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.34	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.42*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.51	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.21*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	665.02	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.12*	
26 05 36 00-0125		**24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.03	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.40*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.02	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.57*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.45	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.95*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.32	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.12*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.65	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.09*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.30	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.14*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.65	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.20*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.40	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.61*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.51	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.20*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.84	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.67*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.74	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.90*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	793.33	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.22*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	858.90	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.72*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	982.29	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.98*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.49	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.20*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.45	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.86*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.91	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.55*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.73	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.07*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.64	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.04*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.43	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.74*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.17	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.40*	

26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.55	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.11*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	573.51	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.10*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.50	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.14*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.77	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.44*	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	653.77	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.79	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.86*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	765.84	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.71*	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.77	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.37*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.54	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.73*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.18	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.18*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	899.00	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.65*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	926.63	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.35*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	997.10	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.84*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.27	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.72*	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.62	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.96*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.87	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.43*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.34	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.52*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.39	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.90*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	636.75	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.29*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.82	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	762.54	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.08*	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.14	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.00*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.04	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.87*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.19	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.84*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.55	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.77*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.65	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.10*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	875.93	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.09*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	973.30	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	746.57	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.78*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.64	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.58*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	837.01	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.59*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	910.29	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.86*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,050.39	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.79*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,148.35	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.30*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,263.70	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.67*	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.60	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.76*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.30	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.47*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	583.19	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.01*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.68	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.92*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.82	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.00*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.43	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.02*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.47	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.01*	
26 05 36 00-0197		24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.22	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.31*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.02	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.46*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.05	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.73*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.77	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.29*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	924.81	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.31*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	995.61	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.06*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,112.05	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.96*	
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	876.65	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	925.51	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.17*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	978.66	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.75*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.39	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.47*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,223.83	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.14*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,336.25	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.09*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,466.06	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.90*	
26 05 36 00-0213		6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0214		12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	190.26	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.38*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	214.53	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.74*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.42	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.02*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	292.99	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.50*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.06	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.96*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.19	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.67*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.02	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.27*	
26 05 36 00-0222		24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.16	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.66*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.31	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.09*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.74	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.41*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.42	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.52*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.35	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.19*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.24	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.00*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.43	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.59*	
26 05 36 00-0230		36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.63	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.85*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.51	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.63*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.67	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.20*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.94	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.34*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.73	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.77*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.29	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.53*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.32	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.03*	

26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	139.88	66.51
		For 60 Degree Bend, Deduct	*-20.67*	
		For 30 Degree Bend, Deduct	*-38.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.45*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	163.15	79.78
		For 60 Degree Bend, Deduct	*-23.27*	
		For 30 Degree Bend, Deduct	*-43.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.67*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	183.93	91.50
		For 60 Degree Bend, Deduct	*-25.62*	
		For 30 Degree Bend, Deduct	*-47.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.77*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.91	115.65
		For 60 Degree Bend, Deduct	*-30.23*	
		For 30 Degree Bend, Deduct	*-56.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.96*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.75	141.64
		For 60 Degree Bend, Deduct	*-37.69*	
		For 30 Degree Bend, Deduct	*-70.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.07*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.57	162.59
		For 60 Degree Bend, Deduct	*-45.10*	
		For 30 Degree Bend, Deduct	*-84.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.01*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.06	190.87
		For 60 Degree Bend, Deduct	*-50.60*	
		For 30 Degree Bend, Deduct	*-94.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.60*	

26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	151.07	68.62
		For 60 Degree Bend, Deduct	*-23.56*	
		For 30 Degree Bend, Deduct	*-43.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.39*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	177.02	82.72
		For 60 Degree Bend, Deduct	*-26.70*	
		For 30 Degree Bend, Deduct	*-49.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.81*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.06	95.52
		For 60 Degree Bend, Deduct	*-30.40*	
		For 30 Degree Bend, Deduct	*-55.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.35*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.39	121.97
		For 60 Degree Bend, Deduct	*-35.21*	
		For 30 Degree Bend, Deduct	*-65.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.67*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.02	151.52
		For 60 Degree Bend, Deduct	*-43.25*	
		For 30 Degree Bend, Deduct	*-80.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.11	175.77
		For 60 Degree Bend, Deduct	*-50.81*	
		For 30 Degree Bend, Deduct	*-94.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.17*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.41	209.25
		For 60 Degree Bend, Deduct	*-59.53*	
		For 30 Degree Bend, Deduct	*-110.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.91*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	170.75	70.81
		For 60 Degree Bend, Deduct	*-29.21*	
		For 30 Degree Bend, Deduct	*-52.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.18*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	199.06	86.00
		For 60 Degree Bend, Deduct	*-32.73*	
		For 30 Degree Bend, Deduct	*-59.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.74*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.29	99.82
		For 60 Degree Bend, Deduct	*-35.42*	
		For 30 Degree Bend, Deduct	*-64.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.01*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.06	129.19
		For 60 Degree Bend, Deduct	*-41.89*	
		For 30 Degree Bend, Deduct	*-77.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.94*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.25	162.59
		For 60 Degree Bend, Deduct	*-48.63*	
		For 30 Degree Bend, Deduct	*-90.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.07*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.33	190.87
		For 60 Degree Bend, Deduct	*-59.60*	
		For 30 Degree Bend, Deduct	*-109.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.33*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.78	231.03
		For 60 Degree Bend, Deduct	*-69.43*	
		For 30 Degree Bend, Deduct	*-128.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	201.94	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.57*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.79	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.77*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.82	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.86*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.61	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.26*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.85	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.23*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.36	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.39*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.81	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.77*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.97	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.94*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	254.59	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.31*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.76	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.61*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.89	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.47*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.28	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.88*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.42	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.32*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.83	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.03*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.57	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.75*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.28	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.40*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.27	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.66*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.85	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.23*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.10	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.70*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.73	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.57*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.66	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.57*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.34	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.59*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.52	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.45*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.60	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.16	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.26	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.41*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.46	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.01*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	651.38	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.75*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.66	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.36*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.14	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.48*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.18	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.82*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.16	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.90*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.41	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.87	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.70*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.17	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
26 05 36 00-0302		36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.88	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.05*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	578.40	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.59*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.65	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.95*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.26	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.05*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.48	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.14*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	836.17	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.45*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.88	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.54*	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.22	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.07*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.08	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.72*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.45	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.40*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.07	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.90*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.78	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.85*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.78	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.48*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.02	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.09*	
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.19	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.08*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.85	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.04*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.55	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.05*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.23	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.29*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	631.63	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.86*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.06	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.59*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	742.12	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.34*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0326		36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	774.72	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.57*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	794.99	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.88*	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	817.14	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.28*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.47	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.69*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	886.60	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.35*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	955.59	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.68*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.27	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.52*	
26 05 36 00-0334		12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.41	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.14*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.27	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.57*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.96	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.58*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.11	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.87*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.29	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.14*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	687.09	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.60*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.22	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.55*	
26 05 36 00-0342		24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.23	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.41*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.64	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.23*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.29	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.15*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.56	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.97*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	793.48	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.18*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.47	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.05*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.58	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.71*	
26 05 36 00-0350		36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.33	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.42	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.26*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.80	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.17*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	883.61	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.19*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,020.74	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.83*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,116.24	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.08*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.11	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.21*	
26 05 36 00-0358		12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.71	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.57*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.83	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.22*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.58	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.65*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.77	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.43*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	687.20	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.33*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	761.51	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.03*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.25	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.79*	
26 05 36 00-0366		24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.15	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.00*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.23	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.08*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.55	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.28*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	800.69	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.68*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	897.01	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.53*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	965.94	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.10*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,077.66	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.52*	
26 05 36 00-0374		36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.41	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.57*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	891.83	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.80*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.55	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.24*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,027.70	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.60*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,180.84	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.84*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,289.68	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.43*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,415.90	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.89*	

26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	184.03	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.76*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.81	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.07*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.11	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.28*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.50	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.55*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.39	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.89*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.16	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.27*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.62	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.63*	

26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.31	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.38*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.07	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.76*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	272.01	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.04*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.59	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.04*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.44	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.60*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.95	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.27*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.87	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.53*	

26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.40	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.43*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.49	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.13*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.96	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.63*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.95	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.54*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.96	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.58	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.16*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.43	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.45*	
26 05 36 00-0407		**12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	135.03	66.51
		For 60 Degree Bend, Deduct	*-19.07*	
		For 30 Degree Bend, Deduct	*-35.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.96*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	158.11	79.78
		For 60 Degree Bend, Deduct	*-21.61*	
		For 30 Degree Bend, Deduct	*-40.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.17*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	178.69	91.50
		For 60 Degree Bend, Deduct	*-23.89*	
		For 30 Degree Bend, Deduct	*-44.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.24*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.37	115.65
		For 60 Degree Bend, Deduct	*-28.40*	
		For 30 Degree Bend, Deduct	*-53.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.40*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.64	141.64
		For 60 Degree Bend, Deduct	*-35.35*	
		For 30 Degree Bend, Deduct	*-66.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.36*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.48	162.59
		For 60 Degree Bend, Deduct	*-42.10*	
		For 30 Degree Bend, Deduct	*-79.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.10*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.57	190.87
		For 60 Degree Bend, Deduct	*-47.47*	
		For 30 Degree Bend, Deduct	*-89.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.65*	
26 05 36 00-0415		**24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	144.95	68.62
		For 60 Degree Bend, Deduct	*-21.54*	
		For 30 Degree Bend, Deduct	*-39.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.78*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	170.49	82.72
		For 60 Degree Bend, Deduct	*-24.55*	
		For 30 Degree Bend, Deduct	*-45.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.16*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.75	95.52
		For 60 Degree Bend, Deduct	*-27.99*	
		For 30 Degree Bend, Deduct	*-51.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.62*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.88	121.97
		For 60 Degree Bend, Deduct	*-32.73*	
		For 30 Degree Bend, Deduct	*-61.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.92*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.93	151.52
		For 60 Degree Bend, Deduct	*-40.25*	
		For 30 Degree Bend, Deduct	*-75.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.17*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.24	175.77
		For 60 Degree Bend, Deduct	*-47.23*	
		For 30 Degree Bend, Deduct	*-88.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.08*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.95	209.25
		For 60 Degree Bend, Deduct	*-55.41*	
		For 30 Degree Bend, Deduct	*-103.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.66*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0423		36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*			
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		161.95	70.81
		For 60 Degree Bend, Deduct		*-26.31*	
		For 30 Degree Bend, Deduct		*-47.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-10.30*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		189.77	86.00
		For 60 Degree Bend, Deduct		*-29.66*	
		For 30 Degree Bend, Deduct		*-54.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-11.81*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		213.80	99.82
		For 60 Degree Bend, Deduct		*-32.29*	
		For 30 Degree Bend, Deduct		*-59.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-13.06*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		266.78	129.19
		For 60 Degree Bend, Deduct		*-38.50*	
		For 30 Degree Bend, Deduct		*-71.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-15.91*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		325.38	162.59
		For 60 Degree Bend, Deduct		*-45.04*	
		For 30 Degree Bend, Deduct		*-84.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-18.99*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		388.30	190.87
		For 60 Degree Bend, Deduct		*-54.97*	
		For 30 Degree Bend, Deduct		*-102.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-22.92*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		463.17	231.03
		For 60 Degree Bend, Deduct		*-64.28*	
		For 30 Degree Bend, Deduct		*-119.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-27.06*	
26 05 36 00-0431		12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*			
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		195.49	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-11.92*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		218.19	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-13.11*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		238.00	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-14.17*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		283.50	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-16.55*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		320.43	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-18.49*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		358.36	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-20.59*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		403.50	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-22.94*	
26 05 36 00-0439		24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*			
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		219.85	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-14.03*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		245.25	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-15.38*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		268.05	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-16.64*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		320.66	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-19.44*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		364.53	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-21.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.07	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.18*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.08	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.75*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.27	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.52*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.53	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.13*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.37	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.37*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.92	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.84*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.02	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.30*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.72	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.97*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.61	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.86*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.10	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.29	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.02*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.58	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.13*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.96	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.90*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.10	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.40*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	551.34	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.60*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.10	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.02*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.90	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.28*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.40	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.31*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.65	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.57*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.85	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.47*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.92	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.12*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.01	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.82*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.21	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.65*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.85	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.95*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	546.18	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.36*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	578.25	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.51*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.30	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.36*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.77	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.97*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	790.71	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.90*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.06	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.66*	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.69	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.82*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	395.35	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.45*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.52	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.11*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.75	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.57*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.07	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.48*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.48	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.95*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.73	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.46*	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.47	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.00*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.54	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.90*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.65	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.86*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.14	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.98*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.36	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.44*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.60	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.05*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.68	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.59*	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	698.62	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.91	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.17*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	739.07	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.47*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	780.41	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.79*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	806.55	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.34*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	872.57	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.38*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	942.27	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.12*	
26 05 36 00-0503		12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.01	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.50*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.07	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.85*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.18	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.70*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.55	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.82*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.36	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.85*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.61	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.85*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.59	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.49*	
26 05 36 00-0511		24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.41	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.23*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.83	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.94*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.49	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.77*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	667.59	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.37*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.13	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.34*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.56	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.96*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	902.14	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.97*	
26 05 36 00-0519		36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.86	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	719.97	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.61*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	764.37	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.33*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.24	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.85*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	961.44	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.90*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,052.00	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.66*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,159.93	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.29*	
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.92	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.19*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.89	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.73*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.35	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.92*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.96	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.45*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	653.95	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.01*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.67	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.04*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	784.83	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.01	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.39*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	668.65	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.33*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	702.54	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.38*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.53	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.47*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	841.41	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.97*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	906.62	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.16*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,008.88	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.64*	
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.92	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	824.48	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.06*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.33	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.22*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	950.32	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.86*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,094.86	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.24*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,196.53	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.11*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,315.59	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.86*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0551			12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552			12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0553		EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.85	91.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.54*	
26 05 36 00-0554		EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.46	104.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.84*	
26 05 36 00-0555		EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	226.55	115.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.03*	
26 05 36 00-0556		EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.18	141.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.22*	
26 05 36 00-0557		EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	320.65	162.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.51*	
26 05 36 00-0558		EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.25	182.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.78*	
26 05 36 00-0559		EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.88	209.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.06*	
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561		EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.81	95.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.93*	
26 05 36 00-0562		EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.43	109.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.30*	
26 05 36 00-0563		EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.20	121.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.55*	
26 05 36 00-0564		EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.40	151.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.52*	
26 05 36 00-0565		EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.87	175.77
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.04*	
26 05 36 00-0566		EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.89	199.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.67*	
26 05 36 00-0567		EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	480.68	231.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.81*	
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0569		EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.42	99.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.93*	
26 05 36 00-0570		EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.23	115.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.60*	
26 05 36 00-0571		EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.46	129.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.08*	
26 05 36 00-0572		EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.66	162.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.92*	
26 05 36 00-0573		EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.04	190.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.10*	
26 05 36 00-0574		EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.27	219.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.33*	
26 05 36 00-0575		EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.36	258.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.54*	
26 05 36 00-0576			12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	133.34	66.51
		For 60 Degree Bend, Deduct	*-18.51*	
		For 30 Degree Bend, Deduct	*-34.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.79*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	156.35	79.78
		For 60 Degree Bend, Deduct	*-21.03*	
		For 30 Degree Bend, Deduct	*-39.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.99*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	176.86	91.50
		For 60 Degree Bend, Deduct	*-23.29*	
		For 30 Degree Bend, Deduct	*-43.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.06*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.44	115.65
		For 60 Degree Bend, Deduct	*-27.76*	
		For 30 Degree Bend, Deduct	*-52.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.21*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.15	141.64
		For 60 Degree Bend, Deduct	*-34.53*	
		For 30 Degree Bend, Deduct	*-65.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.11*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.30	162.59
		For 60 Degree Bend, Deduct	*-41.05*	
		For 30 Degree Bend, Deduct	*-77.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.78*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.25	190.87
		For 60 Degree Bend, Deduct	*-46.37*	
		For 30 Degree Bend, Deduct	*-87.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.32*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	142.80	68.62
		For 60 Degree Bend, Deduct	*-20.83*	
		For 30 Degree Bend, Deduct	*-38.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.56*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.21	82.72
		For 60 Degree Bend, Deduct	*-23.80*	
		For 30 Degree Bend, Deduct	*-44.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.93*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.19	95.52
		For 60 Degree Bend, Deduct	*-27.14*	
		For 30 Degree Bend, Deduct	*-50.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.36*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.25	121.97
		For 60 Degree Bend, Deduct	*-31.86*	
		For 30 Degree Bend, Deduct	*-59.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.66*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.75	151.52
		For 60 Degree Bend, Deduct	*-39.20*	
		For 30 Degree Bend, Deduct	*-73.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.85*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.43	175.77
		For 60 Degree Bend, Deduct	*-45.97*	
		For 30 Degree Bend, Deduct	*-86.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.70*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.59	209.25
		For 60 Degree Bend, Deduct	*-53.98*	
		For 30 Degree Bend, Deduct	*-101.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.22*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	158.87	70.81
		For 60 Degree Bend, Deduct	*-25.29*	
		For 30 Degree Bend, Deduct	*-46.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	186.52	86.00
		For 60 Degree Bend, Deduct	*-28.59*	
		For 30 Degree Bend, Deduct	*-52.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.49*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.48	99.82
		For 60 Degree Bend, Deduct	*-31.20*	
		For 30 Degree Bend, Deduct	*-57.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.73*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.18	129.19
		For 60 Degree Bend, Deduct	*-37.31*	
		For 30 Degree Bend, Deduct	*-69.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.55*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.57	162.59
		For 60 Degree Bend, Deduct	*-43.78*	
		For 30 Degree Bend, Deduct	*-82.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.61*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.39	190.87
		For 60 Degree Bend, Deduct	*-53.35*	
		For 30 Degree Bend, Deduct	*-99.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.43*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.70	231.03
		For 60 Degree Bend, Deduct	*-62.47*	
		For 30 Degree Bend, Deduct	*-116.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.52*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	192.48	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.62*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.11	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.80*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.82	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.86*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.18	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.22*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.98	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.15*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.62	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.21*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.63	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.56*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.60	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.61*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.89	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.94*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.52	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.19*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.89	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.97*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.52	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.31*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.78	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.65*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.13	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.16*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.53	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.94*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.58	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.53*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.35	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.77*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.42	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.19*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.45	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.64*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.24	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.23*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.66	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.07*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.47	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.60*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.17	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.31*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.07	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.38*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	443.36	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.04*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.02	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.39*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.28	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.39*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.47	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.66*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.52	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.25*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.53	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.22*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.38	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.44*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.69	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.25*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	576.68	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.79*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.58	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.37*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	729.73	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.80*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.34	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.40*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.07	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	561.06	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.79*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.82	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.51*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.92	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.88*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.98	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	884.65	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.22*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.42	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.69*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.99	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.31*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.06	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.96*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.09	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.40*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.21	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.30*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.83	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.68*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.59	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.14*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.11	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.89	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.84*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	506.70	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.76*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.59	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.82*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.22	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.22*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.87	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.77*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.96	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.22*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.57	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.15*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.36	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.31*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.03	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.57*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.88	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.83*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.52	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.34*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.07	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.23*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	900.26	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.91*	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.81	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.68*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.47	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.99*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.79	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.76*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.27	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.79*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.90	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.70*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	645.88	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.48*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.27	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.96*	

26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.49	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.63*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	578.42	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.30*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.59	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.08*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.60	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.57*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.96	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.43*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	794.10	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.91*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.42	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.59*	

26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	657.62	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.89*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.74	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.29*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.16	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.90*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.56	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.19*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	931.79	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.93*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,019.88	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.45*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,125.34	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.03	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.00*	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.43	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.48*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.73	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.06	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.96*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.33	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.35*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.75	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.05*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	762.62	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.13*	
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.94	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.08*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.86	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.95*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.03	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.93*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.45	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.86*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.61	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.19*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	876.95	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.20*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.48	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.20*	
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.68	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.89*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	790.81	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.70*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.22	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.71*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.63	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.99*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,051.87	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.94*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,149.96	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.46*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,265.43	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.84*	
26 05 36 00-0720		Dropout Or End Plates And Reducers *(26 05 36 00-0002)*		
26 05 36 00-0721		Straight Reducers *(26 05 36 00-0720)*		
26 05 36 00-0722	EA	9"-6" Reducer, Steel Cable Tray	158.03	67.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.17*	
26 05 36 00-0723	EA	12"-9" Reducer, Steel Cable Tray	168.32	73.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.74*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0724	EA	18"-12" Reducer, Steel Cable Tray	187.13	84.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.68*	
26 05 36 00-0725	EA	24"-18" Reducer, Steel Cable Tray	210.13	97.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.88*	
26 05 36 00-0726	EA	30"-24" Reducer, Steel Cable Tray	231.42	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.99*	
26 05 36 00-0727	EA	36"-30" Reducer, Steel Cable Tray	263.44	125.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.89*	
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18"-6" Reducer, Steel Cable Tray	189.20	84.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.88*	
26 05 36 00-0730	EA	24"-12" Reducer, Steel Cable Tray	212.33	97.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.09*	
26 05 36 00-0731	EA	30"-12" Reducer, Steel Cable Tray	235.23	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.38*	
26 05 36 00-0732	EA	30"-18" Reducer, Steel Cable Tray	237.06	109.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.57*	
26 05 36 00-0733	EA	36"-12" Reducer, Steel Cable Tray	264.42	125.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.99*	
26 05 36 00-0734	EA	36"-18" Reducer, Steel Cable Tray	271.90	128.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.46*	
26 05 36 00-0735	EA	36"-24" Reducer, Steel Cable Tray	280.74	132.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.00*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	50.84	27.45
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	58.23	31.38
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	62.79	33.76
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	74.17	39.89
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	82.49	43.92
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	91.52	48.77
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	103.16	54.90
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	38.46	6.40
		For Class 12C Instead Of Class 12B, Add	*4.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.92*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	40.62	6.77
		For Class 12C Instead Of Class 12B, Add	*4.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.03*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	42.76	7.04
		For Class 12C Instead Of Class 12B, Add	*5.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.14*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	47.39	7.69
		For Class 12C Instead Of Class 12B, Add	*5.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.37*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	53.98	8.24
		For Class 12C Instead Of Class 12B, Add	*6.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.70*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	58.98	8.79
		For Class 12C Instead Of Class 12B, Add	*7.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.95*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	63.49	9.33
		For Class 12C Instead Of Class 12B, Add	*7.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*3.17*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	35.93	6.40
		For Class 12C Instead Of Class 12B, Add	*4.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.80*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	37.95	6.77
		For Class 12C Instead Of Class 12B, Add	*4.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	39.95	7.04
		For Class 12C Instead Of Class 12B, Add	*4.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.00*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	44.26	7.69
		For Class 12C Instead Of Class 12B, Add	*5.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.21*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	50.32	8.24
		For Class 12C Instead Of Class 12B, Add	*6.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.52*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	54.95	8.79
		For Class 12C Instead Of Class 12B, Add	*6.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.75*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	59.14	9.33
		For Class 12C Instead Of Class 12B, Add	*7.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.96*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	32.41	6.13
		For Class 12C Instead Of Class 12B, Add	*3.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.62*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	32.98	6.40
		For Class 12C Instead Of Class 12B, Add	*3.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.65*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	35.22	6.77
		For Class 12C Instead Of Class 12B, Add	*4.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.76*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	37.64	7.22
		For Class 12C Instead Of Class 12B, Add	*4.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.88*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	42.01	7.51
		For Class 12C Instead Of Class 12B, Add	*5.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.10*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	46.35	8.06
		For Class 12C Instead Of Class 12B, Add	*5.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.32*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	49.37	8.79
		For Class 12C Instead Of Class 12B, Add	*5.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.47*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	31.68	5.95
		For Class 12C Instead Of Class 12B, Add	*3.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.58*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	32.16	6.13
		For Class 12C Instead Of Class 12B, Add	*3.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.61*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	33.50	6.49
		For Class 12C Instead Of Class 12B, Add	*3.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.68*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	35.48	6.86
		For Class 12C Instead Of Class 12B, Add	*4.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.77*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	38.36	6.95
		For Class 12C Instead Of Class 12B, Add	*4.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.92*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	41.32	7.69
		For Class 12C Instead Of Class 12B, Add	*4.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.07*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	43.87	8.33
		For Class 12C Instead Of Class 12B, Add	*5.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.19*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	31.29	5.76
		For Class 12C Instead Of Class 12B, Add	*3.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.56*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	31.40	6.04
		For Class 12C Instead Of Class 12B, Add	*3.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.57*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	33.05	6.22
		For Class 12C Instead Of Class 12B, Add	*3.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.65*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	34.81	6.58
		For Class 12C Instead Of Class 12B, Add	*4.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.74*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	36.84	6.68
		For Class 12C Instead Of Class 12B, Add	*4.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.84*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	38.70	7.31
		For Class 12C Instead Of Class 12B, Add	*4.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.94*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	41.11	7.96
		For Class 12C Instead Of Class 12B, Add	*4.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*2.06*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	268.57	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.43*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	292.81	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.64*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	333.10	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.66*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	394.19	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.71*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	467.22	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.36*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	512.90	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.65*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	600.43	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.02*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	364.05	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.20*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	396.62	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.83*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	427.34	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.37*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	495.52	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.78*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	559.36	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.97*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	623.84	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.19*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	713.07	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.65*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	391.72	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	423.72	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.19*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.09	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.65*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	560.93	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.05*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	646.11	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.31*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	726.17	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.31*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	842.86	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.14*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	186.96	66.51
		For 60 Degree Bend, Deduct	*-36.21*	
		For 30 Degree Bend, Deduct	*-64.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.35*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	211.98	79.78
		For 60 Degree Bend, Deduct	*-39.38*	
		For 30 Degree Bend, Deduct	*-70.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.60*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	234.49	91.50
		For 60 Degree Bend, Deduct	*-42.31*	
		For 30 Degree Bend, Deduct	*-75.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.72*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	289.34	115.65
		For 60 Degree Bend, Deduct	*-51.16*	
		For 30 Degree Bend, Deduct	*-91.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.47*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	356.12	141.64
		For 60 Degree Bend, Deduct	*-63.23*	
		For 30 Degree Bend, Deduct	*-113.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.81*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	408.65	162.59
		For 60 Degree Bend, Deduct	*-72.52*	
		For 30 Degree Bend, Deduct	*-129.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.43*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	461.62	190.87
		For 60 Degree Bend, Deduct	*-79.16*	
		For 30 Degree Bend, Deduct	*-142.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.08*	

26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	216.80	68.62
		For 60 Degree Bend, Deduct	*-45.25*	
		For 30 Degree Bend, Deduct	*-79.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.84*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	252.09	82.72
		For 60 Degree Bend, Deduct	*-51.48*	
		For 30 Degree Bend, Deduct	*-90.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.60*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	276.31	95.52
		For 60 Degree Bend, Deduct	*-54.57*	
		For 30 Degree Bend, Deduct	*-96.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.82*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	329.24	121.97
		For 60 Degree Bend, Deduct	*-61.89*	
		For 30 Degree Bend, Deduct	*-109.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.46*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	398.89	151.52
		For 60 Degree Bend, Deduct	*-73.57*	
		For 30 Degree Bend, Deduct	*-131.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.94*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825		EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	468.58	175.77
			For 60 Degree Bend, Deduct	*-87.27*	
			For 30 Degree Bend, Deduct	*-155.21*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.43*	
26 05 36 00-0826		EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	533.18	209.25
			For 60 Degree Bend, Deduct	*-95.75*	
			For 30 Degree Bend, Deduct	*-171.21*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.88*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.66*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828		EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	255.60	70.81
			For 60 Degree Bend, Deduct	*-57.21*	
			For 30 Degree Bend, Deduct	*-99.29*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.66*	
			For 6" Overall Height Instead Of 4-5/8", Add	*12.78*	
26 05 36 00-0829		EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	283.88	86.00
			For 60 Degree Bend, Deduct	*-60.72*	
			For 30 Degree Bend, Deduct	*-105.97*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.19*	
26 05 36 00-0830		EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	309.85	99.82
			For 60 Degree Bend, Deduct	*-63.99*	
			For 30 Degree Bend, Deduct	*-112.19*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.67*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.49*	
26 05 36 00-0831		EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	373.52	129.19
			For 60 Degree Bend, Deduct	*-73.72*	
			For 30 Degree Bend, Deduct	*-130.05*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.68*	
26 05 36 00-0832		EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	464.29	162.59
			For 60 Degree Bend, Deduct	*-90.88*	
			For 30 Degree Bend, Deduct	*-160.50*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.88*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.21*	
26 05 36 00-0833		EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	523.11	190.87
			For 60 Degree Bend, Deduct	*-99.46*	
			For 30 Degree Bend, Deduct	*-176.37*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.16*	
26 05 36 00-0834		EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	610.57	231.03
			For 60 Degree Bend, Deduct	*-112.92*	
			For 30 Degree Bend, Deduct	*-201.03*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.53*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	296.30	91.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.82*	
26 05 36 00-0837		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	325.86	104.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.88*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.29*	
26 05 36 00-0838		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	346.80	115.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.05*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.34*	
26 05 36 00-0839		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	395.55	141.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.75*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.78*	
26 05 36 00-0840		EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	438.35	162.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.92*	
26 05 36 00-0841		EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	480.17	182.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.01*	
26 05 36 00-0842		EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	528.57	208.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.43*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	314.64	95.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.51*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.73*	
26 05 36 00-0845		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	345.10	109.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.36*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.26*	
26 05 36 00-0846		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	369.35	121.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	427.65	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.38*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	478.52	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.93*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	528.57	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.43*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	594.26	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.71*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	406.78	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.34*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	438.31	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.92*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	476.85	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.84*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	542.94	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.15*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	600.51	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.03*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	669.27	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.46*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	746.33	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.32*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	458.75	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.94*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	494.88	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.74*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	511.94	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.60*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	580.80	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.04*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	642.86	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.14*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	705.41	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.27*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	816.74	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.84*	

26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	600.93	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.05*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	647.80	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.39*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	673.25	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.66*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	740.75	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.04*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	821.86	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.09*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	887.44	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.37*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,175.22	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.76*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	748.41	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.42*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	795.69	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.78*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	854.96	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.75*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	930.63	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.53*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,044.32	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.22*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,224.16	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.21*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,399.13	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.96*	
26 05 36 00-0883		**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	643.55	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.18*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	665.10	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.26*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	679.00	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.95*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	712.41	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.62*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	759.38	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.97*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.05	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.05*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	854.96	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.75*	
26 05 36 00-0891		**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	923.73	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.19*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	944.00	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.20*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	965.30	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.27*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,014.89	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.74*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,048.50	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.43*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,105.12	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.26*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,218.86	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.94*	
26 05 36 00-0899		**36" Radius Vertical Tee** *(26 05 36 00-0786)*		
26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,518.24	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.91*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,548.16	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.41*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,579.96	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,631.97	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.60*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,668.75	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.44*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,766.70	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.34*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,847.03	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.35*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	597.11	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.86*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	640.69	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.03*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	664.61	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.23*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	743.48	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.17*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	811.30	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.57*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	902.93	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.15*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,039.26	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.96*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	849.52	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.48*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	887.59	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.38*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	927.91	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.40*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	982.61	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.13*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,101.80	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.09*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	882.35	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.12*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	972.01	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.60*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	979.57	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.98*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.68	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.23*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	794.61	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.73*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,177.94	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.90*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,426.32	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.32*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,573.75	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.69*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,752.15	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.61*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*			
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		597.11	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-41.41*	
		For 6" Overall Height Instead Of 4-5/8", Add		*29.86*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		640.82	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-44.82*	
		For 6" Overall Height Instead Of 4-5/8", Add		*32.04*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		664.53	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-46.14*	
		For 6" Overall Height Instead Of 4-5/8", Add		*33.23*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		743.64	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-52.82*	
		For 6" Overall Height Instead Of 4-5/8", Add		*37.18*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		811.30	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-56.74*	
		For 6" Overall Height Instead Of 4-5/8", Add		*40.57*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		903.17	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-64.19*	
		For 6" Overall Height Instead Of 4-5/8", Add		*45.16*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		1,038.57	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-75.72*	
		For 6" Overall Height Instead Of 4-5/8", Add		*51.93*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*			
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		849.52	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-64.64*	
		For 6" Overall Height Instead Of 4-5/8", Add		*42.48*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		887.59	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-67.22*	
		For 6" Overall Height Instead Of 4-5/8", Add		*44.38*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		927.91	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-69.92*	
		For 6" Overall Height Instead Of 4-5/8", Add		*46.40*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		982.61	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-73.88*	
		For 6" Overall Height Instead Of 4-5/8", Add		*49.13*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,101.80	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-82.01*	
		For 6" Overall Height Instead Of 4-5/8", Add		*55.09*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,186.45	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-88.15*	
		For 6" Overall Height Instead Of 4-5/8", Add		*59.32*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,314.83	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-98.24*	
		For 6" Overall Height Instead Of 4-5/8", Add		*65.74*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*			
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,214.51	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-98.58*	
		For 6" Overall Height Instead Of 4-5/8", Add		*60.73*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,276.28	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-103.24*	
		For 6" Overall Height Instead Of 4-5/8", Add		*63.81*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,358.12	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-109.70*	
		For 6" Overall Height Instead Of 4-5/8", Add		*67.91*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,454.48	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-117.28*	
		For 6" Overall Height Instead Of 4-5/8", Add		*72.72*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,768.94	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-143.65*	
		For 6" Overall Height Instead Of 4-5/8", Add		*88.45*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,953.07	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-158.77*	
		For 6" Overall Height Instead Of 4-5/8", Add		*97.65*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,174.30	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-176.73*	
		For 6" Overall Height Instead Of 4-5/8", Add		*108.72*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*			
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*			
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		252.05	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-17.56*	
		For 6" Overall Height Instead Of 4-5/8", Add		*12.60*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		275.87	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-18.88*	
		For 6" Overall Height Instead Of 4-5/8", Add		*13.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	313.02	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.65*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	371.60	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.58*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	439.19	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.96*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	483.20	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.16*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	564.45	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.22*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	334.77	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.74*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	366.08	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.30*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	395.34	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.77*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	460.80	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.04*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	521.29	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.06*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	582.22	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.11*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	666.21	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.31*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	359.51	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.98*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	390.67	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.53*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	436.27	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.81*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	519.51	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.98*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	599.25	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.96*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	674.71	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.74*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	783.87	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.19*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	176.08	66.51
		For 60 Degree Bend, Deduct	*-32.62*	
		For 30 Degree Bend, Deduct	*-58.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.80*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	200.68	79.78
		For 60 Degree Bend, Deduct	*-35.66*	
		For 30 Degree Bend, Deduct	*-63.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.03*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	222.78	91.50
		For 60 Degree Bend, Deduct	*-38.44*	
		For 30 Degree Bend, Deduct	*-69.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	275.53	115.65
		For 60 Degree Bend, Deduct	*-46.60*	
		For 30 Degree Bend, Deduct	*-84.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.78*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	338.97	141.64
		For 60 Degree Bend, Deduct	*-57.57*	
		For 30 Degree Bend, Deduct	*-103.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.95*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	388.99	162.59
		For 60 Degree Bend, Deduct	*-66.03*	
		For 30 Degree Bend, Deduct	*-119.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.45*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	441.12	190.87
		For 60 Degree Bend, Deduct	*-72.40*	
		For 30 Degree Bend, Deduct	*-131.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.06*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	202.16	68.62
		For 60 Degree Bend, Deduct	*-40.42*	
		For 30 Degree Bend, Deduct	*-71.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.11*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	235.77	82.72
		For 60 Degree Bend, Deduct	*-46.09*	
		For 30 Degree Bend, Deduct	*-81.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.79*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	259.58	95.52
		For 60 Degree Bend, Deduct	*-49.05*	
		For 30 Degree Bend, Deduct	*-87.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.98*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	311.25	121.97
		For 60 Degree Bend, Deduct	*-55.95*	
		For 30 Degree Bend, Deduct	*-100.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.56*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	377.97	151.52
		For 60 Degree Bend, Deduct	*-66.66*	
		For 30 Degree Bend, Deduct	*-119.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.90*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	443.48	175.77
		For 60 Degree Bend, Deduct	*-78.99*	
		For 30 Degree Bend, Deduct	*-141.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.17*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	506.82	209.25
		For 60 Degree Bend, Deduct	*-87.05*	
		For 30 Degree Bend, Deduct	*-156.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.34*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	235.94	70.81
		For 60 Degree Bend, Deduct	*-50.73*	
		For 30 Degree Bend, Deduct	*-88.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.80*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	263.80	86.00
		For 60 Degree Bend, Deduct	*-54.09*	
		For 30 Degree Bend, Deduct	*-94.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.19*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	289.35	99.82
		For 60 Degree Bend, Deduct	*-57.22*	
		For 30 Degree Bend, Deduct	*-100.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.47*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	350.93	129.19
		For 60 Degree Bend, Deduct	*-66.27*	
		For 30 Degree Bend, Deduct	*-117.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.55*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	436.68	162.59
		For 60 Degree Bend, Deduct	*-81.77*	
		For 30 Degree Bend, Deduct	*-145.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	493.83	190.87
		For 60 Degree Bend, Deduct	*-89.79*	
		For 30 Degree Bend, Deduct	*-160.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.69*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.36	231.03
		For 60 Degree Bend, Deduct	*-102.29*	
		For 30 Degree Bend, Deduct	*-183.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.92*	

26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	284.80	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.24*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	313.73	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.69*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	334.46	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.72*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.79	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.14*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	424.97	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.25*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	466.15	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.31*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	514.13	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.71*	

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	302.19	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.11*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	332.13	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.61*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	356.07	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.80*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	413.63	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.68*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	463.67	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.18*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	512.88	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.64*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	577.52	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.88*	

26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	387.54	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.38*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	418.65	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.93*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	455.93	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.80*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.18	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.06*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	577.92	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.90*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	645.01	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.25*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	721.02	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	445.99	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.30*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	481.28	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.06*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	498.13	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.91*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	564.27	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.21*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	624.66	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.23*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.28	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.21*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	791.43	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.57*	
26 05 36 00-1036		**24" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	579.17	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.96*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	624.79	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.24*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	649.61	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.48*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	715.02	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.75*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	793.83	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.69*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	856.69	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.83*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,128.15	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.41*	
26 05 36 00-1044		**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	717.66	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.88*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	764.10	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.21*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	820.44	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.02*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	894.23	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.71*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,004.16	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.21*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,173.33	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.67*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,342.65	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.13*	
26 05 36 00-1052		**12" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	614.89	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.74*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	635.61	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.78*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	649.30	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	682.08	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.10*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	726.54	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.33*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	767.58	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.38*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	820.44	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.02*	

26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	875.20	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.76*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	894.84	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.74*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	915.51	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.78*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	963.64	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.18*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	995.99	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.80*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,051.36	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.57*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,160.29	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.01*	

26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,425.93	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.30*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,454.65	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.73*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,485.25	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.26*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,536.06	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.80*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,571.64	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.58*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,665.99	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.30*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,745.12	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.26*	

26 05 36 00-1076 12" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	579.33	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.97*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.03	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.05*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	644.74	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.24*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	719.42	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.97*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	786.41	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.32*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	873.64	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.68*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,002.65	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.13*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		815.42	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-61.23*	
		For 6" Overall Height Instead Of 4-5/8", Add		*40.77*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		852.45	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-63.71*	
		For 6" Overall Height Instead Of 4-5/8", Add		*42.62*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		891.72	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-66.30*	
		For 6" Overall Height Instead Of 4-5/8", Add		*44.59*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		944.54	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-70.07*	
		For 6" Overall Height Instead Of 4-5/8", Add		*47.23*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,060.38	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-77.87*	
		For 6" Overall Height Instead Of 4-5/8", Add		*53.02*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,142.10	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-83.71*	
		For 6" Overall Height Instead Of 4-5/8", Add		*57.11*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,264.84	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-93.24*	
		For 6" Overall Height Instead Of 4-5/8", Add		*63.24*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		939.41	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-71.07*	
		For 6" Overall Height Instead Of 4-5/8", Add		*46.97*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		989.72	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-74.59*	
		For 6" Overall Height Instead Of 4-5/8", Add		*49.49*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,054.36	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-79.32*	
		For 6" Overall Height Instead Of 4-5/8", Add		*52.72*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,130.66	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-84.90*	
		For 6" Overall Height Instead Of 4-5/8", Add		*56.53*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,367.75	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-103.53*	
		For 6" Overall Height Instead Of 4-5/8", Add		*68.39*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,508.90	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-114.35*	
		For 6" Overall Height Instead Of 4-5/8", Add		*75.45*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,679.99	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-127.30*	
		For 6" Overall Height Instead Of 4-5/8", Add		*84.00*	
26 05 36 00-1100		**12" Radius Vertical Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		579.33	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-39.63*	
		For 6" Overall Height Instead Of 4-5/8", Add		*28.97*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		621.16	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-42.86*	
		For 6" Overall Height Instead Of 4-5/8", Add		*31.06*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		644.66	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-44.16*	
		For 6" Overall Height Instead Of 4-5/8", Add		*32.23*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		719.58	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-50.41*	
		For 6" Overall Height Instead Of 4-5/8", Add		*35.98*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		786.41	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.26*	
		For 6" Overall Height Instead Of 4-5/8", Add		*39.32*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		873.88	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-61.26*	
		For 6" Overall Height Instead Of 4-5/8", Add		*43.69*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		1,001.96	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-72.06*	
		For 6" Overall Height Instead Of 4-5/8", Add		*50.10*	
26 05 36 00-1108		**24" Radius Vertical Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		815.42	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-61.23*	
		For 6" Overall Height Instead Of 4-5/8", Add		*40.77*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		852.45	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-63.71*	
		For 6" Overall Height Instead Of 4-5/8", Add		*42.62*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		891.72	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-66.30*	
		For 6" Overall Height Instead Of 4-5/8", Add		*44.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	944.54	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.23*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,060.38	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.02*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,142.10	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.11*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,264.84	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.24*	
26 05 36 00-1116		**36" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,156.28	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.81*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,215.62	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.78*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,293.82	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.69*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,385.93	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.30*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,684.02	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.20*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,859.05	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.95*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,069.67	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.48*	
26 05 36 00-1124		**9" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1125		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.52	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.78*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	258.92	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.95*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	292.94	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.65*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.01	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.45*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	411.16	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.56*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	453.50	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.68*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	528.47	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.42*	
26 05 36 00-1133		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	305.49	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.27*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	335.54	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.78*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	363.33	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.17*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	426.08	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.30*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	483.22	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.16*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	540.59	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	619.36	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.97*	
26 05 36 00-1141		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	327.30	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.37*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	357.62	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.88*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	399.46	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.97*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	478.10	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.91*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	552.40	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.62*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	623.26	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.16*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	724.89	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.24*	
26 05 36 00-1149		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	165.20	66.51
		For 60 Degree Bend, Deduct	*-29.03*	
		For 30 Degree Bend, Deduct	*-52.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.26*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	189.39	79.78
		For 60 Degree Bend, Deduct	*-31.93*	
		For 30 Degree Bend, Deduct	*-57.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.47*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	211.07	91.50
		For 60 Degree Bend, Deduct	*-34.58*	
		For 30 Degree Bend, Deduct	*-62.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.55*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	261.73	115.65
		For 60 Degree Bend, Deduct	*-42.05*	
		For 30 Degree Bend, Deduct	*-76.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.09*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	321.82	141.64
		For 60 Degree Bend, Deduct	*-51.91*	
		For 30 Degree Bend, Deduct	*-94.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.09*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	369.33	162.59
		For 60 Degree Bend, Deduct	*-59.54*	
		For 30 Degree Bend, Deduct	*-108.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.47*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	420.62	190.87
		For 60 Degree Bend, Deduct	*-65.63*	
		For 30 Degree Bend, Deduct	*-120.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.03*	
26 05 36 00-1157		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	187.52	68.62
		For 60 Degree Bend, Deduct	*-35.59*	
		For 30 Degree Bend, Deduct	*-63.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.38*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	219.46	82.72
		For 60 Degree Bend, Deduct	*-40.71*	
		For 30 Degree Bend, Deduct	*-72.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.97*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	242.85	95.52
		For 60 Degree Bend, Deduct	*-43.53*	
		For 30 Degree Bend, Deduct	*-77.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	293.26	121.97
		For 60 Degree Bend, Deduct	*-50.01*	
		For 30 Degree Bend, Deduct	*-90.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.66*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	357.05	151.52
		For 60 Degree Bend, Deduct	*-59.76*	
		For 30 Degree Bend, Deduct	*-108.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.85*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	418.38	175.77
		For 60 Degree Bend, Deduct	*-70.70*	
		For 30 Degree Bend, Deduct	*-127.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.92*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	480.47	209.25
		For 60 Degree Bend, Deduct	*-78.36*	
		For 30 Degree Bend, Deduct	*-142.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.02*	
26 05 36 00-1165		45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	216.28	70.81
		For 60 Degree Bend, Deduct	*-44.24*	
		For 30 Degree Bend, Deduct	*-77.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.81*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	243.72	86.00
		For 60 Degree Bend, Deduct	*-47.46*	
		For 30 Degree Bend, Deduct	*-83.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.19*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	268.85	99.82
		For 60 Degree Bend, Deduct	*-50.46*	
		For 30 Degree Bend, Deduct	*-89.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.44*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	328.34	129.19
		For 60 Degree Bend, Deduct	*-58.81*	
		For 30 Degree Bend, Deduct	*-105.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.42*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	409.07	162.59
		For 60 Degree Bend, Deduct	*-72.66*	
		For 30 Degree Bend, Deduct	*-130.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.45*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	464.55	190.87
		For 60 Degree Bend, Deduct	*-80.13*	
		For 30 Degree Bend, Deduct	*-144.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.23*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	546.15	231.03
		For 60 Degree Bend, Deduct	*-91.66*	
		For 30 Degree Bend, Deduct	*-165.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.31*	
26 05 36 00-1173		90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*		
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	267.54	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.38*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	295.53	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.78*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	315.95	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.80*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	363.65	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.18*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	404.89	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.24*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	445.13	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.26*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	492.49	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.62*	
26 05 36 00-1181		90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*		

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182		EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	283.53	95.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.18*	
26 05 36 00-1183		EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	312.67	109.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.63*	
26 05 36 00-1184		EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	336.14	121.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.81*	
26 05 36 00-1185		EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	392.61	151.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.63*	
26 05 36 00-1186		EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	441.39	175.77
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.07*	
26 05 36 00-1187		EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	489.35	199.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.31*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.47*	
26 05 36 00-1188		EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	552.42	231.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.62*	

26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1190		EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	358.67	99.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.56*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.93*	
26 05 36 00-1191		EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	389.16	115.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.46*	
26 05 36 00-1192		EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	424.56	129.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.23*	
26 05 36 00-1193		EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	488.55	162.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.30*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.43*	
26 05 36 00-1194		EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.03	190.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.20*	
26 05 36 00-1195		EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	608.61	219.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.56*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.43*	
26 05 36 00-1196		EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	683.05	258.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.15*	

26 05 36 00-1197 12" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1198		EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	420.47	175.77
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.02*	
26 05 36 00-1199		EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	454.09	190.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.70*	
26 05 36 00-1200		EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.52	199.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.43*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.53*	
26 05 36 00-1201		EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	531.22	219.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.56*	
26 05 36 00-1202		EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	588.27	243.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.51*	
			For 6" Overall Height Instead Of 4-5/8", Add	*29.41*	
26 05 36 00-1203		EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	642.03	258.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.66*	
			For 6" Overall Height Instead Of 4-5/8", Add	*32.10*	
26 05 36 00-1204		EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	740.81	292.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.70*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.04*	

26 05 36 00-1205 24" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1206		EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	535.66	190.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.66*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.78*	
26 05 36 00-1207		EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	578.77	209.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.44*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.94*	
26 05 36 00-1208		EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	602.34	219.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.94*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.12*	
26 05 36 00-1209		EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	663.57	243.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.04*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	737.78	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.89*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	795.20	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.76*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,034.03	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.70*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	656.17	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.81*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	700.93	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.05*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	751.42	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.57*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	821.44	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.07*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	923.84	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.19*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,071.68	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.58*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,229.70	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.49*	
26 05 36 00-1221		**12" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	557.58	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.88*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	576.63	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.83*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	589.90	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.50*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.42	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.07*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	660.86	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.04*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	700.65	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.03*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	751.42	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.57*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	778.15	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.91*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	796.53	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.83*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	815.95	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.80*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	861.15	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.06*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	890.99	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.55*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	943.85	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.19*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,043.16	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.16*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,241.29	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.06*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,267.62	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.38*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,295.82	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.79*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,344.23	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.21*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,377.42	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.87*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,464.57	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.23*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,541.31	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.07*	

26 05 36 00-1245 12" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	543.77	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.19*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	581.71	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.09*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.00	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.25*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	671.31	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.57*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	736.63	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.83*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	815.08	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.75*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.44	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.47*	

26 05 36 00-1253 24" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.23	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.36*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	782.17	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.11*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	819.35	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.97*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	868.41	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.42*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	977.55	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.88*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,053.42	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.67*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,164.86	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.24*	

26 05 36 00-1261 36" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	859.09	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.95*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	906.06	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.30*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	965.68	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.28*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,036.12	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,250.62	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.53*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,379.22	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.96*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,535.66	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.78*	
26 05 36 00-1269		**12" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	543.77	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.19*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	581.71	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.09*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.00	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.25*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	671.31	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.57*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	736.63	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.83*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	815.08	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.75*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	928.06	337.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.40*	
26 05 36 00-1277		**24" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.23	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.36*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	782.17	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.11*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	819.35	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.97*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	868.41	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.42*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	977.55	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.88*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,053.42	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.67*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,164.86	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.24*	
26 05 36 00-1285		**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,039.81	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.99*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,094.31	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.72*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,165.22	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.26*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,248.84	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.44*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,514.17	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.71*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,671.01	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.55*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,860.39	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.02*	
26 05 36 00-1293		**12" Rung Tray Fittings** *(26 05 36 00-0744)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	229.74	91.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.49*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	252.99	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.65*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	285.91	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.30*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	341.10	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.06*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.35	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.07*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	443.10	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.16*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	515.88	209.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.79*	
26 05 36 00-1302		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	295.24	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.76*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	324.85	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.24*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	352.13	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.61*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	413.93	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.70*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	469.90	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.50*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	526.02	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.30*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	602.96	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.15*	
26 05 36 00-1310		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	316.03	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.80*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	346.06	115.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.30*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	386.57	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.33*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	463.60	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.18*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	536.00	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.80*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	605.25	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.26*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	704.24	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.21*	
26 05 36 00-1318		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	161.40	66.51
		For 60 Degree Bend, Deduct	*-27.77*	
		For 30 Degree Bend, Deduct	*-49.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.07*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	185.43	79.78
		For 60 Degree Bend, Deduct	*-30.62*	
		For 30 Degree Bend, Deduct	*-55.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	206.97	91.50
		For 60 Degree Bend, Deduct	*-33.23*	
		For 30 Degree Bend, Deduct	*-60.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.35*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.89	115.65
		For 60 Degree Bend, Deduct	*-40.45*	
		For 30 Degree Bend, Deduct	*-73.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.84*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	315.82	141.64
		For 60 Degree Bend, Deduct	*-49.93*	
		For 30 Degree Bend, Deduct	*-91.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.79*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	362.45	162.59
		For 60 Degree Bend, Deduct	*-57.27*	
		For 30 Degree Bend, Deduct	*-104.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.12*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	413.45	190.87
		For 60 Degree Bend, Deduct	*-63.27*	
		For 30 Degree Bend, Deduct	*-116.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.67*	
26 05 36 00-1326		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	182.39	68.62
		For 60 Degree Bend, Deduct	*-33.90*	
		For 30 Degree Bend, Deduct	*-60.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.12*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	213.75	82.72
		For 60 Degree Bend, Deduct	*-38.83*	
		For 30 Degree Bend, Deduct	*-69.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.69*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	236.99	95.52
		For 60 Degree Bend, Deduct	*-41.60*	
		For 30 Degree Bend, Deduct	*-74.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.85*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	286.97	121.97
		For 60 Degree Bend, Deduct	*-47.94*	
		For 30 Degree Bend, Deduct	*-86.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.35*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	349.73	151.52
		For 60 Degree Bend, Deduct	*-57.34*	
		For 30 Degree Bend, Deduct	*-103.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.49*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.60	175.77
		For 60 Degree Bend, Deduct	*-67.81*	
		For 30 Degree Bend, Deduct	*-122.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.48*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	471.24	209.25
		For 60 Degree Bend, Deduct	*-75.31*	
		For 30 Degree Bend, Deduct	*-137.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.56*	
26 05 36 00-1334		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	209.40	70.81
		For 60 Degree Bend, Deduct	*-41.97*	
		For 30 Degree Bend, Deduct	*-73.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.47*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	236.69	86.00
		For 60 Degree Bend, Deduct	*-45.14*	
		For 30 Degree Bend, Deduct	*-80.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.83*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	261.68	99.82
		For 60 Degree Bend, Deduct	*-48.09*	
		For 30 Degree Bend, Deduct	*-85.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.08*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	320.43	129.19
		For 60 Degree Bend, Deduct	*-56.20*	
		For 30 Degree Bend, Deduct	*-100.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	399.41	162.59
		For 60 Degree Bend, Deduct	*-69.47*	
		For 30 Degree Bend, Deduct	*-124.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.97*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	454.30	190.87
		For 60 Degree Bend, Deduct	*-76.75*	
		For 30 Degree Bend, Deduct	*-138.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.72*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	534.88	231.03
		For 60 Degree Bend, Deduct	*-87.94*	
		For 30 Degree Bend, Deduct	*-159.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.74*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.04	91.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.80*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	283.40	104.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.17*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	303.61	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.18*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	350.89	141.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.54*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.50	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.58*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	431.12	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.56*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.05	208.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.90*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	271.08	95.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.55*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	299.71	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.99*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	322.86	121.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.14*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	378.60	151.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.93*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	426.54	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.33*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	473.66	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.68*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	535.69	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.78*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	339.43	99.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.97*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	369.50	115.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.48*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	403.64	129.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.18*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	466.80	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.34*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.44	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.07*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	584.35	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	657.74	258.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.89*	
26 05 36 00-1366		**12" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.71	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.39*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	440.49	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.02*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	456.72	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.84*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	514.70	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.74*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	570.07	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.50*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.90	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.05*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	715.50	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	
26 05 36 00-1374		**24" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	513.91	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.70*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	555.77	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.79*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	578.70	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.94*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	637.84	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.89*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	709.75	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.49*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	764.45	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.22*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	986.97	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.35*	
26 05 36 00-1382		**36" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	625.42	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.27*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	669.35	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.47*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	716.90	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.85*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	785.05	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.25*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	883.68	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.18*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,020.85	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.04*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,173.23	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.66*	
26 05 36 00-1390		**12" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	528.92	162.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.45*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	547.13	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	560.20	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.01*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	591.09	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.55*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	628.02	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.40*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	667.18	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.36*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	716.90	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.85*	

26 05 36 00-1398 24" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	729.62	175.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.48*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.38	182.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.37*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	766.17	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.31*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	809.91	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.50*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	838.49	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.92*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	890.10	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.51*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	984.59	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.23*	

26 05 36 00-1406 36" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,148.98	190.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.45*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,174.10	199.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.71*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,201.11	209.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.06*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,248.32	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.42*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,280.30	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.02*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,363.86	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.19*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,439.40	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.97*	

26 05 36 00-1414 12" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.99	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.30*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	562.05	231.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.10*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	585.13	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.26*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	647.26	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.36*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	711.74	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.59*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	785.79	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	892.84	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.64*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	713.14	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.66*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.03	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.35*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	783.16	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	830.34	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.52*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	936.14	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.81*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,009.07	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.45*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,114.87	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.74*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	818.93	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.95*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	864.22	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.21*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	921.33	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.07*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	988.85	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.44*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,192.05	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.60*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,314.38	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.72*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,463.50	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.18*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.99	219.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.30*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	562.18	231.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.11*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	585.05	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.25*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	647.42	258.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.37*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	711.74	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.59*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	786.03	313.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.30*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	892.15	337.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.61*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	713.14	243.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.66*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.03	258.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	783.16	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	830.34	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.52*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	936.14	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.81*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,009.07	365.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.45*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,114.87	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.74*	
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	981.58	274.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.08*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,033.65	292.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.68*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,100.92	313.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.05*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,180.30	338.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.02*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,429.25	398.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.46*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,576.99	438.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.85*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,755.76	488.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.79*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9"-6" Reducer, Aluminum Cable Tray	206.70	67.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.34*	
26 05 36 00-1465	EA	12"-9" Reducer, Aluminum Cable Tray	218.09	73.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.90*	
26 05 36 00-1466	EA	18"-12" Reducer, Aluminum Cable Tray	238.99	84.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.95*	
26 05 36 00-1467	EA	24"-18" Reducer, Aluminum Cable Tray	263.09	97.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.15*	
26 05 36 00-1468	EA	30"-24" Reducer, Aluminum Cable Tray	285.48	109.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.27*	
26 05 36 00-1469	EA	36"-30" Reducer, Aluminum Cable Tray	317.85	125.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.89*	
26 05 36 00-1470		**Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1471	EA	18"-6" Reducer, Aluminum Cable Tray	239.08	84.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.95*	
26 05 36 00-1472	EA	24"-12" Reducer, Aluminum Cable Tray	263.32	97.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.17*	
26 05 36 00-1473	EA	30"-12" Reducer, Aluminum Cable Tray	285.34	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.27*	
26 05 36 00-1474	EA	30"-18" Reducer, Aluminum Cable Tray	287.28	109.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.36*	
26 05 36 00-1475	EA	36"-12" Reducer, Aluminum Cable Tray	315.76	125.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.79*	
26 05 36 00-1476	EA	36"-18" Reducer, Aluminum Cable Tray	323.35	128.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA	36"-24" Reducer, Aluminum Cable Tray	334.39	132.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.72*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	58.20	27.45
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	65.53	31.38
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	70.70	33.76
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	85.86	39.89
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	95.89	43.92
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	108.32	48.77
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	121.52	54.90
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	23.56	7.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.34*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	29.36	8.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.94*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	39.15	12.63
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.77*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	45.30	14.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.38*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	54.29	17.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.23*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	69.37	20.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.07*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	240.40	91.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*20.80*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	313.12	128.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.49*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	383.40	162.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.41*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	469.92	199.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.19*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	549.03	231.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.78*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	616.90	258.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.46*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	283.63	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.65*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	374.71	137.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.31*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	461.45	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.93*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	562.64	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.80*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	659.99	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.00*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	745.84	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.10*	
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	348.62	99.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.69*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	449.83	146.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.04*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	569.69	191.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.59*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	678.46	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.14*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	814.32	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.38*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	929.01	337.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.15*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	218.55	91.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*17.51*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	288.54	128.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.80*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	354.98	162.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.18*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	435.19	199.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.03*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	508.21	231.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.66*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	569.56	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.44*	

26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	252.57	95.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.98*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	338.05	137.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.83*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	419.68	175.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.63*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	513.48	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.42*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	603.29	258.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.42*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	681.31	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.42*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	303.20	99.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.86*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	375.73	132.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.19*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	506.91	191.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.18*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	611.15	244.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.97*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	732.67	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.13*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	838.64	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.46*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	259.30	91.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.68*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	327.17	128.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.60*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	385.16	162.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.67*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	466.41	199.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.67*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	527.96	231.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.62*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	577.46	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.62*	

26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	309.97	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.60*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	394.03	137.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.21*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	471.98	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.51*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	560.89	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.54*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	635.40	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.31*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	712.48	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.10*	

26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	371.44	99.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.12*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	452.11	133.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.61*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	569.69	191.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.59*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	681.97	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.67*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	787.98	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	888.62	337.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.09*	
26 05 36 00-1558		**12" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	415.80	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.08*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	498.85	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.29*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	588.80	258.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.24*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	700.78	314.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.77*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	765.33	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.46*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	896.73	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.01*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	509.53	190.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.62*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	629.29	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.76*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	735.31	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.52*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	945.36	365.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.81*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,030.18	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.03*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,209.11	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.96*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	648.95	209.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.47*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	792.87	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.18*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	928.63	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.95*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,133.78	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.57*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,242.37	439.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*113.04*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,441.74	548.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*124.77*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	494.81	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.93*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	576.69	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.91*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	620.51	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.45*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	665.25	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.79*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	738.82	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.05*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	823.28	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.15*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	616.64	190.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.68*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	718.85	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.20*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	785.85	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.13*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	831.88	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.01*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	940.92	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.80*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,060.03	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.51*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	813.48	208.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.21*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	931.59	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.99*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,031.46	313.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.50*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,090.18	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.19*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,279.53	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.43*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,380.49	438.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.99*	

26 05 36 00-1600 12" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	513.48	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.42*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	590.56	258.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.51*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	710.12	313.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.29*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	820.69	365.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.11*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	966.09	438.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.83*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,072.15	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.42*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	675.68	244.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.65*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	787.98	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.43*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	945.36	365.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.81*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,163.35	439.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.19*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,279.35	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.50*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,406.62	548.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.50*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	896.47	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.72*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,046.28	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.60*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,259.93	439.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.67*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,437.39	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.21*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,590.99	548.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.15*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,764.41	626.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*160.21*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12"-6" Reducer, Solid Bottom, Steel Cable Tray	208.04	73.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*19.01*	
26 05 36 00-1623	EA	18"-12" Reducer, Solid Bottom, Steel Cable Tray	225.68	82.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*20.06*	
26 05 36 00-1624	EA	24"-18" Reducer, Solid Bottom, Steel Cable Tray	250.16	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.64*	
26 05 36 00-1625	EA	30"-24" Reducer, Solid Bottom, Steel Cable Tray	281.32	109.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.90*	
26 05 36 00-1626	EA	36"-30" Reducer, Solid Bottom, Steel Cable Tray	304.80	121.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.42*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18"-6" Reducer, Solid Bottom, Steel Cable Tray	225.76	82.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*20.07*	
26 05 36 00-1629	EA	24"-12" Reducer, Solid Bottom, Steel Cable Tray	248.73	95.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.39*	
26 05 36 00-1630	EA	30"-12" Reducer, Solid Bottom, Steel Cable Tray	277.67	109.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.37*	
26 05 36 00-1631	EA	30"-18" Reducer, Solid Bottom, Steel Cable Tray	279.28	109.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.62*	
26 05 36 00-1632	EA	36"-12" Reducer, Solid Bottom, Steel Cable Tray	303.05	121.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.16*	
26 05 36 00-1633	EA	36"-18" Reducer, Solid Bottom, Steel Cable Tray	304.80	121.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634	EA	36"-24" Reducer, Solid Bottom, Steel Cable Tray	306.92	121.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.71*	
26 05 36 00-1635		**Dropout Or End Plate** *(26 05 36 00-1494)*		
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	63.66	27.45
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	78.11	33.49
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	90.12	39.71
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	101.38	43.92
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	112.86	48.77
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	125.30	54.90
26 05 36 00-1642		**Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	26.26	5.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.98*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	33.09	6.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.84*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	42.12	8.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.85*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	50.71	9.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.00*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	61.67	12.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.16*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	74.17	13.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.83*	
26 05 36 00-1649		**Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1650		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	286.47	91.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.71*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	342.82	115.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.20*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	399.26	129.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.37*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	464.01	151.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.33*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	550.53	175.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.25*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	621.61	199.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.95*	
26 05 36 00-1657		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	349.30	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.50*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	429.40	122.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.06*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	486.02	137.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.03*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	588.96	162.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.24*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	681.64	190.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.48*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	784.32	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.05*	
26 05 36 00-1664		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	448.38	99.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.66*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	554.44	129.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.61*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	645.99	146.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.46*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	723.40	175.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.26*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	836.05	209.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.54*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	976.60	243.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.93*	
26 05 36 00-1671		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	257.12	91.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.30*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	309.69	115.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.23*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	358.56	129.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.29*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		416.97	151.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*37.33*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		493.93	175.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*44.76*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		557.14	199.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*50.37*	
26 05 36 00-1678		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*			
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		307.54	95.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*30.22*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		379.52	121.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*36.60*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		429.88	137.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*41.56*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		519.01	162.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*50.75*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		602.47	191.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*58.51*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		692.28	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*67.24*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*			
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		386.49	99.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*41.35*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		479.49	129.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*50.40*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		557.64	146.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*59.21*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		629.34	175.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*65.08*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		728.83	209.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*74.46*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray		852.42	244.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*87.16*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*			
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		311.16	91.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*31.46*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		357.46	115.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*34.40*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		401.35	129.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*38.68*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		449.37	151.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*42.13*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		502.42	175.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*46.04*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray		547.43	199.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*48.92*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*			
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		384.86	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*41.83*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		448.23	122.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*46.88*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		492.29	137.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*50.97*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		557.58	162.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*56.54*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		620.98	190.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*61.38*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray		700.65	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*68.50*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*			
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		463.02	99.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*52.85*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		550.26	129.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*60.98*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		608.34	146.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*66.81*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		671.10	175.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*71.41*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		767.03	209.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*80.19*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray		840.64	243.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*85.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	499.96	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.71*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	582.99	199.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.25*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	648.36	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.66*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	722.86	244.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.73*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	851.67	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.98*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,028.32	365.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.25*	
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	659.07	190.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.05*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	750.85	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.03*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	841.36	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.58*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,021.10	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.39*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,216.57	365.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.49*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,346.68	400.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.31*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	902.99	209.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.58*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,012.88	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.30*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,158.20	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.98*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,377.78	337.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*150.47*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,632.57	439.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*171.57*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,818.04	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*191.30*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	587.81	175.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.88*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	633.67	199.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.80*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	661.91	208.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.47*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	700.07	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.47*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	770.24	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.91*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	872.59	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.12*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	753.20	190.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.17*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	826.15	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.32*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	876.63	231.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.99*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	939.67	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.32*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,043.16	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.73*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,179.07	337.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.66*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,027.96	208.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.38*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,112.47	240.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*126.74*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,182.96	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,231.41	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.96*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,358.91	313.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*151.61*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	756.98	398.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.05*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	596.02	199.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.16*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	663.00	219.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.85*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	768.81	258.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.33*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	907.11	313.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.84*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	997.09	337.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.36*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,147.97	400.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.51*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	826.74	219.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.35*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	939.67	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.32*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,067.12	292.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.30*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,312.32	366.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.69*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,440.80	400.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.43*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,619.33	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*161.50*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,190.67	243.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.97*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,304.62	274.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.94*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,504.66	338.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*169.36*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,758.07	439.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*190.40*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,922.62	488.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*206.99*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,211.80	548.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*240.27*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12"-6" Reducer, Solid Bottom, Aluminum Cable Tray	234.32	62.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.68*	
26 05 36 00-1778	EA	18"-12" Reducer, Solid Bottom, Aluminum Cable Tray	255.67	73.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.17*	
26 05 36 00-1779	EA	24"-18" Reducer, Solid Bottom, Aluminum Cable Tray	280.11	82.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.23*	
26 05 36 00-1780	EA	30"-24" Reducer, Solid Bottom, Aluminum Cable Tray	313.85	95.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.17*	
26 05 36 00-1781	EA	36"-30" Reducer, Solid Bottom, Aluminum Cable Tray	345.85	109.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.61*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18"-6" Reducer, Solid Bottom, Aluminum Cable Tray	253.65	73.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.86*	
26 05 36 00-1784	EA	24"-12" Reducer, Solid Bottom, Aluminum Cable Tray	278.27	82.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.93*	
26 05 36 00-1785	EA	30"-12" Reducer, Solid Bottom, Aluminum Cable Tray	309.56	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.54*	
26 05 36 00-1786	EA	30"-18" Reducer, Solid Bottom, Aluminum Cable Tray	311.54	95.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.85*	
26 05 36 00-1787	EA	36"-12" Reducer, Solid Bottom, Aluminum Cable Tray	345.85	109.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.61*	
26 05 36 00-1788	EA	36"-18" Reducer, Solid Bottom, Aluminum Cable Tray	347.94	109.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.92*	
26 05 36 00-1789	EA	36"-24" Reducer, Solid Bottom, Aluminum Cable Tray	352.42	109.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	72.21	27.45
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	85.72	33.49
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	102.01	39.71
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	112.63	43.92
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	127.27	48.77
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	144.84	54.90
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)* Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	23.55	9.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-1.55*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	27.44	10.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-1.83*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	32.09	12.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.16*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	36.81	14.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.47*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	47.35	17.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.28*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	56.99	21.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.87*	
26 05 36 00-1805		**Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1806		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	238.98	115.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.26*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	315.75	156.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.53*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	395.62	199.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.94*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	484.87	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.14*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	546.63	275.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.74*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	625.51	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.38*	
26 05 36 00-1813		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	271.48	121.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.99*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	360.42	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.96*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	461.14	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.82*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	564.76	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.60*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	596.31	283.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.00*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	753.58	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.86*	
26 05 36 00-1820		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	316.87	128.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.95*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	422.18	183.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.95*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	547.16	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.37*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	670.16	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.90*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	776.07	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.11*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	915.92	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.05*	
26 05 36 00-1827		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	228.97	115.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.25*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	303.67	156.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.33*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	381.25	199.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	467.02	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.39*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	527.22	275.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.80*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	601.86	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.07*	
26 05 36 00-1834		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*		
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	256.62	121.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-15.50*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	343.10	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.23*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	440.79	219.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.75*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	541.16	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.24*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	619.92	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.82*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	721.99	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.70*	
26 05 36 00-1841		45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*		
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	294.81	129.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.72*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	395.68	182.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.34*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	516.33	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.28*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	638.81	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.71*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	739.53	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.45*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	877.54	439.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.10*	
26 05 36 00-1848		90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*		
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	251.91	115.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-15.58*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	327.43	156.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.70*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	399.94	199.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.37*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	484.01	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.05*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	537.12	275.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.79*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	605.28	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.42*	
26 05 36 00-1855		90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*		
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	288.78	121.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.72*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	372.53	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.17*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	466.33	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.33*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	561.30	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.26*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	639.02	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.79*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	731.95	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.70*	
26 05 36 00-1862		90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	330.71	128.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.33*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	428.24	183.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.55*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	543.70	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.02*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	668.43	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.73*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	759.63	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.46*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	896.89	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869		**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	436.05	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.31*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	534.42	273.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.61*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	611.66	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.99*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	712.06	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.71*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	781.73	398.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.93*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	858.83	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.34*	
26 05 36 00-1876		**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	522.21	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.91*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	648.54	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.74*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	750.98	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.60*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	914.19	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.88*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,012.99	488.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.60*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,134.68	548.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.72*	
26 05 36 00-1883		**36" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	623.58	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.48*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	799.42	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.44*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	939.90	439.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.33*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,164.09	548.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.66*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,313.12	629.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.85*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,528.13	730.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.98*	
26 05 36 00-1890		**12" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	482.76	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.98*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	576.00	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.73*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	608.83	292.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.50*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	650.27	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.92*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	699.21	338.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.75*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	803.36	398.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.09*	
26 05 36 00-1897		**24" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	562.86	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.97*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	686.60	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.55*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	735.54	338.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.38*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	795.10	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.01*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	859.59	398.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.71*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,025.10	488.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.81*	
26 05 36 00-1904		**36" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	705.70	273.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.74*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	865.17	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.02*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	928.79	398.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,014.29	439.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.77*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,138.42	488.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.14*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,373.20	626.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.10*	
26 05 36 00-1911		**12" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	547.45	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.87*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	614.26	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.25*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	711.19	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.62*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	837.20	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.18*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	930.52	486.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.50*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,049.04	548.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.16*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	664.43	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.27*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	757.90	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.29*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	893.43	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.80*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,121.71	548.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.42*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,272.85	626.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.06*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,458.92	730.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.06*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	847.87	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.29*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	983.15	439.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.66*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,170.15	548.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.27*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,530.31	733.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.87*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,803.66	879.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.05*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,193.25	1,097.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.83*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12"-6" Reducer, Vented Bottom, Steel Cable Tray	199.50	93.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-12.16*	
26 05 36 00-1934	EA	18"-12" Reducer, Vented Bottom, Steel Cable Tray	219.49	104.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.25*	
26 05 36 00-1935	EA	24"-18" Reducer, Vented Bottom, Steel Cable Tray	251.40	121.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.99*	
26 05 36 00-1936	EA	30"-24" Reducer, Vented Bottom, Steel Cable Tray	278.91	137.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.45*	
26 05 36 00-1937	EA	36"-30" Reducer, Vented Bottom, Steel Cable Tray	305.55	151.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.96*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18"-6" Reducer, Vented Bottom, Steel Cable Tray	219.49	104.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.25*	
26 05 36 00-1940	EA	24"-12" Reducer, Vented Bottom, Steel Cable Tray	250.90	121.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.92*	
26 05 36 00-1941	EA	30"-12" Reducer, Vented Bottom, Steel Cable Tray	277.82	137.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.36*	
26 05 36 00-1942	EA	30"-18" Reducer, Vented Bottom, Steel Cable Tray	278.45	136.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.43*	
26 05 36 00-1943	EA	36"-12" Reducer, Vented Bottom, Steel Cable Tray	304.69	151.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.87*	
26 05 36 00-1944	EA	36"-18" Reducer, Vented Bottom, Steel Cable Tray	305.55	151.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.96*	
26 05 36 00-1945	EA	36"-24" Reducer, Vented Bottom, Steel Cable Tray	306.97	151.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	66.69	33.76
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	78.73	39.62
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	86.87	43.74
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	97.39	48.77
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	108.60	54.81
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	128.27	65.51
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	33.93	7.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.79*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	37.74	7.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.12*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	42.22	8.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.49*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	49.42	9.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.12*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	57.00	10.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.80*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	73.17	12.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.27*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	80.96	14.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.87*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	337.03	115.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.07*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	366.15	125.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.15*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	402.91	141.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.51*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	455.65	156.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.51*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	544.49	191.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.52*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	644.76	219.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.15*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	710.31	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.68*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	412.31	121.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.07*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	497.20	151.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.10*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	564.08	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.32*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	670.28	208.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.62*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	773.71	243.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.09*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	854.91	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.62*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	509.72	128.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.23*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	608.10	162.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.24*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	688.18	183.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.55*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	803.43	231.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.09*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	864.69	223.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.81*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,055.62	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.45*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	305.44	115.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.90*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	331.83	125.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.71*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	366.10	141.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.83*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	412.55	156.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.21*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	494.33	190.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.53*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	583.56	219.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.03*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	642.86	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.97*	

26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	366.47	121.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.48*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	443.36	151.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.71*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	502.30	169.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.13*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	599.94	209.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.56*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	694.17	244.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.07*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	767.48	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.87*	

26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	445.23	129.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.76*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	533.37	162.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.80*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	603.97	183.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.13*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	712.03	231.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.92*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	814.17	258.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.88*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	939.47	314.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.78*	

26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	367.92	115.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.18*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	394.86	125.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.05*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	423.83	141.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.60*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	455.65	156.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.51*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	534.03	191.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.47*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	592.47	219.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.92*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	634.28	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.11*	

26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	439.50	121.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.79*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	509.75	151.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.35*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	561.99	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.11*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	633.16	209.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.88*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	705.40	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.23*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	771.24	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.25*	

26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	507.63	128.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.02*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	585.09	162.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.94*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	656.80	183.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.41*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	765.78	231.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.32*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	849.11	258.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	953.13	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.20*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	585.61	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.26*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	610.99	231.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.84*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	650.30	243.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.75*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	742.87	275.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.37*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	848.54	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.74*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	959.29	365.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.43*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,062.37	398.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.99*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	740.96	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.78*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	837.26	273.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.90*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	940.58	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.95*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,131.27	364.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.71*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,297.90	439.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.13*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,472.91	488.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.59*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	995.05	274.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.63*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,139.29	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.82*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,210.15	305.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.54*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,546.56	438.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.12*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,786.69	551.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.74*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,048.49	626.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-152.63*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	667.18	219.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.42*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	688.38	231.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.58*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	732.59	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.94*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	759.16	258.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.38*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	793.33	273.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.50*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	839.12	292.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.53*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	928.06	337.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.71*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	832.99	243.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.98*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	916.74	273.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.85*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	979.26	292.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.54*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,045.16	313.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.40*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,126.77	337.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.58*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,242.09	400.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.87*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2065			**36" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2066	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,115.45	273.95
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.72*	
26 05 36 00-2067	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,222.95	313.38
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.18*	
26 05 36 00-2068	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,283.65	337.16
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.26*	
26 05 36 00-2069	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,385.53	366.99
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.97*	
26 05 36 00-2070	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,503.55	400.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.01*	
26 05 36 00-2071	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,689.65	486.67
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-128.41*	
26 05 36 00-2072			**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2073	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	680.30	243.74
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.72*	
26 05 36 00-2074	EA		9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	723.61	258.47
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.82*	
26 05 36 00-2075	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	759.60	275.04
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.04*	
26 05 36 00-2076	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	838.08	313.38
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.70*	
26 05 36 00-2077	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	959.75	364.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.56*	
26 05 36 00-2078	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,089.71	397.83
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.82*	
26 05 36 00-2079	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,328.58	488.41
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.16*	
26 05 36 00-2080			**24" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2081	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	949.94	275.04
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.07*	
26 05 36 00-2082	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,059.80	313.38
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.87*	
26 05 36 00-2083	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,187.75	364.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.36*	
26 05 36 00-2084	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,400.14	438.45
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.47*	
26 05 36 00-2085	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,532.77	486.67
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-112.72*	
26 05 36 00-2086	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,860.24	626.66
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.80*	
26 05 36 00-2087			**36" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2088	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,327.54	313.38
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.64*	
26 05 36 00-2089	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,469.20	366.99
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.34*	
26 05 36 00-2090	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,661.60	438.45
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.62*	
26 05 36 00-2091	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,995.86	551.18
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-153.65*	
26 05 36 00-2092	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,220.62	629.59
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-169.60*	
26 05 36 00-2093	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,576.30	730.05
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-196.79*	
26 05 36 00-2094			**Straight Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2095	EA		9"-6" Reducer, Vented Bottom, Aluminum Cable Tray	255.93	73.20
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.49*	
26 05 36 00-2096	EA		12"-9" Reducer, Vented Bottom, Aluminum Cable Tray	268.65	77.14
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.44*	
26 05 36 00-2097	EA		18"-12" Reducer, Vented Bottom, Aluminum Cable Tray	302.99	91.41
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.68*	
26 05 36 00-2098	EA		24"-18" Reducer, Vented Bottom, Aluminum Cable Tray	335.01	104.40
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.80*	
26 05 36 00-2099	EA		30"-24" Reducer, Vented Bottom, Aluminum Cable Tray	368.56	121.97
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.69*	
26 05 36 00-2100	EA		36"-30" Reducer, Vented Bottom, Aluminum Cable Tray	399.80	136.97
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.57*	
26 05 36 00-2101			**Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2102	EA		12"-6" Reducer, Vented Bottom, Aluminum Cable Tray	268.43	76.95
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.43*	
26 05 36 00-2103	EA		18"-6" Reducer, Vented Bottom, Aluminum Cable Tray	302.89	91.41
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104	EA	18"-9" Reducer, Vented Bottom, Aluminum Cable Tray	302.89	91.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.67*	
26 05 36 00-2105	EA	24"-6" Reducer, Vented Bottom, Aluminum Cable Tray	335.14	104.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.81*	
26 05 36 00-2106	EA	24"-9" Reducer, Vented Bottom, Aluminum Cable Tray	335.14	104.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.81*	
26 05 36 00-2107	EA	24"-12" Reducer, Vented Bottom, Aluminum Cable Tray	335.40	104.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.82*	
26 05 36 00-2108	EA	30"-12" Reducer, Vented Bottom, Aluminum Cable Tray	372.57	121.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.10*	
26 05 36 00-2109	EA	30"-18" Reducer, Vented Bottom, Aluminum Cable Tray	368.20	121.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.67*	
26 05 36 00-2110	EA	36"-12" Reducer, Vented Bottom, Aluminum Cable Tray	399.80	136.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.57*	
26 05 36 00-2111	EA	36"-18" Reducer, Vented Bottom, Aluminum Cable Tray	399.80	136.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.57*	
26 05 36 00-2112	EA	36"-24" Reducer, Vented Bottom, Aluminum Cable Tray	400.26	137.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.59*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	83.67	33.76
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	91.30	36.87
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	98.39	39.62
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	111.91	43.74
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	128.40	48.77
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	141.59	54.81
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	162.11	62.77

26 05 36 00-2121 Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	5.51	1.64
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	6.58	1.92
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	7.68	2.19
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	10.36	2.93
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	13.35	3.94
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	16.25	4.85
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	100.98	54.99

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	30.13	5.85
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	33.92	6.86
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	37.30	8.15
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	50.25	10.43
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.95	13.27
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	73.79	14.73
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	89.01	17.57

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	44.53	6.49
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	47.23	7.60
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	53.78	9.15
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	66.89	11.62
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	82.39	14.64
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	104.26	16.83
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	121.54	19.95

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	61.45	7.31
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	68.59	8.42
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	75.37	10.43
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	94.72	12.16
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	116.38	16.92
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	136.51	19.12
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	159.38	21.95

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	24.25	5.85
		For 60 Degree Bend, Deduct	*-5.75*	
		For 30 Degree Bend, Deduct	*-9.91*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	28.73	6.86
		For 60 Degree Bend, Deduct	*-6.85*	
		For 30 Degree Bend, Deduct	*-11.80*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	32.54	8.15
		For 60 Degree Bend, Deduct	*-7.63*	
		For 30 Degree Bend, Deduct	*-13.17*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	39.53	9.97
		For 60 Degree Bend, Deduct	*-9.22*	
		For 30 Degree Bend, Deduct	*-15.93*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	46.11	11.53
		For 60 Degree Bend, Deduct	*-10.78*	
		For 30 Degree Bend, Deduct	*-18.61*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	53.75	13.27
		For 60 Degree Bend, Deduct	*-12.64*	
		For 30 Degree Bend, Deduct	*-21.80*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	59.87	14.64
		For 60 Degree Bend, Deduct	*-14.15*	
		For 30 Degree Bend, Deduct	*-24.39*	

26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	31.99	6.49
		For 60 Degree Bend, Deduct	*-8.07*	
		For 30 Degree Bend, Deduct	*-13.81*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	36.42	7.60
		For 60 Degree Bend, Deduct	*-9.11*	
		For 30 Degree Bend, Deduct	*-15.61*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	42.11	9.15
		For 60 Degree Bend, Deduct	*-10.38*	
		For 30 Degree Bend, Deduct	*-17.81*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	49.04	10.98
		For 60 Degree Bend, Deduct	*-11.97*	
		For 30 Degree Bend, Deduct	*-20.56*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	56.42	12.54
		For 60 Degree Bend, Deduct	*-13.80*	
		For 30 Degree Bend, Deduct	*-23.70*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	69.44	14.64
		For 60 Degree Bend, Deduct	*-17.29*	
		For 30 Degree Bend, Deduct	*-29.63*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	77.49	16.92
		For 60 Degree Bend, Deduct	*-19.09*	
		For 30 Degree Bend, Deduct	*-32.76*	

26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	42.87	7.31
		For 60 Degree Bend, Deduct	*-11.35*	
		For 30 Degree Bend, Deduct	*-19.32*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	48.69	8.42
		For 60 Degree Bend, Deduct	*-12.83*	
		For 30 Degree Bend, Deduct	*-21.85*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	55.43	10.43
		For 60 Degree Bend, Deduct	*-14.30*	
		For 30 Degree Bend, Deduct	*-24.41*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	63.01	11.62
		For 60 Degree Bend, Deduct	*-16.35*	
		For 30 Degree Bend, Deduct	*-27.89*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	76.84	14.18
		For 60 Degree Bend, Deduct	*-19.92*	
		For 30 Degree Bend, Deduct	*-33.99*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	86.14	16.92
		For 60 Degree Bend, Deduct	*-21.94*	
		For 30 Degree Bend, Deduct	*-37.51*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	100.59	18.30
		For 60 Degree Bend, Deduct	*-26.18*	
		For 30 Degree Bend, Deduct	*-44.64*	

26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	26.72	5.85
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	28.73	6.86
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	32.11	8.15
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	37.83	9.97
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	43.15	12.90
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	48.27	14.73
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.96	17.57

26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	31.55	6.49
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	35.55	7.60
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	39.08	9.15
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	49.87	10.98
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	59.08	14.18
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	68.37	16.92
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	79.16	19.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	36.36	7.31
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	44.80	8.42
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	52.01	10.43
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	63.01	11.62
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	75.49	16.19
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	89.80	19.12
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	104.88	21.95
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	46.63	9.52
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	49.87	10.98
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	56.92	12.90
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	67.71	14.64
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	82.68	16.92
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	104.60	24.34
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	125.68	29.19
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	65.08	9.97
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	74.68	11.62
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	79.94	13.73
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	99.69	15.74
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	142.88	18.30
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	173.81	27.45
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	197.27	33.76
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	104.76	10.43
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	109.41	12.16
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	123.05	14.64
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	144.15	16.92
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	185.56	19.95
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	217.64	31.47
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	254.05	39.80
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	67.35	12.90
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	71.32	13.73
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	78.53	14.64
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	92.19	16.92
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	118.40	24.34
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	137.74	29.19
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	156.06	31.38
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	110.28	13.73
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	119.59	14.64
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	128.24	15.74
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	152.39	18.30
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	194.54	27.45
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	224.02	33.76
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	249.44	36.50
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	170.62	14.64
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	177.55	15.74
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	187.40	16.92
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	216.70	19.95
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	285.94	31.38
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	317.50	39.98
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	341.36	43.92
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9"-6" Reducer, Steel Cable Tray Covers	30.90	6.86
26 05 36 00-2253	EA	12"-6" Reducer, Steel Cable Tray Covers	33.87	8.15
26 05 36 00-2254	EA	12"-9" Reducer, Steel Cable Tray Covers	33.87	8.15
26 05 36 00-2255	EA	18"-6" Reducer, Steel Cable Tray Covers	38.26	9.97
26 05 36 00-2256	EA	18"-12" Reducer, Steel Cable Tray Covers	38.26	9.97
26 05 36 00-2257	EA	24"-12" Reducer, Steel Cable Tray Covers	45.98	10.98

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258	EA	24"-18" Reducer, Steel Cable Tray Covers	48.58	10.98
26 05 36 00-2259	EA	30"-12" Reducer, Steel Cable Tray Covers	48.61	12.54
26 05 36 00-2260	EA	30"-18" Reducer, Steel Cable Tray Covers	51.21	12.54
26 05 36 00-2261	EA	30"-24" Reducer, Steel Cable Tray Covers	52.94	12.54
26 05 36 00-2262	EA	36"-12" Reducer, Steel Cable Tray Covers	55.70	13.73
26 05 36 00-2263	EA	36"-18" Reducer, Steel Cable Tray Covers	56.57	13.73
26 05 36 00-2264	EA	36"-24" Reducer, Steel Cable Tray Covers	57.43	13.73
26 05 36 00-2265	EA	36"-30" Reducer, Steel Cable Tray Covers	57.86	13.73
26 05 36 00-2266		Aluminum Covers *(26 05 36 00-2121)*		
26 05 36 00-2267		Ventilated Straight Sections *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	9.17	1.64
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	10.95	1.92
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	12.86	2.19
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	17.11	2.93
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	21.97	3.94
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	24.96	4.85
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	109.56	54.99
26 05 36 00-2275		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	57.91	5.85
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	61.63	6.86
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	67.89	8.15
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	88.50	10.43
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	112.10	13.27
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	132.20	14.73
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	161.10	17.57
26 05 36 00-2283		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	76.68	6.49
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	94.21	7.60
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	105.23	9.15
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	125.99	11.62
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	156.21	14.64
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	189.20	16.83
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	232.02	19.95
26 05 36 00-2291		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	125.09	7.31
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	137.50	8.42
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	157.55	10.43
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	187.66	12.16
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	231.04	16.92
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	266.11	19.12
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	310.55	21.95
26 05 36 00-2299		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	45.36	5.85
		For 60 Degree Bend, Deduct	*-12.71*	
		For 30 Degree Bend, Deduct	*-21.52*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	48.03	6.86
		For 60 Degree Bend, Deduct	*-13.22*	
		For 30 Degree Bend, Deduct	*-22.42*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.51	8.15
		For 60 Degree Bend, Deduct	*-14.88*	
		For 30 Degree Bend, Deduct	*-25.25*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	63.67	9.97
		For 60 Degree Bend, Deduct	*-17.19*	
		For 30 Degree Bend, Deduct	*-29.21*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	71.58	11.53
		For 60 Degree Bend, Deduct	*-19.18*	
		For 30 Degree Bend, Deduct	*-32.62*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	88.07	13.27
		For 60 Degree Bend, Deduct	*-23.96*	
		For 30 Degree Bend, Deduct	*-40.68*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	103.88	14.64
		For 60 Degree Bend, Deduct	*-28.67*	
		For 30 Degree Bend, Deduct	*-48.59*	
26 05 36 00-2307		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	52.11	6.49
		For 60 Degree Bend, Deduct	*-14.71*	
		For 30 Degree Bend, Deduct	*-24.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	64.92	7.60
		For 60 Degree Bend, Deduct	*-18.52*	
		For 30 Degree Bend, Deduct	*-31.29*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	69.67	9.15
		For 60 Degree Bend, Deduct	*-19.47*	
		For 30 Degree Bend, Deduct	*-32.97*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	84.22	10.98
		For 60 Degree Bend, Deduct	*-23.58*	
		For 30 Degree Bend, Deduct	*-39.91*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	102.53	12.54
		For 60 Degree Bend, Deduct	*-29.02*	
		For 30 Degree Bend, Deduct	*-49.06*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	118.59	14.64
		For 60 Degree Bend, Deduct	*-33.51*	
		For 30 Degree Bend, Deduct	*-56.66*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	136.95	16.92
		For 60 Degree Bend, Deduct	*-38.71*	
		For 30 Degree Bend, Deduct	*-65.46*	
26 05 36 00-2315		45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	83.28	7.31
		For 60 Degree Bend, Deduct	*-24.69*	
		For 30 Degree Bend, Deduct	*-41.55*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	91.48	8.42
		For 60 Degree Bend, Deduct	*-26.95*	
		For 30 Degree Bend, Deduct	*-45.38*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	98.95	10.43
		For 60 Degree Bend, Deduct	*-28.66*	
		For 30 Degree Bend, Deduct	*-48.34*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	117.64	11.62
		For 60 Degree Bend, Deduct	*-34.38*	
		For 30 Degree Bend, Deduct	*-57.94*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	142.87	14.18
		For 60 Degree Bend, Deduct	*-41.71*	
		For 30 Degree Bend, Deduct	*-70.30*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	164.14	16.92
		For 60 Degree Bend, Deduct	*-47.68*	
		For 30 Degree Bend, Deduct	*-80.41*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	185.30	18.30
		For 60 Degree Bend, Deduct	*-54.13*	
		For 30 Degree Bend, Deduct	*-91.23*	
26 05 36 00-2323		90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	50.77	5.85
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	52.74	6.86
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	58.48	8.15
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	68.93	9.97
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	75.90	12.90
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	79.91	14.73
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	96.18	17.57
26 05 36 00-2331		90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	57.85	6.49
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	63.88	7.60
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	70.72	9.15
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	85.23	10.98
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	96.82	14.18
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	122.28	16.92
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	135.80	19.95
26 05 36 00-2339		90 Degree, 36" Radius Vertical Risers *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	66.52	7.31
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	81.02	8.42
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	94.80	10.43
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	113.46	11.62
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	137.91	16.19
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	171.98	19.12
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	187.14	21.95
26 05 36 00-2347		12" Radius Horizontal Tees *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	82.85	9.52
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	89.42	10.98
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	100.93	12.90
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	118.59	14.64
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	147.41	16.92
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	180.73	24.34
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	218.12	29.19

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	125.41	9.97
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	140.64	11.62
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	158.81	13.73
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	185.13	15.74
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	283.51	18.30
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	326.07	27.45
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	367.93	33.76
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	216.10	10.43
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	223.20	12.16
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	248.24	14.64
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	281.32	16.92
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	355.43	19.95
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	414.28	31.47
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	474.22	39.80
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	123.99	12.90
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	131.65	13.73
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	145.78	14.64
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	174.60	16.92
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	209.98	24.34
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	249.44	29.19
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	284.43	31.38
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	223.71	13.73
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	239.87	14.64
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	258.34	15.74
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	300.25	18.30
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	367.87	27.45
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	432.70	33.76
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	468.74	36.50
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	346.55	14.64
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	362.93	15.74
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	390.09	16.92
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	430.73	19.95
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	543.92	31.38
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	631.39	39.98
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	690.25	43.92
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9"-6" Reducer, Aluminum Cable Tray Covers	62.69	6.86
26 05 36 00-2397	EA	12"-6" Reducer, Aluminum Cable Tray Covers	66.88	8.15
26 05 36 00-2398	EA	12"-9" Reducer, Aluminum Cable Tray Covers	66.88	8.15
26 05 36 00-2399	EA	18"-6" Reducer, Aluminum Cable Tray Covers	75.20	9.97
26 05 36 00-2400	EA	18"-12" Reducer, Aluminum Cable Tray Covers	75.20	9.97
26 05 36 00-2401	EA	24"-12" Reducer, Aluminum Cable Tray Covers	83.14	10.98
26 05 36 00-2402	EA	24"-18" Reducer, Aluminum Cable Tray Covers	91.48	10.98
26 05 36 00-2403	EA	30"-12" Reducer, Aluminum Cable Tray Covers	96.23	12.54
26 05 36 00-2404	EA	30"-18" Reducer, Aluminum Cable Tray Covers	99.35	12.54
26 05 36 00-2405	EA	30"-24" Reducer, Aluminum Cable Tray Covers	101.48	12.54
26 05 36 00-2406	EA	36"-12" Reducer, Aluminum Cable Tray Covers	106.50	13.73
26 05 36 00-2407	EA	36"-18" Reducer, Aluminum Cable Tray Covers	108.59	13.73
26 05 36 00-2408	EA	36"-24" Reducer, Aluminum Cable Tray Covers	109.63	13.73
26 05 36 00-2409	EA	36"-30" Reducer, Aluminum Cable Tray Covers	110.68	13.73
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	6.04	2.19
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	6.98	2.37
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	8.43	2.75
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	37.85	15.74
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	41.74	16.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	43.75	16.92
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	48.74	17.57
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	47.01	17.57
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	50.36	18.30
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	56.93	19.12
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	67.48	19.95
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	57.10	19.95
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	62.54	20.95
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	69.03	21.95
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	83.50	23.15

26 05 36 00-2428 4" Deep Vertical Dividers *(26 05 36 00-2410)*

26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	41.96	16.28
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	45.48	16.92
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	48.74	17.57
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	54.25	18.30
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	54.25	18.30
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	61.68	19.12
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	67.05	19.95
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	79.84	20.95
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	59.52	19.12
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	64.88	19.95
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	74.65	20.95
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	90.66	21.95

26 05 36 00-2441 6" Deep Vertical Dividers *(26 05 36 00-2410)*

26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	46.68	18.30
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	50.01	19.12
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	54.07	19.95
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	60.81	20.95
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	55.63	19.12
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	63.15	19.95
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	69.03	20.95
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	81.57	21.95
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	60.99	19.95
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	69.03	20.95
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	81.57	21.95
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	96.48	23.15

26 05 36 00-2454 Horizontal Dividers *(26 05 36 00-2410)*

26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	38.79	13.27
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	43.03	14.64
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	50.87	16.28

26 05 36 00-2458 Aluminum Dividers *(26 05 36 00-2121)*

26 05 36 00-2459 Straight Dividers *(26 05 36 00-2458)*

26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	9.23	2.10
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	10.96	2.28
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	13.61	2.57

26 05 36 00-2463 3" Deep Vertical Dividers *(26 05 36 00-2458)*

26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	49.20	15.19
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	54.41	15.74
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	60.13	16.28
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	70.01	16.92
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	67.92	16.92
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	75.30	17.57
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	87.98	18.30
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	110.28	19.12
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	92.50	19.12
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	111.75	19.95
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	136.31	20.95
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	169.41	21.95

26 05 36 00-2476 4" Deep Vertical Dividers *(26 05 36 00-2458)*

26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	59.95	15.74
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	66.30	16.28
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	73.15	16.92
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	82.62	17.57
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	81.57	17.57
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	95.30	18.30
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	108.19	19.12
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	137.89	19.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	112.04	18.30
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	136.42	19.12
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	160.90	19.95
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	195.92	20.95
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	66.30	17.57
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	74.39	18.30
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	77.86	19.12
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	87.69	19.95
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	84.84	18.30
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	106.09	19.12
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	114.89	19.95
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	145.72	20.95
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	114.46	19.12
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	144.17	19.95
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	165.59	20.95
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	193.47	21.95
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	59.02	12.54
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	64.71	13.73
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	80.68	15.19
26 05 36 00-2506		**Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Tray Wall Bracket	47.76	18.30
26 05 36 00-2509	EA	9" Wide Tray Wall Bracket	49.63	19.12
26 05 36 00-2510	EA	12" Wide Tray Wall Bracket	53.57	19.95
26 05 36 00-2511	EA	18" Wide Tray Wall Bracket	56.60	20.95
26 05 36 00-2512	EA	24" Wide Tray Wall Bracket	60.80	21.95
26 05 36 00-2513	EA	30" Wide Tray Wall Bracket	69.65	23.15
26 05 36 00-2514	EA	36" Wide Tray Wall Bracket	80.70	24.70
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.20	2.47
		For 9" Rung Spacing, Add	*0.19*	
		For 6" Rung Spacing, Add	*0.83*	
		For 4" Rung Spacing, Add	*1.52*	
		For 18" Rung Spacing, Deduct	*-0.14*	
		For Solid Bottom, Add	*2.21*	
		For Vented Trough Bottom, Add	*2.67*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	10.29	3.02
		For 9" Rung Spacing, Add	*0.20*	
		For 6" Rung Spacing, Add	*0.86*	
		For 4" Rung Spacing, Add	*1.57*	
		For 18" Rung Spacing, Deduct	*-0.14*	
		For Solid Bottom, Add	*2.40*	
		For Vented Trough Bottom, Add	*2.86*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.37	3.66
		For 9" Rung Spacing, Add	*0.21*	
		For 6" Rung Spacing, Add	*0.88*	
		For 4" Rung Spacing, Add	*1.62*	
		For 18" Rung Spacing, Deduct	*-0.15*	
		For Solid Bottom, Add	*2.59*	
		For Vented Trough Bottom, Add	*3.04*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.65	4.85
		For 9" Rung Spacing, Add	*0.22*	
		For 6" Rung Spacing, Add	*0.95*	
		For 4" Rung Spacing, Add	*1.74*	
		For 18" Rung Spacing, Deduct	*-0.16*	
		For Solid Bottom, Add	*3.00*	
		For Vented Trough Bottom, Add	*3.45*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.91	6.13
		For 9" Rung Spacing, Add	*0.24*	
		For 6" Rung Spacing, Add	*1.01*	
		For 4" Rung Spacing, Add	*1.86*	
		For 18" Rung Spacing, Deduct	*-0.17*	
		For Solid Bottom, Add	*3.40*	
		For Vented Trough Bottom, Add	*3.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.39	6.68
		For 9" Rung Spacing, Add	*0.26*	
		For 6" Rung Spacing, Add	*1.10*	
		For 4" Rung Spacing, Add	*2.02*	
		For 18" Rung Spacing, Deduct	*-0.18*	
		For Solid Bottom, Add	*3.71*	
		For Vented Trough Bottom, Add	*4.19*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	18.91	7.31
		For 9" Rung Spacing, Add	*0.28*	
		For 6" Rung Spacing, Add	*1.19*	
		For 4" Rung Spacing, Add	*2.18*	
		For 18" Rung Spacing, Deduct	*-0.20*	
		For Solid Bottom, Add	*4.03*	
		For Vented Trough Bottom, Add	*4.54*	
26 05 36 00-2525		90 Degree Horizontal Elbows *(26 05 36 00-2516)*		
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	49.87	18.30
		For 9" Rung Spacing, Add	*0.78*	
		For 6" Rung Spacing, Add	*3.36*	
		For 4" Rung Spacing, Add	*6.17*	
		For 18" Rung Spacing, Deduct	*-0.56*	
		For Solid Bottom, Add	*10.84*	
		For Vented Trough Bottom, Add	*12.40*	
		For 60 Degree Bend, Deduct	*-10.14*	
		For 45 Degree Bend, Deduct	*-13.98*	
		For 30 Degree Bend, Deduct	*-17.82*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	55.73	21.32
		For 9" Rung Spacing, Add	*0.83*	
		For 6" Rung Spacing, Add	*3.56*	
		For 4" Rung Spacing, Add	*6.52*	
		For 18" Rung Spacing, Deduct	*-0.59*	
		For Solid Bottom, Add	*11.92*	
		For Vented Trough Bottom, Add	*13.49*	
		For 60 Degree Bend, Deduct	*-11.03*	
		For 45 Degree Bend, Deduct	*-15.24*	
		For 30 Degree Bend, Deduct	*-19.44*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	65.25	26.80
		For 9" Rung Spacing, Add	*0.87*	
		For 6" Rung Spacing, Add	*3.75*	
		For 4" Rung Spacing, Add	*6.87*	
		For 18" Rung Spacing, Deduct	*-0.62*	
		For Solid Bottom, Add	*13.54*	
		For Vented Trough Bottom, Add	*15.03*	
		For 60 Degree Bend, Deduct	*-12.27*	
		For 45 Degree Bend, Deduct	*-17.03*	
		For 30 Degree Bend, Deduct	*-21.80*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	77.20	32.39
		For 9" Rung Spacing, Add	*1.00*	
		For 6" Rung Spacing, Add	*4.31*	
		For 4" Rung Spacing, Add	*7.90*	
		For 18" Rung Spacing, Deduct	*-0.72*	
		For Solid Bottom, Add	*15.89*	
		For Vented Trough Bottom, Add	*17.55*	
		For 60 Degree Bend, Deduct	*-14.32*	
		For 45 Degree Bend, Deduct	*-19.91*	
		For 30 Degree Bend, Deduct	*-25.49*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	87.37	37.24
		For 9" Rung Spacing, Add	*1.10*	
		For 6" Rung Spacing, Add	*4.73*	
		For 4" Rung Spacing, Add	*8.68*	
		For 18" Rung Spacing, Deduct	*-0.79*	
		For Solid Bottom, Add	*17.84*	
		For Vented Trough Bottom, Add	*19.60*	
		For 60 Degree Bend, Deduct	*-16.00*	
		For 45 Degree Bend, Deduct	*-22.26*	
		For 30 Degree Bend, Deduct	*-28.52*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	95.75	39.71
		For 9" Rung Spacing, Add	*1.27*	
		For 6" Rung Spacing, Add	*5.44*	
		For 4" Rung Spacing, Add	*9.98*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*19.80*	
		For Vented Trough Bottom, Add	*21.95*	
		For 60 Degree Bend, Deduct	*-17.92*	
		For 45 Degree Bend, Deduct	*-24.88*	
		For 30 Degree Bend, Deduct	*-31.85*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	105.72	42.73
		For 9" Rung Spacing, Add	*1.46*	
		For 6" Rung Spacing, Add	*6.25*	
		For 4" Rung Spacing, Add	*11.46*	
		For 18" Rung Spacing, Deduct	*-1.04*	
		For Solid Bottom, Add	*22.11*	
		For Vented Trough Bottom, Add	*24.67*	
		For 60 Degree Bend, Deduct	*-20.16*	
		For 45 Degree Bend, Deduct	*-27.94*	
		For 30 Degree Bend, Deduct	*-35.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533		**Inside Or Outside Vertical Risers** *(26 05 36 00-2516)*		
26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	73.30	18.30
		For 9" Rung Spacing, Add	*1.60*	
		For 6" Rung Spacing, Add	*6.88*	
		For 4" Rung Spacing, Add	*12.61*	
		For 18" Rung Spacing, Deduct	*-1.15*	
		For Solid Bottom, Add	*17.87*	
		For Vented Trough Bottom, Add	*21.77*	
		For 60 Degree Bend, Deduct	*-17.88*	
		For 45 Degree Bend, Deduct	*-24.29*	
		For 30 Degree Bend, Deduct	*-30.71*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	78.52	21.32
		For 9" Rung Spacing, Add	*1.63*	
		For 6" Rung Spacing, Add	*6.98*	
		For 4" Rung Spacing, Add	*12.79*	
		For 18" Rung Spacing, Deduct	*-1.16*	
		For Solid Bottom, Add	*18.75*	
		For Vented Trough Bottom, Add	*22.60*	
		For 60 Degree Bend, Deduct	*-18.55*	
		For 45 Degree Bend, Deduct	*-25.26*	
		For 30 Degree Bend, Deduct	*-31.98*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	87.39	26.80
		For 9" Rung Spacing, Add	*1.65*	
		For 6" Rung Spacing, Add	*7.07*	
		For 4" Rung Spacing, Add	*12.96*	
		For 18" Rung Spacing, Deduct	*-1.18*	
		For Solid Bottom, Add	*20.18*	
		For Vented Trough Bottom, Add	*23.88*	
		For 60 Degree Bend, Deduct	*-19.58*	
		For 45 Degree Bend, Deduct	*-26.78*	
		For 30 Degree Bend, Deduct	*-33.97*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	97.05	32.39
		For 9" Rung Spacing, Add	*1.70*	
		For 6" Rung Spacing, Add	*7.28*	
		For 4" Rung Spacing, Add	*13.35*	
		For 18" Rung Spacing, Deduct	*-1.21*	
		For Solid Bottom, Add	*21.84*	
		For Vented Trough Bottom, Add	*25.49*	
		For 60 Degree Bend, Deduct	*-20.87*	
		For 45 Degree Bend, Deduct	*-28.64*	
		For 30 Degree Bend, Deduct	*-36.41*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	105.65	37.24
		For 9" Rung Spacing, Add	*1.74*	
		For 6" Rung Spacing, Add	*7.48*	
		For 4" Rung Spacing, Add	*13.71*	
		For 18" Rung Spacing, Deduct	*-1.25*	
		For Solid Bottom, Add	*23.32*	
		For Vented Trough Bottom, Add	*26.91*	
		For 60 Degree Bend, Deduct	*-22.03*	
		For 45 Degree Bend, Deduct	*-30.30*	
		For 30 Degree Bend, Deduct	*-38.57*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	110.60	39.71
		For 9" Rung Spacing, Add	*1.79*	
		For 6" Rung Spacing, Add	*7.67*	
		For 4" Rung Spacing, Add	*14.06*	
		For 18" Rung Spacing, Deduct	*-1.28*	
		For Solid Bottom, Add	*24.26*	
		For Vented Trough Bottom, Add	*27.89*	
		For 60 Degree Bend, Deduct	*-22.82*	
		For 45 Degree Bend, Deduct	*-31.42*	
		For 30 Degree Bend, Deduct	*-40.02*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	120.53	42.73
		For 9" Rung Spacing, Add	*1.98*	
		For 6" Rung Spacing, Add	*8.47*	
		For 4" Rung Spacing, Add	*15.53*	
		For 18" Rung Spacing, Deduct	*-1.41*	
		For Solid Bottom, Add	*26.55*	
		For Vented Trough Bottom, Add	*30.60*	
		For 60 Degree Bend, Deduct	*-25.04*	
		For 45 Degree Bend, Deduct	*-34.46*	
		For 30 Degree Bend, Deduct	*-43.87*	
26 05 36 00-2541		**Horizontal Tees** *(26 05 36 00-2516)*		
26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	108.18	45.75
		For 9" Rung Spacing, Add	*1.38*	
		For 6" Rung Spacing, Add	*5.93*	
		For 4" Rung Spacing, Add	*10.88*	
		For 18" Rung Spacing, Deduct	*-0.99*	
		For Solid Bottom, Add	*22.16*	
		For Vented Trough Bottom, Add	*24.40*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	121.65	53.71
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.17*	
		For 4" Rung Spacing, Add	*11.31*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*24.42*	
		For Vented Trough Bottom, Add	*26.52*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	138.77	64.05
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.41*	
		For 4" Rung Spacing, Add	*11.74*	
		For 18" Rung Spacing, Deduct	*-1.07*	
		For Solid Bottom, Add	*27.22*	
		For Vented Trough Bottom, Add	*29.09*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	154.95	72.01
		For 9" Rung Spacing, Add	*1.64*	
		For 6" Rung Spacing, Add	*7.05*	
		For 4" Rung Spacing, Add	*12.92*	
		For 18" Rung Spacing, Deduct	*-1.17*	
		For Solid Bottom, Add	*30.29*	
		For Vented Trough Bottom, Add	*32.29*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	162.96	75.03
		For 9" Rung Spacing, Add	*1.76*	
		For 6" Rung Spacing, Add	*7.56*	
		For 4" Rung Spacing, Add	*13.87*	
		For 18" Rung Spacing, Deduct	*-1.26*	
		For Solid Bottom, Add	*32.01*	
		For Vented Trough Bottom, Add	*34.24*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	174.64	79.33
		For 9" Rung Spacing, Add	*1.95*	
		For 6" Rung Spacing, Add	*8.36*	
		For 4" Rung Spacing, Add	*15.32*	
		For 18" Rung Spacing, Deduct	*-1.39*	
		For Solid Bottom, Add	*34.55*	
		For Vented Trough Bottom, Add	*37.15*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	189.63	85.45
		For 9" Rung Spacing, Add	*2.15*	
		For 6" Rung Spacing, Add	*9.23*	
		For 4" Rung Spacing, Add	*16.92*	
		For 18" Rung Spacing, Deduct	*-1.54*	
		For Solid Bottom, Add	*37.67*	
		For Vented Trough Bottom, Add	*40.62*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	169.64	79.33
		For 9" Rung Spacing, Add	*1.77*	
		For 6" Rung Spacing, Add	*7.61*	
		For 4" Rung Spacing, Add	*13.94*	
		For 18" Rung Spacing, Deduct	*-1.27*	
		For Solid Bottom, Add	*33.05*	
		For Vented Trough Bottom, Add	*35.15*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	180.30	85.45
		For 9" Rung Spacing, Add	*1.83*	
		For 6" Rung Spacing, Add	*7.83*	
		For 4" Rung Spacing, Add	*14.36*	
		For 18" Rung Spacing, Deduct	*-1.31*	
		For Solid Bottom, Add	*34.88*	
		For Vented Trough Bottom, Add	*36.90*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	190.95	91.59
		For 9" Rung Spacing, Add	*1.88*	
		For 6" Rung Spacing, Add	*8.06*	
		For 4" Rung Spacing, Add	*14.77*	
		For 18" Rung Spacing, Deduct	*-1.34*	
		For Solid Bottom, Add	*36.70*	
		For Vented Trough Bottom, Add	*38.64*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	204.39	97.63
		For 9" Rung Spacing, Add	*2.03*	
		For 6" Rung Spacing, Add	*8.70*	
		For 4" Rung Spacing, Add	*15.95*	
		For 18" Rung Spacing, Deduct	*-1.45*	
		For Solid Bottom, Add	*39.36*	
		For Vented Trough Bottom, Add	*41.50*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	216.82	103.76
		For 9" Rung Spacing, Add	*2.14*	
		For 6" Rung Spacing, Add	*9.19*	
		For 4" Rung Spacing, Add	*16.85*	
		For 18" Rung Spacing, Deduct	*-1.53*	
		For Solid Bottom, Add	*41.71*	
		For Vented Trough Bottom, Add	*43.95*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	231.39	109.88
		For 9" Rung Spacing, Add	*2.33*	
		For 6" Rung Spacing, Add	*10.01*	
		For 4" Rung Spacing, Add	*18.34*	
		For 18" Rung Spacing, Deduct	*-1.67*	
		For Solid Bottom, Add	*44.71*	
		For Vented Trough Bottom, Add	*47.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	250.28	117.76
		For 9" Rung Spacing, Add	*2.58*	
		For 6" Rung Spacing, Add	*11.05*	
		For 4" Rung Spacing, Add	*20.26*	
		For 18" Rung Spacing, Deduct	*-1.84*	
		For Solid Bottom, Add	*48.59*	
		For Vented Trough Bottom, Add	*51.55*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	104.18	45.75
		For 9" Rung Spacing, Add	*1.24*	
		For 6" Rung Spacing, Add	*5.33*	
		For 4" Rung Spacing, Add	*9.78*	
		For 18" Rung Spacing, Deduct	*-0.89*	
		For Solid Bottom, Add	*20.96*	
		For Vented Trough Bottom, Add	*22.80*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	110.20	48.86
		For 9" Rung Spacing, Add	*1.30*	
		For 6" Rung Spacing, Add	*5.55*	
		For 4" Rung Spacing, Add	*10.18*	
		For 18" Rung Spacing, Deduct	*-0.93*	
		For Solid Bottom, Add	*22.08*	
		For Vented Trough Bottom, Add	*23.95*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	134.49	64.05
		For 9" Rung Spacing, Add	*1.34*	
		For 6" Rung Spacing, Add	*5.76*	
		For 4" Rung Spacing, Add	*10.57*	
		For 18" Rung Spacing, Deduct	*-0.96*	
		For Solid Bottom, Add	*25.94*	
		For Vented Trough Bottom, Add	*27.38*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	150.25	72.01
		For 9" Rung Spacing, Add	*1.48*	
		For 6" Rung Spacing, Add	*6.34*	
		For 4" Rung Spacing, Add	*11.63*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*28.88*	
		For Vented Trough Bottom, Add	*30.41*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	157.81	75.03
		For 9" Rung Spacing, Add	*1.58*	
		For 6" Rung Spacing, Add	*6.79*	
		For 4" Rung Spacing, Add	*12.45*	
		For 18" Rung Spacing, Deduct	*-1.13*	
		For Solid Bottom, Add	*30.46*	
		For Vented Trough Bottom, Add	*32.18*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	169.07	79.33
		For 9" Rung Spacing, Add	*1.75*	
		For 6" Rung Spacing, Add	*7.52*	
		For 4" Rung Spacing, Add	*13.79*	
		For 18" Rung Spacing, Deduct	*-1.25*	
		For Solid Bottom, Add	*32.88*	
		For Vented Trough Bottom, Add	*34.92*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	183.48	85.45
		For 9" Rung Spacing, Add	*1.94*	
		For 6" Rung Spacing, Add	*8.31*	
		For 4" Rung Spacing, Add	*15.23*	
		For 18" Rung Spacing, Deduct	*-1.38*	
		For Solid Bottom, Add	*35.83*	
		For Vented Trough Bottom, Add	*38.16*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9"-6" Reducer, Fiberglass Cable Tray	47.59	18.30
		For 9" Rung Spacing, Add	*0.70*	
		For 6" Rung Spacing, Add	*3.02*	
		For 4" Rung Spacing, Add	*5.54*	
		For 18" Rung Spacing, Deduct	*-0.50*	
		For Solid Bottom, Add	*10.16*	
		For Vented Trough Bottom, Add	*11.49*	
26 05 36 00-2567	EA	12"-9" Reducer, Fiberglass Cable Tray	52.45	21.32
		For 9" Rung Spacing, Add	*0.72*	
		For 6" Rung Spacing, Add	*3.06*	
		For 4" Rung Spacing, Add	*5.62*	
		For 18" Rung Spacing, Deduct	*-0.51*	
		For Solid Bottom, Add	*10.93*	
		For Vented Trough Bottom, Add	*12.17*	
26 05 36 00-2568	EA	18"-12" Reducer, Fiberglass Cable Tray	57.30	24.43
		For 9" Rung Spacing, Add	*0.72*	
		For 6" Rung Spacing, Add	*3.11*	
		For 4" Rung Spacing, Add	*5.70*	
		For 18" Rung Spacing, Deduct	*-0.52*	
		For Solid Bottom, Add	*11.70*	
		For Vented Trough Bottom, Add	*12.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2569	EA	24"-18" Reducer, Fiberglass Cable Tray	61.68	26.80
		For 9" Rung Spacing, Add	*0.75*	
		For 6" Rung Spacing, Add	*3.21*	
		For 4" Rung Spacing, Add	*5.89*	
		For 18" Rung Spacing, Deduct	*-0.54*	
		For Solid Bottom, Add	*12.47*	
		For Vented Trough Bottom, Add	*13.60*	
26 05 36 00-2570	EA	30"-24" Reducer, Fiberglass Cable Tray	68.92	29.28
		For 9" Rung Spacing, Add	*0.88*	
		For 6" Rung Spacing, Add	*3.75*	
		For 4" Rung Spacing, Add	*6.88*	
		For 18" Rung Spacing, Deduct	*-0.63*	
		For Solid Bottom, Add	*14.09*	
		For Vented Trough Bottom, Add	*15.49*	
26 05 36 00-2571	EA	36"-30" Reducer, Fiberglass Cable Tray	77.52	32.39
		For 9" Rung Spacing, Add	*1.02*	
		For 6" Rung Spacing, Add	*4.35*	
		For 4" Rung Spacing, Add	*7.98*	
		For 18" Rung Spacing, Deduct	*-0.73*	
		For Solid Bottom, Add	*15.98*	
		For Vented Trough Bottom, Add	*17.67*	
26 05 36 00-2572		Vertical Tees *(26 05 36 00-2516)*		
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	144.17	45.75
		For 9" Rung Spacing, Add	*2.64*	
		For 6" Rung Spacing, Add	*11.33*	
		For 4" Rung Spacing, Add	*20.78*	
		For 18" Rung Spacing, Deduct	*-1.89*	
		For Solid Bottom, Add	*32.96*	
		For Vented Trough Bottom, Add	*38.80*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	149.68	48.86
		For 9" Rung Spacing, Add	*2.68*	
		For 6" Rung Spacing, Add	*11.47*	
		For 4" Rung Spacing, Add	*21.03*	
		For 18" Rung Spacing, Deduct	*-1.91*	
		For Solid Bottom, Add	*33.93*	
		For Vented Trough Bottom, Add	*39.74*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	173.47	64.05
		For 9" Rung Spacing, Add	*2.71*	
		For 6" Rung Spacing, Add	*11.61*	
		For 4" Rung Spacing, Add	*21.29*	
		For 18" Rung Spacing, Deduct	*-1.94*	
		For Solid Bottom, Add	*37.63*	
		For Vented Trough Bottom, Add	*42.97*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	187.52	72.01
		For 9" Rung Spacing, Add	*2.78*	
		For 6" Rung Spacing, Add	*11.93*	
		For 4" Rung Spacing, Add	*21.88*	
		For 18" Rung Spacing, Deduct	*-1.99*	
		For Solid Bottom, Add	*40.06*	
		For Vented Trough Bottom, Add	*45.32*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	194.09	75.03
		For 9" Rung Spacing, Add	*2.85*	
		For 6" Rung Spacing, Add	*12.23*	
		For 4" Rung Spacing, Add	*22.43*	
		For 18" Rung Spacing, Deduct	*-2.04*	
		For Solid Bottom, Add	*41.35*	
		For Vented Trough Bottom, Add	*46.69*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	202.35	79.33
		For 9" Rung Spacing, Add	*2.92*	
		For 6" Rung Spacing, Add	*12.51*	
		For 4" Rung Spacing, Add	*22.94*	
		For 18" Rung Spacing, Deduct	*-2.09*	
		For Solid Bottom, Add	*42.86*	
		For Vented Trough Bottom, Add	*48.23*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	220.25	85.45
		For 9" Rung Spacing, Add	*3.23*	
		For 6" Rung Spacing, Add	*13.82*	
		For 4" Rung Spacing, Add	*25.34*	
		For 18" Rung Spacing, Deduct	*-2.30*	
		For Solid Bottom, Add	*46.86*	
		For Vented Trough Bottom, Add	*52.87*	
26 05 36 00-2580		Flextray™ Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-2581		Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*		
		Note: Includes splicing and splice bars.		
26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	17.20	5.76
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.38	6.15
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	22.45	6.42
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.60	6.75
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.25	7.08
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.08	7.42
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.73	7.74

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.78	7.96
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.41	8.18
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	22.38	6.77
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.30	7.04
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.31	7.42
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.92	7.78
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.68	8.15
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.00	8.51
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.82	8.79
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.16	8.97
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.34	9.61
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.20	8.15
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.04	8.51
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.56	8.88
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.18	9.33
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.38	9.52
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.60	9.79

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	12.92	4.30
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	16.04	4.58
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	22.45	6.40
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	35.45	10.16
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	50.51	14.18
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	67.73	18.58
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	78.01	23.24
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	93.00	27.91
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	117.62	32.76
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	16.75	5.03
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	24.33	7.04
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	39.46	11.16
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	55.84	15.55
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	74.16	20.40
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	89.75	25.53
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	108.71	30.65
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	140.66	35.96
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	221.79	48.04
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	43.74	12.16
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	66.10	17.01
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	86.40	22.24
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	104.00	27.91
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	123.11	33.40
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	186.37	39.25

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	32.48	12.07
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	34.52	12.07
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	38.00	12.07
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	46.15	13.18
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	49.19	13.18
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	50.21	13.18
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	51.11	13.18

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0001		**Underfloor Ducts** *(26 05 39)*		
26 05 39 00-0002		**Straight Duct Sections 10' Long, 14 Gauge Steel** *(26 05 39 00-0001)*		
26 05 39 00-0003		**Standard Ducts, 3.8 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	61.74	16.10
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	76.49	18.85
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	97.28	20.40
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	110.72	22.60
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	149.11	32.02
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	167.07	34.31
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	248.59	32.02
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	180.05	34.31
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	277.66	45.11
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	377.09	49.04
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	537.65	32.39
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	616.05	34.31
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	69.45	11.80
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	71.23	11.80
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	43.50	11.80
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	44.21	11.80
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	43.50	13.73
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	44.21	13.73
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	32.57	18.30
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	52.16	18.30
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	64.47	18.30
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	65.36	19.31
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	47.53	2.75
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	75.54	38.43
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	84.89	38.43
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	94.32	38.43
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	84.89	43.01
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	103.96	43.01
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	94.32	45.75
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	94.32	45.75
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	103.96	45.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	66.89	33.86
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	78.47	33.86
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	90.54	33.86
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	18.48	2.75
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	18.97	2.75
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	20.61	4.58
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	22.08	4.58
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	21.55	4.58
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	22.51	4.58
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	144.44	38.43
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	247.25	38.43
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	2.01	0.91
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	52.99	5.02

26 05 43 Underground Ducts And Raceways For Electrical Systems *(26 05)*

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001		**Precast Concrete Trenches, One Piece Pedestrian Trench** *(26 05 43)* Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		**10" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	53.88	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	51.73	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	74.82	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	71.84	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	38.00	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	45.97	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	35.92	
26 05 43 00-0010		**20" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	68.86	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	65.07	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	93.88	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	90.42	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	48.17	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	70.11	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	44.92	
26 05 43 00-0018		**30" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	89.43	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	103.33	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	111.57	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	107.64	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	69.58	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	93.01	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	55.88	
26 05 43 00-0026		**40" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	107.95	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	104.37	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	132.04	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	127.66	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	89.06	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	118.94	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	66.37	
26 05 43 00-0034		**Precast Concrete Trenches, One Piece Medium Vehicle Trench** *(26 05 43)* Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0035		**10" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	64.41	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	61.63	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	89.42	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	85.58	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	43.85	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	52.11	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	42.94	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	179.26	
26 05 43 00-0044		**20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	81.71	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	76.82	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	110.83	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	106.36	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	54.94	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	80.07	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	53.70	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	237.55	
26 05 43 00-0053		**30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	85.53	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	100.62	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	130.86	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	125.77	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	78.92	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	106.84	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	67.00	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	296.40	
26 05 43 00-0062		**40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	125.49	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	120.86	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	153.55	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	147.87	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	101.02	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	136.60	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	79.22	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	402.60	
26 05 43 00-0071		**Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)*		
		Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072		**10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	133.83	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	127.59	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	167.84	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	159.97	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	128.69	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	122.75	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	162.70	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	155.14	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	90.12	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	122.13	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	81.96	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	113.80	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	62.74	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	194.33	
26 05 43 00-0087		**20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	143.42	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	137.02	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	190.53	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	181.97	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	143.42	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	137.02	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	185.39	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	177.15	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	128.52	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	175.45	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	116.64	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	163.57	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	70.40	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	287.72	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0102		30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	171.48	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	164.16	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	211.84	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	202.75	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	166.34	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	159.32	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	206.70	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	197.75	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	172.52	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	227.39	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	156.92	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	211.79	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	88.84	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	360.63	
26 05 43 00-0117		40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	191.05	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	183.18	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	235.04	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	225.17	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	185.91	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	178.35	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	229.90	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	220.33	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	214.48	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	282.50	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	195.34	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	263.36	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	107.50	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	490.00	
26 05 43 00-0132		Duct Bank *(26 05 43)*		
		Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0133		Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(26 05 43 00-0132)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0134	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	22.14	
26 05 43 00-0135	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	44.30	
26 05 43 00-0136	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	45.19	
26 05 43 00-0137	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	90.64	
26 05 43 00-0138	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	66.44	
26 05 43 00-0139	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	133.72	
26 05 43 00-0140	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	201.31	
26 05 43 00-0141	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	121.88	
26 05 43 00-0142	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	242.92	
26 05 43 00-0143	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	375.14	
26 05 43 00-0144	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	173.50	
26 05 43 00-0145	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	348.21	
26 05 43 00-0146	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	517.26	
26 05 43 00-0147		Polyvinyl Chloride (PVC), Type EB Duct Bank System *(26 05 43 00-0132)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0148	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	5.99	
26 05 43 00-0149	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.16	
26 05 43 00-0150	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	25.27	
26 05 43 00-0151	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	7.95	
26 05 43 00-0152	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.86	
26 05 43 00-0153	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	32.21	
26 05 43 00-0154	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	10.65	
26 05 43 00-0155	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.31	
26 05 43 00-0156	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	42.67	
26 05 43 00-0157	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	63.98	
26 05 43 00-0158	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.50	
26 05 43 00-0159	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	26.99	
26 05 43 00-0160	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	52.27	
26 05 43 00-0161	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	74.22	
26 05 43 00-0162	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	23.87	
26 05 43 00-0163	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.59	
26 05 43 00-0164	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	73.36	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0165	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	118.41	
26 05 43 00-0166		Polyvinyl Chloride (PVC), Type DB Duct Bank System *(26 05 43 00-0132)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0167	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.65	
26 05 43 00-0168	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.54	
26 05 43 00-0169	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.86	
26 05 43 00-0170	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.26	
26 05 43 00-0171	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.50	
26 05 43 00-0172	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	32.88	
26 05 43 00-0173	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.92	
26 05 43 00-0174	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.86	
26 05 43 00-0175	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	43.76	
26 05 43 00-0176	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	65.62	
26 05 43 00-0177	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.92	
26 05 43 00-0178	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.81	
26 05 43 00-0179	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.91	
26 05 43 00-0180	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	76.68	
26 05 43 00-0181	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	24.44	
26 05 43 00-0182	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.77	
26 05 43 00-0183	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	75.72	
26 05 43 00-0184	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	121.95	
26 05 43 00-0185		Male Or Female Adapters *(26 05 43 00-0132)*		
26 05 43 00-0186	EA	2" Adapter	31.22	
26 05 43 00-0187	EA	3" Adapter	44.59	
26 05 43 00-0188	EA	4" Adapter	57.48	
26 05 43 00-0189	EA	5" Adapter	86.69	
26 05 43 00-0190	EA	6" Adapter	107.51	
26 05 46		Utility Poles for Electrical Systems *(26 05)*		
26 05 46 00-0001		Wood Poles *(26 05 46)*		
26 05 46 00-0002		Wood Pole, Class 3, Penta-Treated To 8 LB Retention *(26 05 46 00-0001)*		
		Note: Machine dig and set.		
26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	686.18	238.25
		For Class 1 Pole, Add	*73.36*	
		For Class 2 Pole, Add	*41.92*	
		For Class 4 Pole, Deduct	*-20.96*	
		For Class 5 Pole, Deduct	*-62.88*	
		For Class 6 Pole, Deduct	*-83.84*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	813.29	264.34
		For Class 1 Pole, Add	*99.60*	
		For Class 2 Pole, Add	*56.91*	
		For Class 4 Pole, Deduct	*-28.46*	
		For Class 5 Pole, Deduct	*-85.37*	
		For Class 6 Pole, Deduct	*-113.83*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,056.98	349.61
		For Class 1 Pole, Add	*125.24*	
		For Class 2 Pole, Add	*71.57*	
		For Class 4 Pole, Deduct	*-35.78*	
		For Class 5 Pole, Deduct	*-107.35*	
		For Class 6 Pole, Deduct	*-143.14*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,203.57	384.54
		For Class 1 Pole, Add	*152.08*	
		For Class 2 Pole, Add	*86.90*	
		For Class 4 Pole, Deduct	*-43.45*	
		For Class 5 Pole, Deduct	*-130.36*	
		For Class 6 Pole, Deduct	*-173.81*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,371.27	428.30
		For Class 1 Pole, Add	*180.11*	
		For Class 2 Pole, Add	*102.92*	
		For Class 4 Pole, Deduct	*-51.46*	
		For Class 5 Pole, Deduct	*-154.38*	
		For Class 6 Pole, Deduct	*-205.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	1,557.72	480.68
		For Class 1 Pole, Add	*208.74*	
		For Class 2 Pole, Add	*119.28*	
		For Class 4 Pole, Deduct	*-59.64*	
		For Class 5 Pole, Deduct	*-178.92*	
		For Class 6 Pole, Deduct	*-238.56*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	1,739.06	528.69
		For Class 1 Pole, Add	*238.56*	
		For Class 2 Pole, Add	*136.32*	
		For Class 4 Pole, Deduct	*-68.16*	
		For Class 5 Pole, Deduct	*-204.48*	
		For Class 6 Pole, Deduct	*-272.64*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0010		EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	1,939.86	581.38
			For Class 1 Pole, Add	*271.96*	
			For Class 2 Pole, Add	*155.41*	
			For Class 4 Pole, Deduct	*-77.70*	
			For Class 5 Pole, Deduct	*-233.11*	
			For Class 6 Pole, Deduct	*-310.81*	
26 05 46 00-0011		EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	3,057.76	633.66
			For Class 1 Pole, Add	*626.64*	
			For Class 2 Pole, Add	*358.08*	
			For Class 4 Pole, Deduct	*-179.04*	
			For Class 5 Pole, Deduct	*-537.12*	
			For Class 6 Pole, Deduct	*-716.16*	
26 05 46 00-0012		EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	3,349.76	674.05
			For Class 1 Pole, Add	*700.57*	
			For Class 2 Pole, Add	*400.32*	
			For Class 4 Pole, Deduct	*-200.16*	
			For Class 5 Pole, Deduct	*-600.49*	
			For Class 6 Pole, Deduct	*-800.65*	
26 05 46 00-0013		EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	3,674.35	719.94
			For Class 1 Pole, Add	*782.05*	
			For Class 2 Pole, Add	*446.88*	
			For Class 4 Pole, Deduct	*-223.44*	
			For Class 5 Pole, Deduct	*-670.33*	
			For Class 6 Pole, Deduct	*-893.77*	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*		
26 05 46 00-0015		LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	20.30	
26 05 46 00-0016			Crossarms *(26 05 46)*		
			Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0018		EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	161.76	71.06
26 05 46 00-0019		EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	196.77	71.06
26 05 46 00-0020		EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	207.26	91.36
26 05 46 00-0021			Wood Double Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0022		EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	420.89	197.96
26 05 46 00-0023		EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	446.96	197.96
26 05 46 00-0024		EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	466.53	197.96
26 05 46 00-0025			Fiberglass Crossarms *(26 05 46 00-0016)*		
			Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0027		EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	187.21	
26 05 46 00-0028		EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	237.82	42.64
26 05 46 00-0029		EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	247.97	45.69
26 05 46 00-0030			Two Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0031		EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	296.99	54.82
26 05 46 00-0032			Fiberglass Crossarm Accessories *(26 05 46 00-0025)*		
26 05 46 00-0033		EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	430.34	70.05
26 05 46 00-0034		EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	511.92	85.27
26 05 46 00-0035		EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	74.85	12.18
26 05 46 00-0036		EA	Three Phase Equipment Mounting Bracket	374.22	60.91
26 05 46 00-0037		EA	Fiberglass Bull Horn Crossarm	305.74	101.51
26 05 46 00-0038			Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)*		
			Note: Includes hardware.		
26 05 46 00-0040		EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	91.96	
26 05 46 00-0041		EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	72.83	
26 05 46 00-0042		EA	Deadend Arms, In Place Mounting	191.47	
26 05 46 00-0043		EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	142.90	
26 05 46 00-0044			Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)*		
			Note: Includes hardware.		
26 05 46 00-0045		EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	62.58	
26 05 46 00-0046		EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	53.25	
26 05 46 00-0047		EA	Deadend Arms, Grounding Mounting	171.89	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		**Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	671.86	284.24
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	681.84	284.24
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	702.36	284.24
26 05 46 00-0053	EA	Guy Guard, Plastic	23.52	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	983.31	436.51
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	983.31	436.51
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	983.31	436.51
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	429.27	213.18
26 05 46 00-0060		**Pole Anchor** *(26 05 46 00-0048)* Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	63.66	
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	68.80	
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	80.91	
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	102.13	
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	134.13	
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	180.72	
26 05 46 00-0067		**Insulators** *(26 05 46)*		
26 05 46 00-0068		**Pin Insulator With Pin** *(26 05 46 00-0067)*		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin	139.06	60.91
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin	144.66	60.91
26 05 46 00-0071		**Suspension Insulator** *(26 05 46 00-0067)* Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	179.03	81.21
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	194.26	81.21
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	277.34	101.51
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	446.03	162.42
26 05 46 00-0076		**Spool Insulator With Clevis** *(26 05 46 00-0067)*		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis	59.61	25.38
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis	192.73	91.36
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis	249.51	91.36
26 05 46 00-0080		**Secondary Rack** *(26 05 46 00-0067)*		
26 05 46 00-0081	EA	1 Spool Secondary Rack	118.13	50.76
26 05 46 00-0082	EA	2 Spool Secondary Rack	123.05	64.77
26 05 46 00-0083	EA	3 Spool Secondary Rack	184.04	86.29
26 05 46 00-0084	EA	4 Spool Secondary Rack	206.21	86.29
26 05 46 00-0085		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0087	EA	600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,950.23	345.15
26 05 46 00-0088	EA	1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,941.45	345.15
26 05 46 00-0089	EA	1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,829.99	583.71
26 05 46 00-0090	EA	2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,039.89	583.71
26 05 46 00-0091		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0092	EA	600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,116.13	345.15
26 05 46 00-0093	EA	1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,812.57	345.15
26 05 46 00-0094	EA	1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,829.99	583.71
26 05 46 00-0095	EA	2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,039.89	583.71
26 05 46 00-0096		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0097	EA	600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,724.80	400.99
26 05 46 00-0098	EA	1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,909.49	400.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0099	EA	1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,418.71	690.30
26 05 46 00-0100	EA	2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,635.50	690.30
26 05 46 00-0101		Square Distribution Poles *(26 05 46)*		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	2,252.15	431.44
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	2,519.80	456.81
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	2,738.74	507.57
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	3,028.90	558.33
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	4,045.76	609.09
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	3,300.40	764.55
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	3,704.38	838.55
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	4,328.55	937.20
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	4,872.30	1,035.85
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	4,832.09	1,257.81
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	6,866.34	1,479.78
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	8,078.30	1,677.08
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	9,765.84	2,071.69
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	10,925.10	2,268.99
26 05 46 00-0118		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,275.18	380.68
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,153.92	406.06
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,624.62	456.81
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,290.64	507.57
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,440.38	558.33
26 05 46 00-0125		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole *(26 05 46 00-0125)*		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	3,211.75	609.09
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	3,715.14	659.84
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	3,960.94	710.60
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	4,656.31	812.11
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	5,727.48	913.64
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	6,790.94	1,159.16
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	7,568.66	1,315.03
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	8,371.68	1,479.78
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	9,405.35	1,677.08
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	10,046.88	1,775.73
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	10,920.05	1,973.03
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	12,016.91	2,219.66
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	13,294.39	2,515.63
26 05 46 00-0140		12 Sided Tapered *(26 05 46 00-0125)*		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,348.56	609.09
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,898.26	659.84
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,525.23	710.60
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,180.13	812.11
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,487.23	913.64
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,573.82	1,159.16
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,240.93	1,315.03
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,191.21	1,479.78
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,218.83	1,677.08
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,065.70	1,775.73
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,091.02	1,973.03
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,170.58	2,219.66
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,488.46	2,515.63
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,892.63	2,811.58
26 05 46 00-0155		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0125)*		
26 05 46 00-0156	EA	Ladder Clips	24.79	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	186.04	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line	187.12	
26 05 46 00-0159		Arms With Baseplates And Endplates *(26 05 46 00-0125)*		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate	493.31	101.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate	532.67	101.51
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate	674.32	152.27
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate	708.75	152.27
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate	848.87	203.03
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate	888.21	203.03
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate	1,171.78	253.79
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate	1,215.94	253.79
26 05 46 00-0168		Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0125)*		
26 05 46 00-0169	EA	15,000 LB Standard Vangs Load Bearing At Any Angle	235.49	101.51
26 05 46 00-0170	EA	30,000 LB Standard Vangs Load Bearing At Any Angle	259.60	101.51
26 05 46 00-0171	EA	45,000 LB Standard Vangs Load Bearing At Any Angle	292.58	101.51
26 05 46 00-0172		Armless Construction Brackets *(26 05 46 00-0125)*		
26 05 46 00-0173		Verticals Insulator And Equipment Bracket *(26 05 46 00-0172)*		
26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket	239.42	101.51
26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket	254.65	101.51
26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket	279.38	101.51
26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket	397.22	152.27
26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket	411.66	152.27
26 05 46 00-0179		Horizontal And Multiple Insulator Brackets *(26 05 46 00-0172)*		
26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	227.57	101.51
26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	259.56	101.51
26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	381.72	152.27
26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	457.23	152.27
26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	590.07	203.03
26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	630.14	203.03
26 05 46 00-0186		Pole Top Bracket And Pins *(26 05 46 00-0172)*		
26 05 46 00-0187	EA	Pole Top Pin - 5"	232.21	101.51
26 05 46 00-0188	EA	Pole Top Bracket - 5"	239.98	101.51
26 05 46 00-0189		Angle Pins *(26 05 46 00-0172)*		
26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6"	231.16	101.51
26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4"	256.39	101.51
26 05 46 00-0192		Static And Neutral Wire Brackets *(26 05 46 00-0172)*		
26 05 46 00-0193	EA	Neutral Wire Extension Bracket	242.97	101.51
26 05 46 00-0194	EA	Static Wire Support Bracket	245.83	101.51
26 05 46 00-0195		Cutout, Arrestor And Terminator Brackets *(26 05 46 00-0172)*		
26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket	239.94	101.51
26 05 46 00-0197	EA	Equipment Mounting T Bracket	264.09	101.51
26 05 46 00-0198	EA	15 KV Cutout	374.64	
26 05 46 00-0199	EA	9/10 KV Arrestor	340.66	101.51
26 05 46 00-0200		Spacer Cable, Conduit Support And Cluster Bracket *(26 05 46 00-0172)*		
26 05 46 00-0201	EA	Parallel Cable Spacer	263.53	101.51
26 05 46 00-0202	EA	Conduit Standoff Support Bracket	254.39	101.51
26 05 46 00-0203	EA	Three Transformer Pole Mounted Cluster Bracket	571.33	101.51
26 05 46 00-0204		15 KV 200 Amp Solenoid Operated High Voltage Switch *(26 05 46 00-0172)* Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,004.52	253.79
26 05 46 00-0206		Octagonal Tapered *(26 05 46 00-0125)*		
26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,507.38	609.09
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,074.41	659.84
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,721.59	710.60
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,393.82	862.88
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	9,781.78	913.64
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,891.47	1,159.16
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,610.55	1,233.15
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,585.38	1,479.78
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,636.09	1,578.43
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,507.51	1,775.73
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,594.92	1,874.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,700.47	2,219.66
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	20,044.34	2,367.65
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,477.39	2,663.60
26 05 46 00-0221		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0125)*		
26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	35.52	
26 05 46 00-0223		**Special Steel Bases For Poles** *(26 05 46 00-0125)*		
26 05 46 00-0224	EA	Spin-In Steel Base For Poles	181.43	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	198.30	50.76
26 05 46 00-0226	EA	Series 4, 40' Pole And less	235.04	58.37
26 05 46 00-0227	EA	Series 5, 50' Pole And less	266.70	63.45
26 05 46 00-0228		**Primary Fuse Cutouts** *(26 05 46)*		
		Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229		**Non-Loadbreak Current Limiting Primary Fuse Cutouts** *(26 05 46 00-0228)*		
		Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230		**8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0229)*		
26 05 46 00-0231	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	559.94	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0232	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	661.45	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 05 46 00-0233	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	762.62	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.62*	
26 05 46 00-0234	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	777.34	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.74*	
26 05 46 00-0235	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	777.34	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.74*	
26 05 46 00-0236		**17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0229)*		
26 05 46 00-0237	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	559.94	203.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0238		**17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0229)*		
26 05 46 00-0239	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	579.34	203.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0240		**Fuseholders** *(26 05 46 00-0229)*		
		Note: Including current limiting fuse.		
26 05 46 00-0241	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	478.15	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0242	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	579.66	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 05 46 00-0243	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	680.83	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.62*	
26 05 46 00-0244	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	484.86	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0245	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	586.37	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 05 46 00-0246	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	478.15	203.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0247		**Accessories** *(26 05 46 00-0229)*		
26 05 46 00-0248	EA	Hot Line Clamp	70.78	22.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 05 46 00-0249	EA	Stirrup	76.94	22.84
26 05 46 00-0250		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 05 46 00-0228)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0252	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	711.04	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0253	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	812.55	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 05 46 00-0254	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	913.72	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.62*	
26 05 46 00-0255	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	942.52	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.74*	
26 05 46 00-0256	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	942.52	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0257		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0258	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	711.04	203.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0259		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0260	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	711.04	203.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0261		**Fuseholders** *(26 05 46 00-0250)*		
		Note: Includes current limiting fuses.		
26 05 46 00-0262	EA	15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	485.08	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0263	EA	25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	586.59	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 05 46 00-0264	EA	40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	687.76	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.62*	
26 05 46 00-0265	EA	15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	485.08	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 05 46 00-0266		**Pole Mounted Capacitors** *(26 05 46 00-0250)*		
26 05 46 00-0267	EA	Capacitors - Pole Mounted 6 KVAR	1,270.56	204.65
26 05 46 00-0268		**Pole Structure Assemblies** *(26 05 46 00-0228)*		
26 05 46 00-0269		**5 KV Pole Structure Assemblies** *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	413.57	192.88
26 05 46 00-0271	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	691.26	324.85
26 05 46 00-0272	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	779.90	253.79
26 05 46 00-0273	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	444.33	131.97
26 05 46 00-0274	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	564.95	182.73
26 05 46 00-0275	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	991.26	365.45
26 05 46 00-0276	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	776.80	274.09
26 05 46 00-0277	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,423.43	548.18
26 05 46 00-0278	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,617.14	619.24
26 05 46 00-0279	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	881.40	304.54
26 05 46 00-0280	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	752.26	324.85
26 05 46 00-0281	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,416.31	659.84
26 05 46 00-0282	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,072.82	395.91
26 05 46 00-0283	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	672.11	284.24
26 05 46 00-0284	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,266.98	578.63
26 05 46 00-0285	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	989.14	294.39
26 05 46 00-0286		**15 KV Pole Structure Assemblies** *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	432.98	192.88
26 05 46 00-0288	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	718.99	324.85
26 05 46 00-0289	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	874.17	253.79
26 05 46 00-0290	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	477.60	131.97
26 05 46 00-0291	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	612.08	172.57
26 05 46 00-0292	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,085.53	365.45
26 05 46 00-0293	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	846.11	274.09
26 05 46 00-0294	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,564.83	548.18
26 05 46 00-0295	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,808.45	619.24
26 05 46 00-0296	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	975.67	304.54
26 05 46 00-0297	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	788.30	324.85
26 05 46 00-0298	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,452.35	659.84
26 05 46 00-0299	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,144.91	395.91
26 05 46 00-0300	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	708.15	274.09
26 05 46 00-0301	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,303.02	578.63
26 05 46 00-0302	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,061.23	355.30
26 05 46 00-0303		**25 KV Pole Structure Assemblies** *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,305.60	304.54
26 05 46 00-0305	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	797.55	152.27
26 05 46 00-0306	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,156.88	233.48
26 05 46 00-0307	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,531.22	477.12
26 05 46 00-0308	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,454.23	355.30
26 05 46 00-0309	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,354.80	700.45
26 05 46 00-0310	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,252.13	791.81
26 05 46 00-0311	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,575.58	461.89
26 05 46 00-0312	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,373.48	461.89

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0313		**50 KV Pole Structure Assemblies** *(26 05 46 00-0268)* Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,754.05	416.21
26 05 46 00-0315	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	953.55	213.18
26 05 46 00-0316	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,211.86	335.00
26 05 46 00-0317	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,279.56	680.15
26 05 46 00-0318	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,747.10	507.57
26 05 46 00-0319	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,358.33	1,015.15
26 05 46 00-0320	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,969.31	1,126.82
26 05 46 00-0321	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,022.30	548.18
26 05 46 00-0322	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,042.48	634.47
26 05 46 00-0323	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,967.83	598.93
26 05 46 00-0324		**Overhead To Underground Conversion Structures** *(26 05 46 00-0228)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0325		**5 KV Structures** *(26 05 46 00-0324)* Note: Excludes pole.		
26 05 46 00-0326	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,218.92	2,030.29
26 05 46 00-0327	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,218.92	2,030.29
26 05 46 00-0328	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,218.92	2,030.29
26 05 46 00-0329	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,218.92	2,030.29
26 05 46 00-0330		**15 KV Structures** *(26 05 46 00-0324)* Note: Excludes pole.		
26 05 46 00-0331	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,349.37	2,030.29
26 05 46 00-0332	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,349.37	2,030.29
26 05 46 00-0333	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,349.37	2,030.29
26 05 46 00-0334	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,349.37	2,030.29
26 05 46 00-0335		**25 KV Structures** *(26 05 46 00-0324)* Note: Excludes pole.		
26 05 46 00-0336	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,491.69	2,030.29
26 05 46 00-0337	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,491.69	2,030.29
26 05 46 00-0338	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,491.69	2,030.29
26 05 46 00-0339	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,491.69	2,030.29
26 05 46 00-0340		**Transformer Stations** *(26 05 46 00-0228)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0341		**5 KV Station** *(26 05 46 00-0340)*		
26 05 46 00-0342	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,815.80	2,706.39
26 05 46 00-0343	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	6,524.99	3,045.45
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	7,234.17	3,383.49
26 05 46 00-0345	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	7,234.17	3,383.49
26 05 46 00-0346	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	5,815.80	2,706.39
26 05 46 00-0347		**15 KV Stations** *(26 05 46 00-0340)*		
26 05 46 00-0348	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,946.25	2,705.61
26 05 46 00-0349	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	6,655.44	3,045.45
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	7,364.62	3,383.49
26 05 46 00-0351	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	7,364.62	3,383.49
26 05 46 00-0352	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	5,946.25	2,706.39
26 05 46 00-0353		**25 KV Stations** *(26 05 46 00-0340)*		
26 05 46 00-0354	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,088.56	2,706.39
26 05 46 00-0355	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	6,797.76	3,045.45
26 05 46 00-0356	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	7,506.94	3,383.49
26 05 46 00-0357	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	7,506.94	3,383.49
26 05 46 00-0358	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	6,088.56	2,706.39

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		**Conduit Markers Pressure-Sensitive** *(26 05 53)* Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	9.88	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.34	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	11.25	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	11.43	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	11.62	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	11.89	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.72	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	14.09	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.36	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	14.64	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.21	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	15.82	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	16.36	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	16.91	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	18.43	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	19.43	

26 05 53 00-0018 Labeling Electrical Wires *(26 05 53)*

26 05 53 00-0019	EA	Labeling Wire	2.04	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Tape Wrapped Compression Connectors *(26 05 83)*

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	12.23	4.12
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	13.40	4.58
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	14.50	5.03
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	16.78	5.49
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	18.06	5.95
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	20.03	6.40
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	21.47	6.86
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	23.38	7.31
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	25.87	8.24
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	27.15	8.69
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	30.20	9.15
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	32.88	9.61
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	36.74	10.52
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	42.62	11.89

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	15.83	11.89
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	15.94	11.89
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	18.04	12.81
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	22.38	14.18
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	31.41	18.30
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	36.73	18.30
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	42.28	18.30
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	52.04	27.45
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	60.94	27.45
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	71.31	27.45
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	85.96	36.59
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	101.94	54.90
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	116.61	54.90
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	125.33	54.90
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	136.53	64.05
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	149.27	64.05
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	162.21	73.20
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts	190.88	82.35

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	32.34	15.55
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	34.74	16.56
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	36.60	16.56
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	42.13	19.03
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	51.87	23.79
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	60.77	28.28
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	71.12	33.12
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	85.74	40.17
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	101.69	47.67
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	116.32	54.44
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	125.03	58.65
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	136.17	63.50
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	148.87	69.35
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	162.74	75.21
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	201.57	91.50

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	48.22	36.59
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	53.02	39.34
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	60.46	41.17
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	70.23	45.75
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	82.96	50.32

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	93.18	54.90
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	116.52	59.47
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	125.01	64.05
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	131.78	68.62
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	150.58	75.48
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	169.38	109.79
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	185.60	91.50
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	201.82	123.52
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	224.35	128.10
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	254.49	137.25

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	65.76	36.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.21*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	76.22	36.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.79*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	105.27	54.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.50*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	126.13	54.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.19*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	151.57	68.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.59*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	209.83	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	810.44	338.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.33*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	212.08	45.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.76*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	234.43	45.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.05*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	32.33	16.56
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	34.74	16.56
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	36.60	16.56
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	42.13	19.03
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	51.87	23.79
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	60.77	28.28
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	71.12	33.12
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	85.74	40.17
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	101.69	47.67
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	116.32	54.44
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	125.03	58.65
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	136.17	63.50
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	148.87	69.35
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	149.23	69.35
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	32.33	16.56
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	34.74	16.56
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	36.60	16.56
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	42.13	19.03
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	51.87	23.79
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	60.77	28.28
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	71.12	33.12
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	85.74	40.17
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	101.69	47.67
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	116.32	54.44
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	125.03	58.65
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	136.17	63.50
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	148.87	69.35
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	149.23	69.35

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	25.60	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	30.74	13.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.29*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	35.52	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	46.35	20.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	62.42	27.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	74.21	31.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	86.60	36.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	98.43	41.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.63*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	112.40	45.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	126.14	50.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.20*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	139.83	54.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	153.43	59.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.66*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	167.25	64.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.43*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	189.65	72.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.78*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	214.64	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	39.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	38.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	9.12	4.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	9.19	4.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	9.27	4.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.51*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.50	22.88
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	63.87	22.88
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.77	27.45
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.88	34.31
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.14	34.31
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.39	34.31
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	94.54	34.31
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.92	45.75
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	122.58	45.75
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	155.89	57.19

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	63.87	22.88
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.77	27.45
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.88	34.31
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.14	34.31
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.39	34.31
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	94.54	34.31
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.92	45.75
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	122.58	45.75
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	155.89	57.19
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	162.18	57.19
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	209.84	68.62
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	219.41	68.62
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	302.52	91.50
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	379.72	114.37
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	443.85	137.25
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	533.12	160.11
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	614.35	182.99
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	760.09	228.74
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	894.64	272.20
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,066.73	317.49
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,485.15	476.15

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	63.87	22.88
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.77	27.45

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.88	34.31
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.14	34.31
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.39	34.31
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	94.54	34.31
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.92	45.75
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	122.58	45.75
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	155.89	57.19
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	162.18	57.19
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	209.85	68.62
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	219.40	68.62
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	302.52	91.50
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	379.99	114.55
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	443.85	137.25
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	533.12	160.11
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	614.35	182.99
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	760.09	228.74
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	894.90	272.29
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,067.08	317.67
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,485.94	476.52
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.50	22.88
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	655.42	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*
Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	324.21	73.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.92*	
26 09 23 00-0006	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	397.23	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0007	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	732.50	128.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 09 23 00-0008	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,129.81	173.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.30*	
26 09 23 00-0009	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,296.78	228.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.25*	
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	366.00	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0012	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	436.04	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0013	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	796.46	146.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.84*	
26 09 23 00-0014	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,222.11	192.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.29*	
26 09 23 00-0015	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,468.07	251.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.97*	
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	428.61	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0018	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	510.53	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0019	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	958.12	164.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.82*	
26 09 23 00-0020	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,453.62	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.26*	
26 09 23 00-0021	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	3,130.82	274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.69*	

26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0023		**2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	513.24	73.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.92*	
26 09 23 00-0025	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	647.84	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0026	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,232.26	128.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 09 23 00-0027	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,839.63	173.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.30*	
26 09 23 00-0028	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,508.32	228.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.25*	
26 09 23 00-0029		**3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0030	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	535.26	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0031	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	686.66	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0032	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,297.68	146.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.84*	
26 09 23 00-0033	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,931.44	192.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.29*	
26 09 23 00-0034	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,679.12	251.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.97*	
26 09 23 00-0035		**4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0036	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	579.73	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0037	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	761.14	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0038	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,654.26	164.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.82*	
26 09 23 00-0039	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,357.87	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.26*	
26 09 23 00-0040	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,879.25	274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.69*	
26 09 23 00-0041		**Mechanically Held, Lighting Contactors** *(26 09 23 00-0001)*		
26 09 23 00-0042		**NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0041)*		
26 09 23 00-0043		**2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0042)*		
26 09 23 00-0044	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	461.97	73.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.92*	
26 09 23 00-0045	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	525.22	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0046	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	981.65	128.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 09 23 00-0047	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,365.76	173.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.30*	
26 09 23 00-0048	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,062.78	228.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.25*	
26 09 23 00-0049		**3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0042)*		
26 09 23 00-0050	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	495.75	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0051	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	565.01	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0052	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,047.07	146.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.84*	
26 09 23 00-0053	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,458.55	192.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.29*	
26 09 23 00-0054	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,441.70	251.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.97*	
26 09 23 00-0055		**4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0042)*		
26 09 23 00-0056	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	536.48	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0057	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	603.83	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0058	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,221.92	164.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.82*	
26 09 23 00-0059	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,704.23	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.26*	
26 09 23 00-0060	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	4,141.09	274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.69*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0061		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0062		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0063	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	675.03	73.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.92*	
26 09 23 00-0064	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	775.83	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0065	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,482.87	128.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 09 23 00-0066	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,075.59	173.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.30*	
26 09 23 00-0067	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,273.34	228.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.25*	
26 09 23 00-0068		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0069	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	715.74	82.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 09 23 00-0070	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	815.63	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0071	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,548.29	146.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.84*	
26 09 23 00-0072	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,168.86	192.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.29*	
26 09 23 00-0073	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,653.23	251.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.97*	
26 09 23 00-0074		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0075	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	759.14	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0076	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	854.45	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0077	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,918.07	164.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.82*	
26 09 23 00-0078	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,608.49	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.26*	
26 09 23 00-0079	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,853.85	274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.69*	
26 09 23 00-0080		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0081		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0082		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0083		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0082)*		
26 09 23 00-0084	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	871.79	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0085	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,368.49	161.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.62*	
26 09 23 00-0086	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,185.80	211.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.82*	
26 09 23 00-0087	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,936.82	276.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.07*	
26 09 23 00-0088		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0089		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0088)*		
26 09 23 00-0090	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,539.35	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0091	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,397.32	161.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.62*	
26 09 23 00-0092	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,981.12	211.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0093	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	6,233.36	276.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.07*	
26 09 23 00-0094		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0095		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0096		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0095)*		
26 09 23 00-0097	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	948.00	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0098	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,632.29	161.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.62*	
26 09 23 00-0099	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,435.68	211.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.82*	
26 09 23 00-0100	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,646.88	276.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.07*	
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0101)*		
26 09 23 00-0103	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,616.30	100.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.39*	
26 09 23 00-0104	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,662.58	161.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.62*	
26 09 23 00-0105	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,231.73	211.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.82*	
26 09 23 00-0106	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	6,943.43	276.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.07*	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0108	EA	Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket	113.07	23.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.30*	
26 09 23 00-0109	EA	Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket	123.91	23.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.30*	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,008.33	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	1,288.64	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	1,573.95	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.90*	
26 09 23 00-0114		Light Control Panels *(26 09 23)*		
26 09 23 00-0115		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0114)*		
26 09 23 00-0116		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0115)*		
26 09 23 00-0117	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,290.78	128.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.97*	
26 09 23 00-0118	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,215.02	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0119	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,361.99	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0120	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,019.69	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0121	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	2,192.24	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0122	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,432.12	128.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.97*	
26 09 23 00-0123	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,536.64	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0124	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,709.01	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0125	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	2,088.65	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0126	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,261.18	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0127		**Accessories For Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0115)*		
26 09 23 00-0128	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	127.76	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 09 23 00-0129	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	98.50	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0130	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	54.16	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0131		**Lighting Control Panels (Synergy)** *(26 09 23 00-0114)*		
26 09 23 00-0132		**Lighting Control Panels (Synergy)** *(26 09 23 00-0131)*		
26 09 23 00-0133	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,596.03	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0134		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0131)*		
26 09 23 00-0135	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	385.74	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 09 23 00-0136	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	149.55	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0137	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	89.25	13.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.25*	
26 09 23 00-0138		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0114)*		
26 09 23 00-0139		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0138)*		
26 09 23 00-0140	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	1,312.33	137.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.47*	
26 09 23 00-0141	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	1,777.13	146.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.97*	
26 09 23 00-0142	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	2,307.95	155.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.47*	
26 09 23 00-0143		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0114)*		
26 09 23 00-0144	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	897.13	128.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.97*	
26 09 23 00-0145	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,013.60	128.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.97*	
26 09 23 00-0146	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,130.07	128.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.97*	
26 09 23 00-0147		**Power Filters** *(26 09 23 00-0114)*		
26 09 23 00-0148	EA	600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	33,980.60	762.45
26 09 23 00-0149	EA	200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	20,136.41	331.49
26 09 23 00-0150		**Signal Filters** *(26 09 23 00-0114)*		
26 09 23 00-0151	EA	0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	15,450.43	693.18
26 09 23 00-0152	EA	0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	10,583.89	423.63
26 09 23 00-0153	EA	0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	5,901.20	245.94
26 09 23 00-0154	EA	5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	8,064.91	245.94
26 09 23 00-0155		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0156	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	8,867.23	91.63
26 09 23 00-0157	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	4,078.95	91.63
26 09 23 00-0158	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	2,145.19	91.63
26 09 23 00-0159	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	8,919.11	91.63
26 09 23 00-0160	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	75.59	11.45
26 09 23 00-0161	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	113.90	11.45
26 09 23 00-0162	EA	Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	147.63	22.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0163	EA	Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	175.80	22.91
26 09 23 00-0164	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	98.50	22.91
26 09 23 00-0165	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	136.81	22.91
26 09 23 00-0166	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	338.58	45.82
26 09 23 00-0167	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	259.87	45.82
26 09 23 00-0168	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	457.73	45.82
26 09 23 00-0169	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	170.93	45.82
26 09 23 00-0170	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	510.44	45.82
26 09 23 00-0171	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	5,206.69	183.27
26 09 23 00-0172	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	3,810.39	45.82
26 09 23 00-0173	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	147.47	11.45
26 09 23 00-0174	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	178.60	11.45
26 09 23 00-0175	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	171.09	11.45
26 09 23 00-0176	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	178.60	11.45
26 09 23 00-0177	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	171.09	11.45
26 09 23 00-0178	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	130.65	11.45
26 09 23 00-0179	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	178.60	11.45
26 09 23 00-0180	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	171.09	11.45
26 09 23 00-0181	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	127.62	11.45
26 09 23 00-0182	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	57.57	11.45
26 09 23 00-0183	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	53.70	22.91
26 09 23 00-0184	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	54.03	22.91
26 09 23 00-0185	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	56.68	22.91
26 09 23 00-0186	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	59.30	22.91
26 09 23 00-0187	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	62.42	22.91
26 09 23 00-0188	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	65.24	22.91
26 09 23 00-0189	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	68.70	22.91
26 09 23 00-0190	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	84.35	22.91
26 09 23 00-0191	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	479.96	22.91
26 09 23 00-0192	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	125.25	22.91
26 09 23 00-0193	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	616.27	22.91
26 09 23 00-0194	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	376.86	45.82
26 09 23 00-0195	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	376.86	45.82
26 09 23 00-0196	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	376.86	45.82
26 09 23 00-0197	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	207.25	45.82
26 09 23 00-0198	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	201.56	45.82
26 09 23 00-0199	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	205.36	45.82
26 09 23 00-0200	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	224.31	45.82
26 09 23 00-0201	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	205.36	45.82
26 09 23 00-0202	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSP-LNV) Note: Excludes GB II cable.	167.45	45.82
26 09 23 00-0203	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	176.12	45.82
26 09 23 00-0204	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	176.12	45.82
26 09 23 00-0205	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	103.91	45.82
26 09 23 00-0206	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	210.05	45.82
26 09 23 00-0207	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	287.32	45.82
26 09 23 00-0208	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	254.64	45.82
26 09 23 00-0209	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	269.80	45.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0210	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	277.39	45.82
26 09 23 00-0211	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	252.74	45.82
26 09 23 00-0212	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSM-LNV) Note: Excludes GB II cable.	214.84	45.82
26 09 23 00-0213	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	262.79	45.82
26 09 23 00-0214	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	260.81	45.82
26 09 23 00-0215	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	286.67	45.82
26 09 23 00-0216	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	278.72	45.82
26 09 23 00-0217	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	298.15	45.82
26 09 23 00-0218	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	278.80	45.82
26 09 23 00-0219	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	278.80	45.82
26 09 23 00-0220	EA	10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	191.45	45.82
26 09 23 00-0221	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	203.36	45.82
26 09 23 00-0222	EA	20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	338.32	45.82
26 09 23 00-0223	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	360.19	45.82
26 09 23 00-0224	EA	10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	271.94	45.82
26 09 23 00-0225	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	282.51	45.82
26 09 23 00-0226	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	789.82	91.63
26 09 23 00-0227	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	2,509.41	366.53
26 09 23 00-0228	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	3,575.22	366.53
26 09 23 00-0229	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	4,641.01	366.53
26 09 23 00-0230	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	394.91	45.82
26 09 23 00-0231	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	449.07	45.82
26 09 23 00-0232	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	1,174.76	45.82
26 09 23 00-0233	EA	Wireless Control Module (Encelium EN-WCM-ZB)	168.58	22.91
26 09 23 00-0234	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	197.46	22.91
26 09 23 00-0235	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	198.18	22.91
26 09 23 00-0236	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	204.99	22.91
26 09 23 00-0237	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0238	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0239	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0240	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0241	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0242	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	150.36	11.45
26 09 23 00-0243	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.92	45.82
26 09 23 00-0244	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	214.39	45.82
26 09 23 00-0245	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	214.39	45.82
26 09 23 00-0246	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	243.27	45.82
26 09 23 00-0247	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	243.27	45.82
26 09 23 00-0248	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0249	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0250	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0251	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0252	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0253	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	150.36	11.45
26 09 23 00-0254	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.92	45.82
26 09 23 00-0255	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	145.67	11.45
26 09 23 00-0256	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	145.67	11.45
26 09 23 00-0257	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	145.67	11.45
26 09 23 00-0258	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	150.36	11.45
26 09 23 00-0259	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.92	45.82
26 09 23 00-0260	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	214.39	45.82
26 09 23 00-0261	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	214.39	45.82
26 09 23 00-0262	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	243.27	45.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0263	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	243.27	45.82
26 09 23 00-0264	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0265	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0266	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0267	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0268	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	145.67	11.45
26 09 23 00-0269	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	150.36	11.45
26 09 23 00-0270	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.92	45.82
26 09 23 00-0271	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	108.23	45.82
26 09 23 00-0272	EA	Emergency Lighting Control Unit (WattStopper ELCU-200)	193.86	41.24
26 09 23 00-0273	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	424.99	45.82

26 09 23 00-0274 Lighting Control Sensors *(26 09 23)*

26 09 23 00-0275	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	224.67	20.61
26 09 23 00-0276	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	224.67	20.61
26 09 23 00-0277	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	198.05	20.61
26 09 23 00-0278	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	61.11	13.75
26 09 23 00-0279	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	5.70	
26 09 23 00-0280	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	39.11	
26 09 23 00-0281	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	7.64	

26 09 23 00-0282 Radio Controlled Devices (Lutron) *(26 09 23)*

26 09 23 00-0283 Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0282)*

26 09 23 00-0284 Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0283)*

26 09 23 00-0285	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	288.19	13.75
26 09 23 00-0286	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	373.08	13.75
26 09 23 00-0287	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	468.58	13.75

26 09 23 00-0288 Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0283)*

26 09 23 00-0289	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	288.19	13.75
26 09 23 00-0290	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	341.24	13.75
26 09 23 00-0291	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	468.58	13.75
26 09 23 00-0292	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	288.19	13.75
26 09 23 00-0293	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	373.08	13.75
26 09 23 00-0294	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	468.58	13.75

26 09 23 00-0295 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0283)*

26 09 23 00-0296	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	373.08	13.75
26 09 23 00-0297	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	468.58	13.75
26 09 23 00-0298	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	468.58	13.75

26 09 23 00-0299 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0283)*

26 09 23 00-0300	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	288.19	13.75
26 09 23 00-0301	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	373.08	13.75
26 09 23 00-0302	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	341.24	13.75
26 09 23 00-0303	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	415.52	13.75
26 09 23 00-0304	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	373.08	13.75
26 09 23 00-0305	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	447.36	13.75
26 09 23 00-0306	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	373.08	13.75

26 09 23 00-0307 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0283)*

26 09 23 00-0308	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	288.19	13.75

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0309	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	373.08	13.75
26 09 23 00-0310	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	373.08	13.75
26 09 23 00-0311	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	468.58	13.75
26 09 23 00-0312	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	373.08	13.75
26 09 23 00-0313	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	468.58	13.75
26 09 23 00-0314		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0283)*		
26 09 23 00-0315	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	288.19	13.75
26 09 23 00-0316	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	373.08	13.75
26 09 23 00-0317	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	468.58	13.75
26 09 23 00-0318		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0283)*		
26 09 23 00-0319	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	65.35	13.75
26 09 23 00-0320		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0282)*		
26 09 23 00-0321	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	266.97	13.75
26 09 23 00-0322	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	288.19	13.75
26 09 23 00-0323	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	288.19	13.75
26 09 23 00-0324	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	288.19	13.75
26 09 23 00-0325	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	288.19	13.75
26 09 23 00-0326	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	288.19	13.75
26 09 23 00-0327		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0282)*		
26 09 23 00-0328	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	266.97	13.75
26 09 23 00-0329	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	266.97	13.75
26 09 23 00-0330	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	266.97	13.75
26 09 23 00-0331	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	536.49	13.75
26 09 23 00-0332	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	765.69	13.75
26 09 23 00-0333	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	765.69	13.75
26 09 23 00-0334		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0282)*		
26 09 23 00-0335	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	341.24	13.75
26 09 23 00-0336	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	383.69	13.75
26 09 23 00-0337	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	447.36	13.75
26 09 23 00-0338		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0282)*		
26 09 23 00-0339	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	500.41	13.75
26 09 23 00-0340	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	686.11	13.75
26 09 23 00-0341		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0342		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0341)*		
26 09 23 00-0343	EA	6 Amp Lighting, 3 Amp Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	85.50	18.32
26 09 23 00-0344	EA	8 Amp Lighting, 5.8 Amp Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	99.01	18.32
26 09 23 00-0345	EA	8 Amp Lighting, 3 Amp Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	149.38	18.32
26 09 23 00-0346	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	62.96	18.32
26 09 23 00-0347	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	74.76	18.32
26 09 23 00-0348	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	67.91	18.32
26 09 23 00-0349	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	79.96	18.32
26 09 23 00-0350		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0341)*		
26 09 23 00-0351	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	82.38	18.32
26 09 23 00-0352	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	88.62	18.32
26 09 23 00-0353	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	104.21	18.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0354	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	113.38	22.91
26 09 23 00-0355	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	134.87	18.32
26 09 23 00-0356	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	50.94	18.32
26 09 23 00-0357	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	59.52	18.32
26 09 23 00-0358	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	54.07	18.32
26 09 23 00-0359	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	62.64	18.32
26 09 23 00-0360	EA	6 Amp, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	157.70	32.07
26 09 23 00-0361		Occupancy Sensors (Watt Stopper) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0362		Occupancy Sensors *(26 09 23 00-0361)*		
		Note: Exclude boxes.		
26 09 23 00-0363		Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0362)*		
26 09 23 00-0364		Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0363)*		
26 09 23 00-0365	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	90.93	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0366	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	107.00	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0367		Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0363)*		
26 09 23 00-0368	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	75.38	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0369	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	70.51	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0370	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	79.61	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0371	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	91.90	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0372	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	90.89	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0373		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0363)*		
26 09 23 00-0374	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	131.49	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0375	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	141.66	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0376		Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0363)*		
26 09 23 00-0377	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.56	2.29
26 09 23 00-0378	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.37	2.29
26 09 23 00-0379	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.37	2.29
26 09 23 00-0380		Ceiling Mounted Occupancy Sensors *(26 09 23 00-0362)*		
26 09 23 00-0381		Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0380)*		
26 09 23 00-0382		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0381)*		
26 09 23 00-0383	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	121.73	20.61
26 09 23 00-0384	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	139.21	20.61
26 09 23 00-0385	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	156.83	20.61
26 09 23 00-0386	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	155.24	20.61
26 09 23 00-0387		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0381)*		
26 09 23 00-0388	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	132.08	20.61
26 09 23 00-0389	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	149.82	20.61
26 09 23 00-0390	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	166.61	20.61
26 09 23 00-0391	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	169.46	20.61
26 09 23 00-0392	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	142.68	20.61
26 09 23 00-0393	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	160.86	20.61
26 09 23 00-0394	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	178.97	20.61

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0395	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	184.18	20.61
26 09 23 00-0396		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0381)*		
26 09 23 00-0397	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	137.20	20.61
26 09 23 00-0398	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	158.40	20.61
26 09 23 00-0399	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	176.13	20.61
26 09 23 00-0400	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	129.39	20.61
26 09 23 00-0401	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	156.10	20.61
26 09 23 00-0402	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	164.75	20.61
26 09 23 00-0403	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	138.30	20.61
26 09 23 00-0404	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	153.68	20.61
26 09 23 00-0405	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	172.67	20.61
26 09 23 00-0406		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0380)*		
26 09 23 00-0407	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	101.31	20.61
26 09 23 00-0408	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	103.38	20.61
26 09 23 00-0409	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	108.27	20.61
26 09 23 00-0410	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	121.40	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0411	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	122.99	20.61
26 09 23 00-0412	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	129.85	20.61
26 09 23 00-0413	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	140.85	20.61
26 09 23 00-0414		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0380)*		
26 09 23 00-0415	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	166.46	20.61
26 09 23 00-0416	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	189.72	20.61
26 09 23 00-0417	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	161.53	20.61
26 09 23 00-0418		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0362)*		
26 09 23 00-0419		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0418)*		
26 09 23 00-0420	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	203.65	20.61
26 09 23 00-0421	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	203.65	20.61
26 09 23 00-0422		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0418)*		
26 09 23 00-0423	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	189.72	20.61
26 09 23 00-0424		**Occupancy Sensor Power Packs** *(26 09 23 00-0361)*		
26 09 23 00-0425		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0424)*		
26 09 23 00-0426	EA	220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	69.16	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0427	EA	347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	63.26	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0428		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0424)*		
26 09 23 00-0429	EA	120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	58.39	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0430		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0424)*		
26 09 23 00-0431	EA	120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	76.20	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0432		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0424)*		
26 09 23 00-0433	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	69.43	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0434	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	69.49	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0435		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0424)*		
26 09 23 00-0436	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	86.55	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0437	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	87.72	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0438		Occupancy Sensor Power Supplies *(26 09 23 00-0424)*		
26 09 23 00-0439	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120)	181.52	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0440	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	173.11	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0441		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0424)*		
26 09 23 00-0442	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	228.00	18.32
26 09 23 00-0443		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0424)*		
26 09 23 00-0444	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	75.53	18.32
26 09 23 00-0445		Occupancy Sensor Accessories *(26 09 23 00-0361)*		
26 09 23 00-0446		Protective Cages For Occupancy Sensors *(26 09 23 00-0445)*		
26 09 23 00-0447	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	42.75	6.87
26 09 23 00-0448		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0445)*		
26 09 23 00-0449	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	34.49	11.45
26 09 23 00-0450		Occupancy/Lighting Logger *(26 09 23 00-0445)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0451	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	315.22	38.95
26 09 23 00-0452		Remove And Reinstall Occupancy Sensors *(26 09 23 00-0445)*		
26 09 23 00-0453	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	61.86	
26 09 23 00-0454	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	27.49	
26 09 23 00-0455		Digital Time Light Switches *(26 09 23 00-0361)*		
26 09 23 00-0456	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	68.20	9.16
26 09 23 00-0457		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0458		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0457)* Note: Exclude boxes		
26 09 23 00-0459		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0458)*		
26 09 23 00-0460		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0459)*		
26 09 23 00-0461	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	124.43	9.16
26 09 23 00-0462	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	89.06	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0463	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	85.17	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0464	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	85.17	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0465	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	106.75	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0466	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	106.75	9.16
26 09 23 00-0467	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	128.86	9.16
26 09 23 00-0468	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	106.75	9.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0469		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0459)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0470	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	159.80	9.16
26 09 23 00-0471	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	124.43	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0472	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	121.79	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0473	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	121.79	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0474	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	142.12	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 09 23 00-0475	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	142.12	9.16
26 09 23 00-0476	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	152.73	9.16
26 09 23 00-0477		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0459)*		
26 09 23 00-0478	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	11.66	2.29
26 09 23 00-0479	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	11.66	2.29
26 09 23 00-0480	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	22.28	2.29
26 09 23 00-0481	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	22.28	2.29
26 09 23 00-0482		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0458)*		
26 09 23 00-0483		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0482)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0484	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	147.35	20.61
26 09 23 00-0485	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	147.35	20.61
26 09 23 00-0486	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	147.35	20.61
26 09 23 00-0487	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	156.19	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0488	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	156.19	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0489	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	127.90	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0490	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0491	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0492	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	163.27	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0493	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	147.35	20.61
26 09 23 00-0494	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	147.35	20.61
26 09 23 00-0495	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	147.35	20.61
26 09 23 00-0496	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	156.19	20.61
26 09 23 00-0497	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	156.19	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0498	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	127.90	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0499	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0500	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0501	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	163.27	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0502		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0482)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0503	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	182.72	20.61
26 09 23 00-0504	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	182.72	20.61
26 09 23 00-0505	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	182.72	20.61
26 09 23 00-0506	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0507	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0508	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	145.58	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0509	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	209.25	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0510	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	209.25	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0511	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	180.95	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0512	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	182.72	20.61
26 09 23 00-0513	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	182.72	20.61
26 09 23 00-0514	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	182.72	20.61
26 09 23 00-0515	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0516	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0517	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	145.58	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0518	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	209.25	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0519	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	209.25	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0520	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	180.95	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 09 23 00-0521 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0458)*

26 09 23 00-0522 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0521)*

26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	147.35	20.61
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	165.04	20.61
26 09 23 00-0525	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	200.41	20.61
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0527	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	226.94	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 09 23 00-0528 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0521)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0529	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	182.72	20.61
26 09 23 00-0530	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	209.25	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0531	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	244.62	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 09 23 00-0532 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0458)*

26 09 23 00-0533 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0532)*

26 09 23 00-0534	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	147.35	20.61
26 09 23 00-0535	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	147.35	20.61
26 09 23 00-0536	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	147.35	20.61

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0537	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	127.90	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0538	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	127.90	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0539	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	127.90	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0540	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	163.27	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0541	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	163.27	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0542	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	163.27	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0543	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0544	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0545	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0546	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0547	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0548	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	140.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0549	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	165.04	20.61
26 09 23 00-0550	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	165.04	20.61
26 09 23 00-0551	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	165.04	20.61
26 09 23 00-0552	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	198.64	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0553	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	198.64	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0554	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	198.64	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0555	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	175.65	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	175.65	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0557	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	149.12	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0558	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	149.12	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0559	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	149.12	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0560	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	149.12	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0561	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	165.04	20.61
26 09 23 00-0562	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	165.04	20.61
26 09 23 00-0563	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	198.64	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0564	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	198.64	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	191.56	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0566	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0567	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	173.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 09 23 00-0568 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0457)*

26 09 23 00-0569	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	86.17	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0570	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	121.54	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0571	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	68.48	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0572	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	63.18	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0573	EA	20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	80.86	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0574	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	125.08	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0575	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	125.08	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	
26 09 23 00-0576	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	125.08	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.00*	

26 09 23 00-0577 Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0457)*

26 09 23 00-0578 Remove And Reinstall Occupancy Sensors *(26 09 23 00-0577)*

26 09 23 00-0579	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	27.49
26 09 23 00-0580	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	61.86

26 09 23 00-0581 Daylighting Control (Sensor Switch) *(26 09 23 00-0457)*

26 09 23 00-0582	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	129.67	20.61
26 09 23 00-0583	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	129.67	20.61
26 09 23 00-0584	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	129.67	20.61
26 09 23 00-0585	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0586	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0587	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0588	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	129.67	20.61
26 09 23 00-0589	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	129.67	20.61
26 09 23 00-0590	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	129.67	20.61
26 09 23 00-0591	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0592	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0593	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	129.67	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0594	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	182.72	20.61
26 09 23 00-0595	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	182.72	20.61
26 09 23 00-0596	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	182.72	20.61
26 09 23 00-0597	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	182.72	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0598	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	182.72	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 09 23 00-0599	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	182.72	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 09 23 00-0600 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0601 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0600)*

Note: Excludes boxes.

26 09 23 00-0602 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0601)*

26 09 23 00-0603 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0602)*

Note: Includes passive infrared and microphonics detection

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0604	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	191.03	9.16
26 09 23 00-0605		360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0601)*		
26 09 23 00-0606		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0605)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0607	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	231.03	20.61
26 09 23 00-0608	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	231.03	20.61
26 09 23 00-0609	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	231.03	20.61
26 09 23 00-0610		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0605)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0611	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	268.98	20.61
26 09 23 00-0612	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	268.98	20.61
26 09 23 00-0613	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	278.46	20.61
26 09 23 00-0614		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0601)*		
26 09 23 00-0615		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0614)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0616	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	268.98	20.61
26 09 23 00-0617		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0601)*		
26 09 23 00-0618		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0617)*		
26 09 23 00-0619	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	231.03	20.61
26 09 23 00-0620		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0600)*		
26 09 23 00-0621	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	84.09	18.32
26 09 23 00-0622	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	103.09	18.32
26 09 23 00-0623	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	135.34	18.32
26 09 23 00-0624	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	135.34	18.32
26 09 23 00-0625		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0600)*		
26 09 23 00-0626	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	278.46	20.61
26 09 23 00-0627	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	373.38	20.61
26 09 23 00-0628		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0600)*		
26 09 23 00-0629	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	193.07	20.61
26 09 23 00-0630		Controls (Sensor Switch nLight®) *(26 09 23 00-0600)*		
26 09 23 00-0631	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	130.44	20.61
26 09 23 00-0632	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	183.60	20.61
26 09 23 00-0633	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	411.33	20.61
26 09 23 00-0634	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	411.33	20.61
26 09 23 00-0635	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,512.10	20.61
26 09 23 00-0636		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0637		Wireless Occupancy Sensors *(26 09 23 00-0636)*		
26 09 23 00-0638	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	99.69	20.61
26 09 23 00-0639	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	103.61	20.61
26 09 23 00-0640	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	100.63	20.61

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0641	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	105.82	20.61
26 09 23 00-0642	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	101.79	20.61
26 09 23 00-0643	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	105.82	20.61
26 09 23 00-0644	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	99.69	20.61
26 09 23 00-0645	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	101.79	20.61
26 09 23 00-0646	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	100.63	20.61
26 09 23 00-0647	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	149.54	20.61
26 09 23 00-0648	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	158.86	20.61
26 09 23 00-0649	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	179.82	20.61
26 09 23 00-0650	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	189.14	20.61
26 09 23 00-0651	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	193.80	20.61
26 09 23 00-0652	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	203.12	20.61
26 09 23 00-0653	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	120.19	20.61
26 09 23 00-0654	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	126.25	20.61
26 09 23 00-0655	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	146.05	20.61
26 09 23 00-0656	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	161.19	20.61
26 09 23 00-0657	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	172.83	20.61
26 09 23 00-0658	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	150.71	20.61
26 09 23 00-0659	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	139.37	20.61
26 09 23 00-0660	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	118.33	20.61
26 09 23 00-0661	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	143.14	20.61
26 09 23 00-0662	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	171.53	20.61
26 09 23 00-0663	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	181.40	20.61
26 09 23 00-0664	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	181.40	20.61
26 09 23 00-0665	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	181.40	20.61
26 09 23 00-0666	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	190.44	20.61
26 09 23 00-0667	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	307.00	29.78

26 09 23 00-0668 Nodes And Modules *(26 09 23 00-0636)*

26 09 23 00-0669	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	155.36	20.61
26 09 23 00-0670	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	155.36	20.61
26 09 23 00-0671	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	193.80	20.61
26 09 23 00-0672	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	193.80	20.61
26 09 23 00-0673	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	246.13	22.91
26 09 23 00-0674	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	246.13	22.91
26 09 23 00-0675	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	296.21	22.91
26 09 23 00-0676	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	303.20	22.91
26 09 23 00-0677	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	371.91	22.91
26 09 23 00-0678	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	394.04	22.91
26 09 23 00-0679	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	416.17	22.91
26 09 23 00-0680	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,112.77	36.65
26 09 23 00-0681	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,095.72	41.24
26 09 23 00-0682	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,599.86	45.82

26 09 23 00-0683 Other Accessories *(26 09 23 00-0636)*

26 09 23 00-0684	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	28.83	
26 09 23 00-0685	EA	Pico® Wireless Control (Lutron® PJ)	30.72	
26 09 23 00-0686	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	85.17	
26 09 23 00-0687	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	165.54	
26 09 23 00-0688	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	187.08	20.61
26 09 23 00-0689	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	234.28	20.61
26 09 23 00-0690	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	234.28	20.61
26 09 23 00-0691	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	378.90	22.91
26 09 23 00-0692	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	515.17	22.91
26 09 23 00-0693	EA	Control Interface (Lutron® QSE-CI-NWK-E)	616.57	20.61
26 09 23 00-0694	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	611.92	20.61
26 09 23 00-0695	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	815.74	20.61
26 09 23 00-0696	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,630.35	640.48
26 09 23 00-0697	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,096.21	640.48

26 09 23 00-0698 Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*

Note: Includes testing of new devices and certification.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0699	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	95.97	20.61
26 09 23 00-0700	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	85.25	20.61
26 09 23 00-0701	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	104.82	20.61
26 09 23 00-0702	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	85.25	20.61
26 09 23 00-0703		Wireless Enabled Communication Devices For Streetlights *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0704		Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0703)*		
26 09 23 00-0705		Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0704)* Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0706	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	196.23	
26 09 23 00-0707	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	272.15	
26 09 23 00-0708		Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0704)*		
26 09 23 00-0709	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	38.72	
26 09 23 00-0710	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,693.19	50.84
26 09 23 00-0711		Consoles *(26 09 23)*		
26 09 23 00-0712	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	431.56	114.37
26 09 23 00-0713		Emergency Lighting Controls *(26 09 23)*		
26 09 23 00-0714		Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0713)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0715	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	157.86	22.91
26 09 23 00-0716	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	157.86	22.91
26 09 23 00-0717		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0713)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0718	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	235.59	32.07
26 09 23 00-0719	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	318.15	36.65
26 09 23 00-0720	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	425.35	41.24
26 09 23 00-0721		Photocells *(26 09 23)*		
26 09 23 00-0722	EA	Plug-In Photocell For Lighting Fixtures	64.99	
26 09 23 00-0723	EA	Wired Photocell For Lighting Fixtures	158.57	

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	44,785.99	1,586.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*968.24*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	54,943.54	2,006.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,210.30*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	62,216.27	2,006.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,210.30*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	71,524.68	2,006.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,290.99*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	81,149.58	2,473.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,489.60*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,240.10	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.06*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	398.70	121.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.07*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	594.62	121.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.32*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	470.44	121.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.07*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	1,759.95	409.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.49*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	25,864.79	1,586.52
		For 50 Hz Operation, Add	*2,716.48*	
		For Forced Air Cooling, Add	*2,716.48*	
		For External Control Panel, Add	*679.12*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*226.37*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,131.87*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,829.67*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,395.60*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	29,590.92	1,987.81
		For 50 Hz Operation, Add	*3,066.79*	
		For Forced Air Cooling, Add	*3,066.79*	
		For External Control Panel, Add	*766.70*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*255.57*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,277.83*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,194.57*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,833.49*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,505.01	2,799.74
		For 50 Hz Operation, Add	*4,772.07*	
		For Forced Air Cooling, Add	*4,772.07*	
		For External Control Panel, Add	*1,193.02*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*397.67*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,988.36*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,970.91*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,965.09*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	65,874.56	3,354.16
		For 50 Hz Operation, Add	*7,036.81*	
		For Forced Air Cooling, Add	*7,036.81*	
		For External Control Panel, Add	*1,759.20*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*586.40*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,932.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,330.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,796.01*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,163.71	4,340.68
		For 50 Hz Operation, Add	*8,654.48*	
		For Forced Air Cooling, Add	*8,654.48*	
		For External Control Panel, Add	*2,163.62*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*721.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,606.03*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,015.08*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,818.09*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	28,935.96	2,146.46
		For 50 Hz Operation, Add	*2,988.19*	
		For External Control Panel, Add	*747.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*249.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,245.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,112.70*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,735.24*	
		For Forced Air Cooling, Add	*1,992.13*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,049.80	2,146.46
		For 50 Hz Operation, Add	*3,381.38*	
		For External Control Panel, Add	*845.34*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*281.78*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,408.91*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,522.27*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,226.72*	
		For Forced Air Cooling, Add	*2,254.25*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	52,962.48	3,173.03
		For 50 Hz Operation, Add	*5,580.90*	
		For External Control Panel, Add	*1,395.23*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*465.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,325.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,813.44*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,976.13*	
		For Forced Air Cooling, Add	*3,720.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	71,053.33	4,340.68
		For 50 Hz Operation, Add	*7,441.23*	
		For External Control Panel, Add	*1,860.31*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*620.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,100.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,751.28*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,301.54*	
		For Forced Air Cooling, Add	*4,960.82*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	87,903.98	4,340.68
		For 50 Hz Operation, Add	*9,463.31*	
		For External Control Panel, Add	*2,365.83*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*788.61*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,943.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,857.61*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,829.14*	
		For Forced Air Cooling, Add	*6,308.87*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	36,326.31	2,566.43
		For 50 Hz Operation, Add	*3,774.56*	
		For External Control Panel, Add	*943.64*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*314.55*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,572.73*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,931.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,718.20*	
		For Forced Air Cooling, Add	*2,516.37*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	43,875.80	4,012.96
		For 50 Hz Operation, Add	*4,560.92*	
		For External Control Panel, Add	*1,140.23*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*380.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,900.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,750.96*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,701.15*	
		For Forced Air Cooling, Add	*3,040.61*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,642.81	4,012.96
		For 50 Hz Operation, Add	*6,308.90*	
		For External Control Panel, Add	*1,577.22*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*525.74*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,628.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,571.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,886.12*	
		For Forced Air Cooling, Add	*4,205.93*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	77,793.55	4,242.03
		For 50 Hz Operation, Add	*8,250.06*	
		For External Control Panel, Add	*2,062.51*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*687.50*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,437.52*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,593.81*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,312.57*	
		For Forced Air Cooling, Add	*5,500.04*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	134,247.71	5,425.86
		For 50 Hz Operation, Add	*14,720.71*	
		For External Control Panel, Add	*3,680.18*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,226.73*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,133.63*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,334.07*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,400.88*	
		For Forced Air Cooling, Add	*9,813.80*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,627.45	2,986.38
		For 50 Hz Operation, Add	*5,971.12*	
		For External Control Panel, Add	*1,492.78*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*497.59*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,487.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,219.92*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,463.90*	
		For Forced Air Cooling, Add	*3,980.75*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	62,867.86	2,986.38
		For 50 Hz Operation, Add	*6,769.55*	
		For External Control Panel, Add	*1,692.39*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*564.13*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,820.65*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,051.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,461.94*	
		For Forced Air Cooling, Add	*4,513.03*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	87,044.40	4,012.96
		For 50 Hz Operation, Add	*9,477.09*	
		For External Control Panel, Add	*2,369.27*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*789.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,948.79*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,871.97*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,846.36*	
		For Forced Air Cooling, Add	*6,318.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	106,473.73	5,425.86
		For 50 Hz Operation, Add	*11,387.83*	
		For External Control Panel, Add	*2,846.96*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*948.99*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,744.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,862.32*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,234.79*	
		For Forced Air Cooling, Add	*7,591.89*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	151,140.10	5,425.86
		For 50 Hz Operation, Add	*16,747.79*	
		For External Control Panel, Add	*4,186.95*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,395.65*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,978.25*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,445.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,934.74*	
		For Forced Air Cooling, Add	*11,165.20*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	79,977.09	3,173.03
		For 50 Hz Operation, Add	*8,822.66*	
		For External Control Panel, Add	*2,205.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*735.22*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,676.11*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,190.27*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,028.32*	
		For Forced Air Cooling, Add	*5,881.77*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	91,888.77	4,012.96
		For 50 Hz Operation, Add	*10,058.41*	
		For External Control Panel, Add	*2,514.60*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*838.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,191.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,477.51*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,573.01*	
		For Forced Air Cooling, Add	*6,705.61*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	126,133.58	4,012.96
		For 50 Hz Operation, Add	*14,167.79*	
		For External Control Panel, Add	*3,541.95*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,180.65*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,903.25*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,758.11*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,709.74*	
		For Forced Air Cooling, Add	*9,445.19*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	133,757.60	5,425.86
		For 50 Hz Operation, Add	*14,661.89*	
		For External Control Panel, Add	*3,665.47*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,221.82*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,109.12*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,272.81*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,327.37*	
		For Forced Air Cooling, Add	*9,774.60*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	175,003.91	5,425.86
		For 50 Hz Operation, Add	*19,611.45*	
		For External Control Panel, Add	*4,902.86*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,634.29*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,171.44*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,428.60*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,514.31*	
		For Forced Air Cooling, Add	*13,074.30*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	47,820.21	774.26
26 11 13 00-0047	EA	1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	52,496.87	774.26
26 11 13 00-0048	EA	1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	59,776.46	961.75
26 11 13 00-0049	EA	2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	55,920.31	1,156.46
26 11 13 00-0050	EA	2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	62,985.40	1,156.46
26 11 13 00-0051	EA	2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	71,859.19	1,343.55
26 11 13 00-0052	EA	3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	74,093.15	1,535.01
26 11 13 00-0053	EA	3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	82,889.59	1,535.01
26 11 13 00-0054	EA	3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	86,890.22	1,723.83

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 00-0001 Substation Primary Incoming Section *(26 11 16)*

26 11 16 00-0002 Manual Transferring Fused Load Break Switches *(26 11 16 00-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 00-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	40,696.70	1,136.97
26 11 16 00-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	47,123.24	1,136.97

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0005		**Automatic Transferring Fused Load Break Switches** *(26 11 16 00-0001)* Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	57,731.20	1,136.97
26 11 16 00-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	61,913.63	1,136.97
26 11 16 00-0008		**Accessories For Substation Fused Load Break Switches** *(26 11 16 00-0001)*		
26 11 16 00-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,396.39	
26 11 16 00-0010	EA	Key Interlock Accessories, Secondary Distribution Section	525.27	
26 11 16 00-0011		**Oil Filled Substation Transformers** *(26 11 16)* Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012		**Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ** *(26 11 16 00-0011)*		
26 11 16 00-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	10,228.54	653.27
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*624.54*	
		For Control Power Transformer On Fans And Auxiliary, Add	*267.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*89.22*	
26 11 16 00-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	14,726.05	699.94
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*932.83*	
		For Control Power Transformer On Fans And Auxiliary, Add	*399.79*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*133.26*	
26 11 16 00-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	16,596.86	746.59
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,057.26*	
		For Control Power Transformer On Fans And Auxiliary, Add	*453.11*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*151.04*	
26 11 16 00-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	19,384.51	793.26
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,245.86*	
		For Control Power Transformer On Fans And Auxiliary, Add	*533.94*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*177.98*	
26 11 16 00-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,349.47	839.92
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,376.87*	
		For Control Power Transformer On Fans And Auxiliary, Add	*590.09*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*196.70*	
26 11 16 00-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	22,536.87	886.58
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,453.46*	
		For Control Power Transformer On Fans And Auxiliary, Add	*622.91*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*207.64*	
26 11 16 00-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	26,083.91	2,006.48
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,695.22*	
		For Control Power Transformer On Fans And Auxiliary, Add	*726.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*242.17*	
26 11 16 00-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	27,848.56	1,049.90
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,802.41*	
		For Control Power Transformer On Fans And Auxiliary, Add	*772.46*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*257.49*	
26 11 16 00-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	31,061.16	1,119.90
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,017.50*	
		For Control Power Transformer On Fans And Auxiliary, Add	*864.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*288.21*	
26 11 16 00-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	35,904.62	1,213.22
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,343.47*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,004.35*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*334.78*	
26 11 16 00-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	39,401.75	1,306.54
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,575.21*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,103.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*367.89*	
26 11 16 00-0024		**Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ** *(26 11 16 00-0011)*		
26 11 16 00-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,783.43	653.27
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*593.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*254.31*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*84.77*	
26 11 16 00-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	14,581.72	699.94
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*922.73*	
		For Control Power Transformer On Fans And Auxiliary, Add	*395.46*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*131.82*	
26 11 16 00-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	16,587.01	746.59
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,056.57*	
		For Control Power Transformer On Fans And Auxiliary, Add	*452.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*150.94*	
26 11 16 00-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	19,401.45	793.26
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,247.05*	
		For Control Power Transformer On Fans And Auxiliary, Add	*534.45*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*178.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	23,079.05	839.92
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,497.94*	
		For Control Power Transformer On Fans And Auxiliary, Add	*641.98*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*213.99*	
26 11 16 00-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	24,690.51	886.58
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,604.21*	
		For Control Power Transformer On Fans And Auxiliary, Add	*687.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*229.17*	
26 11 16 00-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	27,078.37	933.25
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,764.83*	
		For Control Power Transformer On Fans And Auxiliary, Add	*756.36*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*252.12*	
26 11 16 00-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	29,561.63	1,049.90
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,922.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*823.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*274.62*	
26 11 16 00-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	33,276.41	1,119.90
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,172.56*	
		For Control Power Transformer On Fans And Auxiliary, Add	*931.10*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*310.37*	

26 11 16 00-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 00-0011)*

26 11 16 00-0035	EA	Sudden Pressure Relay	2,704.22	
26 11 16 00-0036	EA	Throats Or Flanges (HV Or LV)	5,368.80	
26 11 16 00-0037	EA	Lightning Arrestors (3 - 1 Pole)	3,535.15	
26 11 16 00-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	19,618.30	
26 11 16 00-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	18,354.87	

26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 00-0011)*

Note: For transformer liquid containment area.

26 11 16 00-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,418.21	1,019.31
26 11 16 00-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,983.61	1,175.28

26 11 16 00-0049 Dry Type Substation Transformer *(26 11 16)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V *(26 11 16 00-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 00-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,598.12	746.59
		For Gas Filled Transformers, Add	*9,662.96*	
		For Single Phase Transformers, Deduct	*-402.62*	
		For Dry Type Unit, Add	*3,692.40*	
26 11 16 00-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,691.45	793.26
		For Gas Filled Transformers, Add	*9,662.96*	
		For Single Phase Transformers, Deduct	*-402.62*	
		For Dry Type Unit, Add	*3,701.74*	
26 11 16 00-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,181.20	933.25
		For Gas Filled Transformers, Add	*9,788.83*	
		For Single Phase Transformers, Deduct	*-407.87*	
		For Dry Type Unit, Add	*3,775.89*	
26 11 16 00-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,064.22	1,026.57
		For Gas Filled Transformers, Add	*10,806.65*	
		For Single Phase Transformers, Deduct	*-450.28*	
		For Dry Type Unit, Add	*4,167.75*	
26 11 16 00-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	22,333.79	1,213.22
		For Gas Filled Transformers, Add	*11,944.41*	
		For Single Phase Transformers, Deduct	*-497.68*	
		For Dry Type Unit, Add	*4,622.26*	
26 11 16 00-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,870.26	1,399.86
		For Gas Filled Transformers, Add	*13,842.31*	
		For Single Phase Transformers, Deduct	*-576.76*	
		For Dry Type Unit, Add	*5,355.49*	
26 11 16 00-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,083.94	1,679.84
		For Gas Filled Transformers, Add	*16,034.56*	
		For Single Phase Transformers, Deduct	*-668.11*	
		For Dry Type Unit, Add	*6,215.31*	
26 11 16 00-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	35,455.56	1,866.49
		For Gas Filled Transformers, Add	*19,033.55*	
		For Single Phase Transformers, Deduct	*-793.06*	
		For Dry Type Unit, Add	*7,352.27*	
26 11 16 00-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	45,544.67	1,959.81
		For Gas Filled Transformers, Add	*24,975.03*	
		For Single Phase Transformers, Deduct	*-1,040.63*	
		For Dry Type Unit, Add	*9,549.47*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0060			**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V** *(26 11 16 00-0049)*		
			Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061		EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,026.60	746.59
			For Gas Filled Transformers, Add	*9,320.05*	
			For Single Phase Transformers, Deduct	*-388.34*	
			For Dry Type Unit, Add	*3,566.67*	
26 11 16 00-0062		EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,691.45	793.26
			For Gas Filled Transformers, Add	*9,662.96*	
			For Single Phase Transformers, Deduct	*-402.62*	
			For Dry Type Unit, Add	*3,701.74*	
26 11 16 00-0063		EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,181.20	933.25
			For Gas Filled Transformers, Add	*9,788.83*	
			For Single Phase Transformers, Deduct	*-407.87*	
			For Dry Type Unit, Add	*3,775.89*	
26 11 16 00-0064		EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,064.22	1,026.57
			For Gas Filled Transformers, Add	*10,806.65*	
			For Single Phase Transformers, Deduct	*-450.28*	
			For Dry Type Unit, Add	*4,167.75*	
26 11 16 00-0065		EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	22,333.79	1,213.22
			For Gas Filled Transformers, Add	*11,944.41*	
			For Single Phase Transformers, Deduct	*-497.68*	
			For Dry Type Unit, Add	*4,622.26*	
26 11 16 00-0066		EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,870.26	1,399.86
			For Gas Filled Transformers, Add	*13,842.31*	
			For Single Phase Transformers, Deduct	*-576.76*	
			For Dry Type Unit, Add	*5,355.49*	
26 11 16 00-0067		EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,083.94	1,679.84
			For Gas Filled Transformers, Add	*16,034.56*	
			For Single Phase Transformers, Deduct	*-668.11*	
			For Dry Type Unit, Add	*6,215.31*	
26 11 16 00-0068		EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	35,455.56	1,866.49
			For Gas Filled Transformers, Add	*19,033.55*	
			For Single Phase Transformers, Deduct	*-793.06*	
			For Dry Type Unit, Add	*7,352.27*	
26 11 16 00-0069		EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	45,544.67	1,959.81
			For Gas Filled Transformers, Add	*24,975.03*	
			For Single Phase Transformers, Deduct	*-1,040.63*	
			For Dry Type Unit, Add	*9,549.47*	
26 11 16 00-0070		EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	49,903.75	2,053.13
			For Gas Filled Transformers, Add	*27,478.48*	
			For Single Phase Transformers, Deduct	*-1,144.94*	
			For Dry Type Unit, Add	*10,486.07*	
26 11 16 00-0071		EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	55,569.37	2,146.46
			For Gas Filled Transformers, Add	*30,765.87*	
			For Single Phase Transformers, Deduct	*-1,281.91*	
			For Dry Type Unit, Add	*11,710.11*	
26 11 16 00-0072		EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	63,843.17	2,239.79
			For Gas Filled Transformers, Add	*35,618.16*	
			For Single Phase Transformers, Deduct	*-1,484.09*	
			For Dry Type Unit, Add	*13,507.95*	
26 11 16 00-0073			**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V** *(26 11 16 00-0049)*		
26 11 16 00-0074		EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,967.45	839.92
			For Gas Filled Transformers, Add	*10,372.57*	
			For Single Phase Transformers, Deduct	*-432.19*	
			For Dry Type Unit, Add	*3,971.26*	
26 11 16 00-0075		EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,628.99	886.58
			For Gas Filled Transformers, Add	*10,713.49*	
			For Single Phase Transformers, Deduct	*-446.40*	
			For Dry Type Unit, Add	*4,105.60*	
26 11 16 00-0076		EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,073.47	1,026.57
			For Gas Filled Transformers, Add	*11,412.20*	
			For Single Phase Transformers, Deduct	*-475.51*	
			For Dry Type Unit, Add	*4,389.79*	
26 11 16 00-0077		EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	22,284.23	1,119.90
			For Gas Filled Transformers, Add	*12,026.66*	
			For Single Phase Transformers, Deduct	*-501.11*	
			For Dry Type Unit, Add	*4,633.76*	
26 11 16 00-0078		EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	25,439.13	1,306.54
			For Gas Filled Transformers, Add	*13,695.63*	
			For Single Phase Transformers, Deduct	*-570.65*	
			For Dry Type Unit, Add	*5,283.04*	
26 11 16 00-0079		EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	28,235.61	1,493.19
			For Gas Filled Transformers, Add	*15,149.54*	
			For Single Phase Transformers, Deduct	*-631.23*	
			For Dry Type Unit, Add	*5,853.47*	
26 11 16 00-0080		EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	32,999.36	1,773.17
			For Gas Filled Transformers, Add	*17,671.82*	
			For Single Phase Transformers, Deduct	*-736.33*	
			For Dry Type Unit, Add	*6,834.30*	
26 11 16 00-0081		EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	39,806.36	1,959.81
			For Gas Filled Transformers, Add	*21,532.04*	
			For Single Phase Transformers, Deduct	*-897.17*	
			For Dry Type Unit, Add	*8,287.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	47,809.28	2,053.13
		For Gas Filled Transformers, Add	*26,221.80*	
		For Single Phase Transformers, Deduct	*-1,092.58*	
		For Dry Type Unit, Add	*10,025.29*	
26 11 16 00-0083		**Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V** *(26 11 16 00-0049)*		
26 11 16 00-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,967.45	839.92
		For Gas Filled Transformers, Add	*10,372.57*	
		For Single Phase Transformers, Deduct	*-432.19*	
		For Dry Type Unit, Add	*3,971.26*	
26 11 16 00-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,628.99	886.58
		For Gas Filled Transformers, Add	*10,713.49*	
		For Single Phase Transformers, Deduct	*-446.40*	
		For Dry Type Unit, Add	*4,105.60*	
26 11 16 00-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,073.47	1,026.57
		For Gas Filled Transformers, Add	*11,412.20*	
		For Single Phase Transformers, Deduct	*-475.51*	
		For Dry Type Unit, Add	*4,389.79*	
26 11 16 00-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	22,284.23	1,119.90
		For Gas Filled Transformers, Add	*12,026.66*	
		For Single Phase Transformers, Deduct	*-501.11*	
		For Dry Type Unit, Add	*4,633.76*	
26 11 16 00-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,439.13	1,306.54
		For Gas Filled Transformers, Add	*13,695.63*	
		For Single Phase Transformers, Deduct	*-570.65*	
		For Dry Type Unit, Add	*5,283.04*	
26 11 16 00-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,932.03	1,493.19
		For Gas Filled Transformers, Add	*13,167.39*	
		For Single Phase Transformers, Deduct	*-548.64*	
		For Dry Type Unit, Add	*5,126.68*	
26 11 16 00-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	26,212.53	1,773.17
		For Gas Filled Transformers, Add	*13,599.72*	
		For Single Phase Transformers, Deduct	*-566.66*	
		For Dry Type Unit, Add	*5,341.20*	
26 11 16 00-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	32,030.60	1,959.81
		For Gas Filled Transformers, Add	*16,866.59*	
		For Single Phase Transformers, Deduct	*-702.77*	
		For Dry Type Unit, Add	*6,576.38*	
26 11 16 00-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	37,730.87	2,053.13
		For Gas Filled Transformers, Add	*20,174.75*	
		For Single Phase Transformers, Deduct	*-840.61*	
		For Dry Type Unit, Add	*7,808.04*	
26 11 16 00-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	42,039.33	2,146.46
		For Gas Filled Transformers, Add	*22,647.85*	
		For Single Phase Transformers, Deduct	*-943.66*	
		For Dry Type Unit, Add	*8,733.50*	
26 11 16 00-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	49,093.13	2,239.79
		For Gas Filled Transformers, Add	*26,768.14*	
		For Single Phase Transformers, Deduct	*-1,115.34*	
		For Dry Type Unit, Add	*10,262.94*	
26 11 16 00-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	59,817.59	2,333.11
		For Gas Filled Transformers, Add	*33,090.82*	
		For Single Phase Transformers, Deduct	*-1,378.78*	
		For Dry Type Unit, Add	*12,599.92*	
26 11 16 00-0096		**Substation Secondary Distribution Section** *(26 11 16)*		
		Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097		**Switchgear Compartment Complete With Air Circuit Breaker** *(26 11 16 00-0096)*		
		Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098	EA	800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	11,965.19	807.62
26 11 16 00-0099	EA	1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	18,938.54	1,221.04
26 11 16 00-0100	EA	2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	25,644.90	1,499.86
26 11 16 00-0101	EA	3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	42,512.46	1,740.23
26 11 16 00-0102	EA	4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	54,617.81	1,980.59
26 11 16 00-0103		**Switchgear Compartment Without Circuit Breaker** *(26 11 16 00-0096)*		
26 11 16 00-0104	EA	800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,298.22	245.17
26 11 16 00-0105	EA	1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,122.10	245.17
26 11 16 00-0106	EA	2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,009.28	360.54
26 11 16 00-0107	EA	3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,434.13	360.54
26 11 16 00-0108	EA	4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,077.64	528.80
26 11 16 00-0109		**Switchgear Compartment, Blank, Use As Filler Or Metering** *(26 11 16 00-0096)*		
		Note: No provisions for future breaker.		
26 11 16 00-0110	EA	600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section	2,393.75	274.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.68*	
26 11 16 00-0111	EA	3,000 Amp, Blank Section Filler, Secondary Distribution Section	2,981.76	274.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.93*	
26 11 16 00-0112	EA	4,000 Amp, Blank Section Filler, Secondary Distribution Section	3,918.97	423.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.40*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0113		Accessories For Substation Secondary Distribution *(26 11 16 00-0096)*		
26 11 16 00-0114	EA	Short Time Delay Accessories, Secondary Distribution Section	1,260.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0115	EA	Key Interlock Accessories, Secondary Distribution Section	998.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0116	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	2,995.21	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0117	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	2,995.21	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0118	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	3,936.74	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0119	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	5,076.50	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0120	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,253.74	95.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	
26 11 16 00-0121	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	7,901.64	1,411.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*847.19*	
26 11 16 00-0122	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,399.55	83.64
26 11 16 00-0123	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,630.26	83.64
26 11 16 00-0124	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	868.25	41.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 11 16 00-0125	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	6,356.65	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 11 16 00-0126	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	828.61	41.83

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001		Removal And Relocation Of Transformers *(26 12 13)*		
26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	957.69	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	1,762.41	
26 12 13 00-0004		Single Phase Oil Filled Distribution Transformers *(26 12 13)*		
		Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*		
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,503.39	384.08
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,833.38	480.10
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,158.12	576.12
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,756.28	720.14
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,285.16	864.18
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,263.91	1,008.21
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,062.61	1,200.25
26 12 13 00-0013		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*		
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,503.39	384.08
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,853.57	480.10
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,158.12	576.12
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,756.28	720.14
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,285.16	864.18
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,056.39	1,008.21
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,957.23	1,200.25
26 12 13 00-0021		Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,479.83	384.08
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,769.45	480.10
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,094.89	576.12
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,741.69	720.14
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,223.55	864.18
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,095.30	1,008.21
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,966.95	1,200.25
26 12 13 00-0029		Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,589.19	384.08
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,882.17	480.10
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,390.20	576.12
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,004.58	720.14
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,518.25	864.18
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,531.14	1,008.21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,670.55	1,200.25
26 12 13 00-0037		**Transformer Platforms** *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	3,201.00	648.61
26 12 13 00-0039		**Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,457.07	768.16
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,741.27	864.18
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,159.28	960.19
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,251.69	1,344.27
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,861.43	1,536.31
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,358.34	1,920.39
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,502.66	2,112.43
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,778.99	2,688.54
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,705.23	3,072.62
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,243.11	3,840.79
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,121.25	4,800.98
26 12 13 00-0051		**Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,503.39	470.31
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,833.38	587.83
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,157.73	704.69
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,757.21	883.09
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,284.28	1,057.85
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,262.70	1,232.03
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,062.61	1,469.68
26 12 13 00-0059		**Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN** *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,503.39	470.31
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,853.57	587.83
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,157.73	704.69
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,757.21	883.09
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,284.28	1,057.85
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,055.18	1,232.03
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,957.23	1,469.68
26 12 13 00-0067		**Primary 7.2 To 14.4 KV Ground Y** *(26 12 13 00-0004)*		
26 12 13 00-0068		**Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,326.43	384.08
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,616.34	480.10
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,900.37	576.12
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,436.53	720.14
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,989.69	864.18
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,153.67	1,008.21
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,847.68	1,200.25
26 12 13 00-0076		**Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,272.89	384.08
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,549.05	480.10
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,869.78	576.12
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,375.35	720.14
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,905.57	864.18
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,847.78	1,008.21
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,541.78	1,200.25
26 12 13 00-0084		**3 Phase Oil Filled Distribution Transformers** *(26 12 13)*		
26 12 13 00-0085		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 V** *(26 12 13 00-0084)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	6,920.05	2,112.43
26 12 13 00-0087	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	8,841.18	2,688.54
26 12 13 00-0088	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	10,407.13	2,880.58
26 12 13 00-0089	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	13,296.29	3,600.74
26 12 13 00-0090	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	18,850.04	4,800.98
26 12 13 00-0091	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	25,385.90	5,521.13

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*			
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*			
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer		387.30	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer		1,721.32	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*			
26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers *(26 12 19)*			
		Note: Designed for residential and multi-family buildings. UL listed.			
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)*			
		Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.			
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)*			
		Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.			
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		2,755.33	466.62
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,088.12	466.62
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,677.68	639.27
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		4,448.52	639.27
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		5,026.42	839.92
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		6,488.26	839.92
26 12 19 00-0010		Factory Modifications Material Cost Only *(26 12 19 00-0002)*			
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications		455.94	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications		479.06	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications		526.97	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)*			
		Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.			
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)*			
		Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,319.20	466.62
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,807.65	466.62
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		4,165.00	639.27
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		5,081.21	639.27
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		5,683.90	839.92
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		6,878.11	839.92
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		10,581.18	1,166.55
26 12 19 00-0023		Factory Modifications Material Cost Only *(26 12 19 00-0014)*			
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications		607.91	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications		154.03	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications		479.06	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications		779.71	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications		208.14	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications		180.06	
26 12 19 00-0030		Primary, 12.47 KV Ground Y Or Delta *(26 12 19 00-0014)*			
		Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,543.25	466.62
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		3,882.15	466.62
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		4,135.70	639.27
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		4,901.85	639.27
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt		6,055.71	839.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,533.38	840.02
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,535.26	1,166.55
26 12 19 00-0038		Oil Filled Distribution Transformer Single Phase Cluster Mounted *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		13.8/14.4 KV Ground Y Or Delta Primary 120/240V *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,428.02	324.85
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,083.92	456.81
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,657.94	730.90
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,914.97	730.90
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,779.58	1,197.88
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,115.22	1,197.88
26 12 19 00-0046		Oil Filled Distribution Transformer Single Phase *(26 12 19 00-0001)*		
26 12 19 00-0047		7.2 KV Primary, 120/240 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,368.37	345.15
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,592.40	345.15
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,026.01	487.27
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,956.12	487.27
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,563.57	659.84
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,762.62	1,015.15
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,660.27	1,015.15
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,931.06	1,268.94
26 12 19 00-0056		7.2 KV Primary, 240/480 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,368.37	345.15
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,592.46	345.15
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,026.01	487.27
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,956.12	487.27
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,563.57	659.84
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,873.32	893.34
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,762.62	893.34
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,660.27	1,126.82
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,931.06	1,268.94
26 12 19 00-0066		2.4 KV Primary, 277 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,555.57	345.15
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,796.41	345.15
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,267.89	487.27
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,265.11	487.27
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,917.36	659.84
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,290.94	893.34
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,416.80	893.34
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,578.47	1,126.82
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,175.79	1,268.94
26 12 19 00-0076		2.4 KV Primary, 120/240 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,368.37	345.15
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,592.40	345.15
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,026.01	663.00
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,956.12	893.34
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,563.57	659.84
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,732.55	893.34
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,761.39	893.34
26 12 19 00-0084		2.4 KV Primary, 240/480 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,368.37	345.15
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,592.40	345.15
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,026.01	487.27
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,956.12	487.27
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,563.57	659.84
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,732.55	893.34
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,761.39	893.34
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 V Secondary *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,077.27	355.30
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,263.54	395.91
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,708.78	436.51
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,507.95	609.09

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,943.45	710.60
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,278.00	832.42
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,289.95	954.24
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,521.35	1,218.18
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,781.12	1,370.45

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections *(26 13 16 00-0001)*
Note: Includes air circuit breaker.

26 13 16 00-0003	EA	1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,503.48	1,055.76
		For Weatherproofing, Add	*2,162.72*	
26 13 16 00-0004	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,016.17	1,055.76
		For Weatherproofing, Add	*2,275.51*	
26 13 16 00-0005	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,980.69	1,345.07
		For Weatherproofing, Add	*3,117.66*	
26 13 16 00-0006	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,366.89	1,345.07
		For Weatherproofing, Add	*4,279.98*	
26 13 16 00-0007	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,125.16	1,624.24
		For Weatherproofing, Add	*6,179.78*	
26 13 16 00-0008	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,614.84	1,624.24
		For Weatherproofing, Add	*5,616.00*	

26 13 16 00-0009 7.2 KV Switchgear Sections *(26 13 16 00-0001)*
Note: Includes air circuit breaker.

26 13 16 00-0010	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,608.87	1,218.18
		For Weatherproofing, Add	*3,270.59*	
26 13 16 00-0011	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,181.71	1,522.72
		For Weatherproofing, Add	*4,006.58*	
26 13 16 00-0012	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,913.69	1,827.27
		For Weatherproofing, Add	*5,671.68*	

26 13 16 00-0013 13.8 KV Switchgear Sections *(26 13 16 00-0001)*
Note: Includes air circuit breaker.

26 13 16 00-0014	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,074.87	1,218.18
		For Weatherproofing, Add	*3,139.70*	
26 13 16 00-0015	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,711.74	1,218.18
		For Weatherproofing, Add	*4,350.61*	
26 13 16 00-0016	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,186.56	1,624.24
		For Weatherproofing, Add	*6,401.78*	
26 13 16 00-0017	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,968.04	1,624.24
		For Weatherproofing, Add	*3,947.38*	
26 13 16 00-0018	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,462.15	2,030.29
		For Weatherproofing, Add	*5,786.98*	
26 13 16 00-0019	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	38,350.39	2,030.29
		For Weatherproofing, Add	*8,151.70*	
26 13 16 00-0020	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,460.64	2,030.29
		For Weatherproofing, Add	*5,558.15*	
26 13 16 00-0021	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,609.66	2,030.29
		For Weatherproofing, Add	*7,761.70*	
26 13 16 00-0022	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,387.02	2,030.29
		For Weatherproofing, Add	*10,105.05*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section *(26 13 16 00-0001)*
Note: Excludes air circuit breaker element.

26 13 16 00-0024	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,745.51	664.92
		For Weatherproofing, Add	*950.76*	
26 13 16 00-0025	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,135.44	664.92
		For Weatherproofing, Add	*1,256.54*	
26 13 16 00-0026	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,680.53	883.18
		For Weatherproofing, Add	*1,346.35*	
26 13 16 00-0027	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,278.28	1,091.28
		For Weatherproofing, Add	*1,668.40*	
26 13 16 00-0028	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,091.39	1,091.28
		For Weatherproofing, Add	*2,287.29*	

26 13 16 00-0029 7.2 KV Switchgear Section *(26 13 16 00-0001)*
Note: Excludes air circuit breaker element.

26 13 16 00-0030	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,989.92	1,015.15
		For Weatherproofing, Add	*1,211.56*	
26 13 16 00-0031	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,834.00	1,015.15
		For Weatherproofing, Add	*1,587.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0032	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,901.01	1,015.15
		For Weatherproofing, Add	*2,452.58*	

26 13 16 00-0033 13.8 KV Switchgear Section *(26 13 16 00-0001)*

Note: Excludes air circuit breaker element.

26 13 16 00-0034	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,190.19	862.88
		For Weatherproofing, Add	*1,241.60*	
26 13 16 00-0035	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,592.45	862.88
		For Weatherproofing, Add	*1,330.10*	
26 13 16 00-0036	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,419.11	1,065.91
		For Weatherproofing, Add	*1,922.29*	
26 13 16 00-0037	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,452.77	1,279.09
		For Weatherproofing, Add	*1,680.16*	
26 13 16 00-0038	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,348.39	1,279.09
		For Weatherproofing, Add	*2,097.20*	
26 13 16 00-0039	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,902.81	1,492.27
		For Weatherproofing, Add	*2,409.00*	
26 13 16 00-0040	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,202.90	1,705.45
		For Weatherproofing, Add	*2,225.38*	
26 13 16 00-0041	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,501.84	1,705.45
		For Weatherproofing, Add	*2,511.14*	
26 13 16 00-0042	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,371.24	1,908.48
		For Weatherproofing, Add	*3,112.50*	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*

26 13 16 00-0044	EA	1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	3,051.60	643.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*385.99*	
26 13 16 00-0045	EA	2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	3,798.76	713.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*428.33*	
26 13 16 00-0046	EA	3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	4,945.49	858.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*515.30*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,260.84	1,291.57
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	3,672.16	83.64
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	4,899.95	83.64
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	8,960.66	83.64
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,045.21	83.64
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,689.72	83.64
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	10,462.00	83.64
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,671.55	83.64
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,887.36	83.64
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,859.09	83.64
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,835.45	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0058	EA	AC Ammeter With Switch	727.24	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	727.24	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,067.87	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0061	EA	Indicating Varmeter	1,256.85	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	794.90	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	3,433.56	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	3,472.69	83.64
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	498.01	83.64
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	2,322.48	83.64

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	37,515.07	1,268.94
26 13 19 00-0003	EA	1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	41,443.54	1,603.93
26 13 19 00-0004	EA	1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	47,059.48	1,603.93
26 13 19 00-0005	EA	2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	42,964.65	1,268.94
26 13 19 00-0006	EA	2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	48,301.65	1,268.94
26 13 19 00-0007	EA	2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	55,059.70	1,492.27
26 13 19 00-0008	EA	3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	56,842.75	1,705.45
26 13 19 00-0009	EA	3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	62,206.86	1,705.45
26 13 19 00-0010	EA	3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	67,981.32	1,918.63

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 16 Medium-Voltage Fuses *(26 18)*

26 18 16 00-0001 Sectionalizing Switch *(26 18 16)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 18 16 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 16 00-0001)*		
		Note: 15 KV - 25 KV.		
26 18 16 00-0003		Sectionalizing Tapping And Fusing Underground Feeders *(26 18 16 00-0002)*		
		Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	19,881.71	699.94
26 18 16 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	22,319.02	699.94

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	6.21	2.42
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.41	2.86
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.52	3.23
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	11.00	4.06
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.45	2.86
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.47	3.23
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.70	4.06
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	13.21	4.95
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	17.37	6.55
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	21.81	8.12
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	27.38	9.67
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.48	3.23
26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.70	4.06
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	13.76	5.21
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	17.60	6.55
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	19.55	7.25
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	22.21	8.12
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	26.29	9.67
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	30.79	10.68
26 21 13 00-0025		Aluminum Triplex For Underground Service, Direct Burial *(26 21 13 00-0002)*		
		Note: Excludes excavation and backfill.		
26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,618.85	902.36
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,871.02	955.46
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,206.86	1,015.15
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,493.53	1,015.15
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,811.64	1,082.86
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	4,467.89	1,249.45
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	5,628.26	1,624.24
26 21 13 00-0033		Weather Proof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs	41.97	16.10
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs	47.85	18.30
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs	55.17	20.49
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs	76.38	27.45
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs	83.71	29.64
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs	106.14	34.40
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs	136.10	38.80
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs	173.50	45.75
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs	312.73	91.50
26 21 13 00-0043		Service Entrance Cap, Threaded Weatherhead, Galvanized *(26 21 13 00-0002)*		
26 21 13 00-0044	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	49.19	16.10
26 21 13 00-0045	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	56.52	18.30
26 21 13 00-0046	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	64.98	20.49
26 21 13 00-0047	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	87.38	27.45
26 21 13 00-0048	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	99.66	29.64
26 21 13 00-0049	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	133.73	34.40
26 21 13 00-0050	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	236.68	38.80
26 21 13 00-0051	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	268.45	45.75
26 21 13 00-0052	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	431.42	91.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0053		**Service Entrance Cap, Clamp-On Weatherhead, Aluminum** *(26 21 13 00-0002)*		
26 21 13 00-0054	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	47.24	16.10
26 21 13 00-0055	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	53.24	18.30
26 21 13 00-0056	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	60.54	20.40
26 21 13 00-0057	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	80.37	27.45
26 21 13 00-0058	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	90.20	29.64
26 21 13 00-0059	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	106.68	34.40
26 21 13 00-0060	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	185.95	38.80
26 21 13 00-0061	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	242.94	45.75
26 21 13 00-0062	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service	339.44	68.62
26 21 13 00-0063	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	401.06	91.50
26 21 13 00-0064		**Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)** *(26 21 13 00-0002)*		
26 21 13 00-0065	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	43.40	16.10
26 21 13 00-0066	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	49.59	18.30
26 21 13 00-0067	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	56.18	20.40
26 21 13 00-0068	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	74.91	27.45
26 21 13 00-0069	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	81.48	29.64
26 21 13 00-0070	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	99.02	34.40
26 21 13 00-0071	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	156.93	38.80
26 21 13 00-0072	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	176.90	45.75
26 21 13 00-0073	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service	299.38	68.62
26 21 13 00-0074	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	413.00	91.50

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	633.19	234.72
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	812.61	281.67
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	943.29	293.88
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,074.99	305.14
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,385.64	328.61
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,598.36	352.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*44.71*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*67.06*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,738.08	375.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*49.35*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*74.02*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,765.06	422.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*46.00*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*69.00*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,058.42	469.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*55.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*83.96*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,644.19	563.35
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*75.88*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*113.81*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,277.15	657.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*98.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*147.20*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,945.50	845.02
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*162.77*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*244.16*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	8,241.55	1,032.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*308.80*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*463.20*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	12,311.24	1,173.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*498.20*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*747.30*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	736.41	281.67
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	821.19	293.40

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	938.50	305.14
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,064.68	328.61
26 22 13 00-0022		240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,598.36	352.09
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,738.08	375.56
26 22 13 00-0025		1 Phase Mounting Brackets *(26 22 13 00-0001)*		
26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	442.02	167.30
26 22 13 00-0027		1 Phase Weathershields *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	32.21	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	41.06	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	48.96	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	58.41	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	79.02	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	94.49	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	115.96	
26 22 13 00-0035		Packaged Power Supply *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers	1,060.38	293.40
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers	1,164.01	305.14
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers	1,258.71	328.61
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers	1,484.82	352.09
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers	1,915.52	375.56
26 22 13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*		
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	778.98	211.25
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,023.49	234.72
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,203.28	281.67
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,308.35	293.40
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,443.48	305.14
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,782.48	328.61
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,222.83	352.09
26 22 13 00-0049		1 Phase, 208/600 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*		
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,637.14	352.09
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,748.16	375.56
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,865.98	399.03
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,654.32	422.51
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,805.92	445.99
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,921.64	469.46
26 22 13 00-0056		3 Phase General Purpose "Dry Type" Transformer *(26 22 13)*		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		Packaged Power Supply *(26 22 13 00-0056)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers	4,288.51	1,009.32
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*113.49*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*170.24*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers	4,972.32	1,079.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*140.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*210.96*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers	5,798.57	1,173.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*172.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*258.85*	
26 22 13 00-0061		Drive Isolation Transformers *(26 22 13 00-0056)*		
		Note: Only use in step-up applications.		
26 22 13 00-0062		230 Volt Drive Isolation Transformers *(26 22 13 00-0061)*		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,760.10	375.56
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,182.78	399.03
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,304.88	422.51
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,839.79	445.99
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,010.83	492.93

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,407.32	539.87
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,956.10	586.82
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,737.21	657.24
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,173.93	680.71
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,033.48	704.18
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,666.56	727.65
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,815.79	891.96
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,884.61	938.91
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,366.24	985.85
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,051.37	1,173.63
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,746.32	1,384.89
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,915.75	1,525.73
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,279.33	1,690.03
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,963.39	1,877.81

26 22 13 00-0082 208V Drive Isolation Transformers *(26 22 13 00-0061)*

26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,862.36	375.56
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,304.16	399.03
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,430.09	422.51
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,989.83	445.99
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,164.80	492.93
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,529.75	516.40
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,195.58	610.29
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,962.33	657.24
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,418.89	680.71
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,319.79	704.18
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,033.61	727.65
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,224.61	891.96
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,343.05	938.91
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,895.32	985.85
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,698.01	1,173.63

26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,083.62	387.29
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,641.16	422.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*89.81*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*134.71*	

26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,005.81	516.40
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*98.65*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*147.98*	
		For K4 Factor Rating, Add	*1,381.11*	
		For K13 Factor Rating, Add	*1,973.01*	
		For K20 Factor Rating, Add	*2,564.91*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,565.43	563.35
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*121.94*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*182.91*	
		For K4 Factor Rating, Add	*1,707.13*	
		For K13 Factor Rating, Add	*2,438.75*	
		For K20 Factor Rating, Add	*3,170.38*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,750.19	610.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*126.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*189.72*	
		For K4 Factor Rating, Add	*1,770.73*	
		For K13 Factor Rating, Add	*2,529.61*	
		For K20 Factor Rating, Add	*3,288.49*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,771.88	657.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*172.87*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*259.31*	
		For K4 Factor Rating, Add	*2,420.19*	
		For K13 Factor Rating, Add	*3,457.41*	
		For K20 Factor Rating, Add	*4,494.63*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,764.98	704.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*167.83*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*251.75*	
		For K4 Factor Rating, Add	*2,349.63*	
		For K13 Factor Rating, Add	*3,356.62*	
		For K20 Factor Rating, Add	*4,363.61*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,897.95	845.02
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*210.40*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*315.59*	
		For K4 Factor Rating, Add	*2,945.54*	
		For K13 Factor Rating, Add	*4,207.92*	
		For K20 Factor Rating, Add	*5,470.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,489.72	938.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*280.60*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*420.89*	
		For K4 Factor Rating, Add	*3,928.34*	
		For K13 Factor Rating, Add	*5,611.91*	
		For K20 Factor Rating, Add	*7,295.48*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	10,101.17	1,173.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*387.70*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*581.54*	
		For K4 Factor Rating, Add	*5,427.73*	
		For K13 Factor Rating, Add	*7,753.90*	
		For K20 Factor Rating, Add	*10,080.07*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	12,338.78	1,455.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*471.41*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*707.11*	
		For K4 Factor Rating, Add	*6,599.71*	
		For K13 Factor Rating, Add	*9,428.16*	
		For K20 Factor Rating, Add	*12,256.61*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,373.86	1,783.92
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*690.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,035.45*	
		For K4 Factor Rating, Add	*9,664.21*	
		For K13 Factor Rating, Add	*13,806.02*	
		For K20 Factor Rating, Add	*17,947.83*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	37,995.01	2,146.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,683.80*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,525.70*	
		For K4 Factor Rating, Add	*23,573.23*	
		For K13 Factor Rating, Add	*33,676.04*	
		For K20 Factor Rating, Add	*43,778.85*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	49,529.81	2,347.27
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,241.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,362.65*	
		For K4 Factor Rating, Add	*31,384.69*	
		For K13 Factor Rating, Add	*44,835.27*	
		For K20 Factor Rating, Add	*58,285.85*	

26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,747.90	363.82
		For K4 Factor Rating, Add	*714.18*	
		For K13 Factor Rating, Add	*1,020.25*	
		For K20 Factor Rating, Add	*1,326.33*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,083.62	387.29
		For K4 Factor Rating, Add	*916.31*	
		For K13 Factor Rating, Add	*1,309.02*	
		For K20 Factor Rating, Add	*1,701.73*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,641.16	422.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*89.81*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*134.71*	
		For K4 Factor Rating, Add	*1,257.30*	
		For K13 Factor Rating, Add	*1,796.14*	
		For K20 Factor Rating, Add	*2,334.98*	

26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,788.51	516.40
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*187.79*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*281.68*	
		For K4 Factor Rating, Add	*2,629.00*	
		For K13 Factor Rating, Add	*3,755.71*	
		For K20 Factor Rating, Add	*4,882.42*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,399.94	610.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*208.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*313.45*	
		For K4 Factor Rating, Add	*2,925.55*	
		For K13 Factor Rating, Add	*4,179.36*	
		For K20 Factor Rating, Add	*5,433.17*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,764.66	704.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*317.82*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*476.72*	
		For K4 Factor Rating, Add	*4,449.41*	
		For K13 Factor Rating, Add	*6,356.30*	
		For K20 Factor Rating, Add	*8,263.19*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,707.61	845.02
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*400.88*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*601.32*	
		For K4 Factor Rating, Add	*5,612.31*	
		For K13 Factor Rating, Add	*8,017.58*	
		For K20 Factor Rating, Add	*10,422.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,610.60	938.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*486.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*729.96*	
		For K4 Factor Rating, Add	*6,812.95*	
		For K13 Factor Rating, Add	*9,732.79*	
		For K20 Factor Rating, Add	*12,652.63*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	14,852.02	1,173.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*625.24*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*937.86*	
		For K4 Factor Rating, Add	*8,753.33*	
		For K13 Factor Rating, Add	*12,504.75*	
		For K20 Factor Rating, Add	*16,256.18*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	18,087.37	1,455.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*758.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,138.26*	
		For K4 Factor Rating, Add	*10,623.73*	
		For K13 Factor Rating, Add	*15,176.75*	
		For K20 Factor Rating, Add	*19,729.78*	
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	28,494.83	1,783.92
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,246.35*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,869.52*	
		For K4 Factor Rating, Add	*17,448.89*	
		For K13 Factor Rating, Add	*24,926.99*	
		For K20 Factor Rating, Add	*32,405.09*	

26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*

26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,496.77	422.51
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,649.26	516.40
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,204.77	610.29
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,573.06	704.18
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,656.83	845.02
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,655.03	938.91
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,638.20	1,173.63
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	21,243.31	1,455.31

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,828.39	422.51
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,172.87	516.40
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,001.29	610.29
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,604.41	704.18
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,249.87	845.02
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,611.43	938.91
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,896.07	1,173.63
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	24,910.16	1,455.31

26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*

26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*

Note: Two taps at 2.5%, four at -2.5%.

26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*

26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	2,939.50	419.96
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,585.69	513.28
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,322.85	606.60
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,806.06	699.94
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,769.45	839.92
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,667.14	933.25
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,818.29	1,166.55
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,047.99	1,446.53

26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*

26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,571.21	419.96
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,350.87	513.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,255.95	606.60
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,128.13	699.94
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,134.03	839.92
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,007.33	933.25
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,964.05	1,166.55
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,594.47	1,446.53
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,200.37	419.96
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,118.19	513.28
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,189.06	606.60
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,448.08	699.94
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,855.69	839.92
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,347.52	933.25
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,109.82	1,166.55
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	27,140.96	1,446.53
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	3,989.93	419.96
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,863.13	513.28
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,876.60	606.60
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,008.09	699.94
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,881.20	839.92
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,648.23	933.25
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,168.21	1,166.55
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,782.75	1,446.53
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,619.09	419.96
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,630.44	513.28
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,809.71	606.60
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,330.17	699.94
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,231.02	839.92
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,954.52	933.25
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,920.87	1,166.55
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	34,176.42	1,446.53
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,250.37	419.96

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,397.75	513.28
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,742.81	606.60
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,650.11	699.94
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,921.92	839.92
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,859.10	933.25
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,671.40	1,166.55
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,880.29	1,446.53
26 22 13 00-0203		3 Phase Weathershields *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	436.34	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	740.99	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	740.99	
26 22 13 00-0207		Three Phase Mounting Brackets *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	567.52	167.30
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 22 13)*		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer *(26 22 13 00-0209)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications *(26 22 13 00-0210)*		
		Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	799.54	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	130.01	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	520.05	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,498.31	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	183.55	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	145.31	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area *(26 22 13 00-0210)*		
		Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	4,529.12	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,136.18*	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	4,529.12	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,136.18*	
26 22 13 00-0221	EA	Containment Area For 150 KVA	4,529.12	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,136.18*	
26 22 13 00-0222	EA	Containment Area For 225 KVA	4,529.12	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,136.18*	
26 22 13 00-0223	EA	Containment Area For 300 KVA	4,523.00	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,134.35*	
26 22 13 00-0224	EA	Containment Area For 500 KVA	4,523.00	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,134.35*	
26 22 13 00-0225	EA	Containment Area For 750 KVA	4,544.42	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,134.35*	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA	4,854.92	1,704.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,134.35*	
26 22 13 00-0227		Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL *(26 22 13 00-0210)*		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,795.68	1,119.90
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,254.55	1,119.90
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,560.47	1,119.90
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,478.21	1,119.90
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,383.18	1,679.84
26 22 13 00-0233	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,689.10	1,679.84
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,360.07	1,679.84
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,874.16	2,239.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	19,851.05	2,239.79
26 22 13 00-0237		**Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL** *(26 22 13 00-0210)*		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,948.64	1,119.90
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,560.47	1,119.90
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,713.43	1,119.90
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,866.38	1,119.90
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,383.18	1,679.84
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,995.01	1,679.84
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,360.07	1,679.84
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	16,027.12	2,239.79
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	19,851.05	2,239.79
26 22 13 00-0247		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 22 13 00-0209)*		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,919.03	1,478.70
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,031.03	1,745.63
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	12,653.81	2,133.56
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	14,865.58	2,400.49
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	17,615.50	2,526.76
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	22,293.83	3,691.96
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	25,929.95	4,176.85
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	31,850.01	4,800.98
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,777.18	5,041.03
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	37,195.82	5,617.34
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	42,044.89	6,001.41
26 22 13 00-0259		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 22 13 00-0209)*		
26 22 13 00-0260	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	36,976.15	4,159.01
26 22 13 00-0261	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	45,152.78	4,782.88
26 22 13 00-0262	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	50,922.82	5,034.57
26 22 13 00-0263	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	54,376.36	5,626.90
26 22 13 00-0264	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	60,432.88	5,797.40
26 22 13 00-0265		**Silicone Filled Distribution Transformers, 3 Phase** *(26 22 13 00-0209)*		
		Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,878.64	1,745.63
26 22 13 00-0267	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	17,442.87	2,133.56
26 22 13 00-0268	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	20,296.06	2,400.49
26 22 13 00-0269	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	24,008.12	2,526.76
26 22 13 00-0270	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	29,799.93	3,691.96
26 22 13 00-0271	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	37,053.98	4,176.85
26 22 13 00-0272	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	44,700.12	4,800.98
26 22 13 00-0273	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	50,436.30	5,041.03
26 22 13 00-0274		**Foam Core Poly Transformer Pads** *(26 22 13)*		
26 22 13 00-0275	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	147.49	31.07

26 24 Switchboards And Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,188.03	800.32
26 24 13 00-0004	EA	600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,527.71	846.53
26 24 13 00-0005	EA	800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,686.28	960.26
26 24 13 00-0006	EA	1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	6,125.19	1,029.43
26 24 13 00-0007	EA	1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,812.84	1,097.59
26 24 13 00-0008	EA	2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	10,940.61	1,167.04

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0009	EA	400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,855.06	800.32
26 24 13 00-0010	EA	600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,933.49	846.53
26 24 13 00-0011	EA	800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,870.16	961.08
26 24 13 00-0012	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,390.00	1,029.43
26 24 13 00-0013	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,812.84	1,098.69
26 24 13 00-0014	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	10,940.61	1,167.04
26 24 13 00-0015	EA	2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	13,143.52	1,220.10
26 24 13 00-0016	EA	3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	14,898.05	1,307.12
26 24 13 00-0017	EA	4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	17,581.77	1,409.05
26 24 13 00-0018	EA	400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,168.97	709.10
26 24 13 00-0019	EA	600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,395.16	754.94
26 24 13 00-0020	EA	800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,743.59	869.03
26 24 13 00-0021	EA	1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,957.35	905.55
26 24 13 00-0022	EA	1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,148.11	938.20
26 24 13 00-0023	EA	1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,448.82	1,005.91
26 24 13 00-0024	EA	2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,728.78	1,074.90

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 - 60 Amp MC Branch Breaker, 240 Volt	272.29	27.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.74*	
26 24 13 00-0027	EA	70 - 100 Amp MC Branch Breaker, 240 Volt	399.03	43.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.35*	
26 24 13 00-0028	EA	125 - 225 Amp MC Branch Breaker, 240 Volt	1,070.69	80.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.03*	
26 24 13 00-0029	EA	100 - 400 Amp MC Branch Breaker, 240 Volt	1,899.87	104.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.58*	
26 24 13 00-0030	EA	300 - 600 Amp MC Branch Breaker, 240 Volt	3,386.10	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0031	EA	400 - 800 Amp MC Branch Breaker, 240 Volt	5,416.97	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0032	EA	600 - 1,200 Amp MC Branch Breaker, 240 Volt	8,783.61	456.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.94*	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0034 Incoming Service Section Main Device Only *(26 24 13 00-0033)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,512.37	1,038.49
26 24 13 00-0036	EA	600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	5,039.12	1,038.49
26 24 13 00-0037	EA	800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	7,455.23	1,349.58
26 24 13 00-0038	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	8,446.46	1,349.58

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0040 Incoming Service Section Main Device Only *(26 24 13 00-0039)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,868.54	709.10
26 24 13 00-0042	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	3,192.99	754.94
26 24 13 00-0043	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,883.90	869.03
26 24 13 00-0044	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	5,306.17	937.47
26 24 13 00-0045	EA	200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,501.75	709.10
26 24 13 00-0046	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	4,418.81	754.94
26 24 13 00-0047	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	6,199.03	869.03
26 24 13 00-0048	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	8,893.00	937.47
26 24 13 00-0049	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	10,438.89	1,052.21
26 24 13 00-0050	EA	200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,011.73	617.51
26 24 13 00-0051	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,253.62	663.44
26 24 13 00-0052	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,645.53	777.54
26 24 13 00-0053	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,847.11	814.05
26 24 13 00-0054	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,042.08	846.53
26 24 13 00-0055	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,300.77	905.55
26 24 13 00-0056	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,553.66	960.26
26 24 13 00-0057	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,411.18	1,189.45
26 24 13 00-0058	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,936.75	1,303.82
26 24 13 00-0059	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	5,805.21	1,406.76

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 - 60 Amp MC Branch Breaker, 120 / 240 Volt	146.72	24.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.55*	
26 24 13 00-0062	EA	70 - 100 Amp MC Branch Breaker, 120 / 240 Volt	233.13	40.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.15*	
26 24 13 00-0063	EA	125 - 225 Amp MC Branch Breaker, 120 / 240 Volt	707.86	56.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 24 13 00-0064	EA	100 - 400 Amp MC Branch Breaker, 120 / 240 Volt	2,032.01	72.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.37*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0065	EA	300 - 600 Amp MC Branch Breaker, 120 / 240 Volt	3,203.03	176.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.67*	
26 24 13 00-0066	EA	400 - 800 Amp MC Branch Breaker, 120 / 240 Volt	4,550.62	176.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.67*	
26 24 13 00-0067	EA	600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt	7,505.28	336.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.77*	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0069 Incoming Service Section Main Device Only *(26 24 13 00-0068)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,189.15	800.32
26 24 13 00-0071	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,526.46	846.53
26 24 13 00-0072	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	5,684.66	960.26
26 24 13 00-0073	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	6,123.33	1,029.43
26 24 13 00-0074	EA	1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	9,808.62	1,097.59
26 24 13 00-0075	EA	2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	10,940.61	1,167.04
26 24 13 00-0076	EA	400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	3,856.18	800.32
26 24 13 00-0077	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	4,932.24	846.53
26 24 13 00-0078	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	6,870.16	961.08
26 24 13 00-0079	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	9,388.14	1,029.43
26 24 13 00-0080	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	9,810.72	1,098.69
26 24 13 00-0081	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	10,940.61	1,167.04
26 24 13 00-0082	EA	400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,274.57	709.10
26 24 13 00-0083	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,542.19	754.94
26 24 13 00-0084	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,963.98	869.03
26 24 13 00-0085	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,188.47	905.55
26 24 13 00-0086	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,405.36	938.20
26 24 13 00-0087	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,696.30	1,005.91
26 24 13 00-0088	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,991.28	1,074.90
26 24 13 00-0089	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	4,736.69	1,221.48
26 24 13 00-0090	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	5,239.77	1,307.03
26 24 13 00-0091	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	6,183.48	1,404.48

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt	272.29	27.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.74*	
26 24 13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt	399.03	43.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.35*	
26 24 13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt	1,070.69	80.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.03*	
26 24 13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt	1,899.87	104.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.58*	
26 24 13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt	3,386.10	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0098	EA	400 - 800 Amp MC Branch Breaker, 120/208 Volt	5,416.97	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0099	EA	600 - 1,200 Amp MC Branch Breaker, 120/208 Volt	8,783.61	456.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.94*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	4,135.44	1,097.59
26 24 13 00-0103	EA	600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	4,538.16	1,167.04
26 24 13 00-0104	EA	800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	6,446.45	1,302.64
26 24 13 00-0105	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	7,046.10	1,394.78
26 24 13 00-0106	EA	400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	5,267.91	1,097.59
26 24 13 00-0107	EA	600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	7,076.41	1,167.04
26 24 13 00-0108	EA	800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	8,017.57	1,304.10
26 24 13 00-0109	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	10,118.79	1,394.78
26 24 13 00-0110	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	10,587.93	1,487.28
26 24 13 00-0111	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	11,765.92	1,579.69
26 24 13 00-0112	EA	400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,274.57	709.10
26 24 13 00-0113	EA	600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,542.19	754.94
26 24 13 00-0114	EA	800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,963.98	869.03
26 24 13 00-0115	EA	1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,188.47	905.55
26 24 13 00-0116	EA	1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,405.36	938.20
26 24 13 00-0117	EA	1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,696.30	1,005.91
26 24 13 00-0118	EA	2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,991.28	1,074.90

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 - 60 Amp MC Branch Breaker, 480 / 277 Volt	563.19	27.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0121	EA	70 - 100 Amp MC Branch Breaker, 480 / 277 Volt	649.34	43.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.35*	
26 24 13 00-0122	EA	125 - 225 Amp MC Branch Breaker, 480 / 277 Volt	1,177.57	80.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.03*	
26 24 13 00-0123	EA	100 - 400 Amp MC Branch Breaker, 480 / 277 Volt	1,899.87	104.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.58*	
26 24 13 00-0124	EA	300 - 600 Amp MC Branch Breaker, 480 / 277 Volt	4,552.39	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0125	EA	400 - 800 Amp MC Branch Breaker, 480 / 277 Volt	4,656.57	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.69*	
26 24 13 00-0126	EA	600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt	7,472.54	456.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.94*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	580.90	71.83
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0130	EA	30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	578.87	71.83
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0131	EA	60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	578.87	71.83
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0132	EA	60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	908.27	94.70
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0133	EA	100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	908.27	94.70
		For Electrical Interlock Kit, Add	*236.53*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	664.33	70.45
		For Electrical Interlock Kit, Add	*226.59*	
26 24 13 00-0136	EA	200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	968.18	70.45
		For Electrical Interlock Kit, Add	*226.59*	
26 24 13 00-0137	EA	400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	2,488.63	189.85

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	744.25	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0140	EA	30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	742.22	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0141	EA	60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	742.22	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0142	EA	60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	1,117.89	108.42
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0143	EA	100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	1,117.89	108.42
		For Electrical Interlock Kit, Add	*236.53*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	804.51	79.60
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0146	EA	200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	1,299.83	79.60
		For Electrical Interlock Kit, Add	*226.59*	
26 24 13 00-0147	EA	400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	3,332.45	212.55
26 24 13 00-0148	EA	600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,758.46	272.29
26 24 13 00-0149	EA	800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	8,854.82	368.92

26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0151	EA	30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,050.97	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0152	EA	30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,048.92	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0153	EA	60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,050.97	80.97
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0154	EA	60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,580.69	108.42
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0155	EA	100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,614.94	108.42
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0156	EA	200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	3,437.34	141.82
		For Electrical Interlock Kit, Add	*236.53*	

26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0158	EA	100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,134.86	79.60
		For Electrical Interlock Kit, Add	*236.53*	
26 24 13 00-0159	EA	200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,719.23	79.60
		For Electrical Interlock Kit, Add	*226.59*	
26 24 13 00-0160	EA	400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,183.17	212.55
		For Electrical Interlock Kit, Add	*226.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0161	EA	600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	5,080.46	272.29
26 24 13 00-0162	EA	800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	8,854.82	368.92
26 24 13 00-0163		Service And Distribution Structures *(26 24 13)*		
26 24 13 00-0164		Distribution Section 600 Volts, 250 Volts DC *(26 24 13 00-0163)*		
26 24 13 00-0165		600 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,131.78	841.77
26 24 13 00-0167	EA	24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,541.51	841.77
26 24 13 00-0168	EA	34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,830.35	1,070.51
26 24 13 00-0169	EA	42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,125.94	1,070.51
26 24 13 00-0170		800 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,400.78	974.44
26 24 13 00-0172	EA	24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,798.83	974.44
26 24 13 00-0173	EA	34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,125.94	1,207.76
26 24 13 00-0174	EA	42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,391.48	1,207.76
26 24 13 00-0175		1,200 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,817.12	1,189.45
26 24 13 00-0177	EA	24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,225.16	1,189.45
26 24 13 00-0178	EA	34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,573.02	1,463.95
26 24 13 00-0179	EA	42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,962.04	1,463.95
26 24 13 00-0180		1,600 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,473.00	1,303.82
26 24 13 00-0182	EA	24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,961.00	1,303.82
26 24 13 00-0183	EA	34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,374.70	1,610.34
26 24 13 00-0184	EA	42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,713.58	1,610.34
26 24 13 00-0185		2,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,642.62	1,308.40
26 24 13 00-0187	EA	24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,170.47	1,473.10
26 24 13 00-0188	EA	34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,257.40	1,473.10
26 24 13 00-0189	EA	42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,436.95	1,555.44
26 24 13 00-0190		3,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,997.02	1,473.10
26 24 13 00-0192	EA	34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,082.66	1,473.10
26 24 13 00-0193	EA	42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,262.21	1,555.44
26 24 13 00-0194		4,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,114.32	1,555.44
26 24 13 00-0196	EA	34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,262.21	1,555.44
26 24 13 00-0197	EA	42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,327.04	1,555.44
26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	450.41	109.79
26 24 13 00-0200	EA	Drilled Bottom	507.90	109.79
26 24 13 00-0201	EA	Cable Supports In Pull Box	180.59	27.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 24 13 00-0202		Underground Pull Sections *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal	437.83	128.10
26 24 13 00-0204	EA	24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal	755.11	164.69
26 24 13 00-0205	EA	24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal	755.11	164.69
26 24 13 00-0206	EA	14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	566.44	128.10
26 24 13 00-0207	EA	28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	808.94	187.57
26 24 13 00-0208	EA	14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	923.95	187.57
26 24 13 00-0209	EA	26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	969.39	242.46
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	1,024.74	242.46
26 24 13 00-0211		Switchboard Sections *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,511.71	762.45
26 24 13 00-0213	EA	800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,845.88	828.78
26 24 13 00-0214	EA	1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	4,824.59	1,058.98
26 24 13 00-0215	EA	1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	5,276.29	1,155.23
26 24 13 00-0216	EA	2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	5,626.92	1,229.80

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0217	EA	400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	4,159.47	668.84
26 24 13 00-0218	EA	Distribution Section Subfeeder Lug-Rated At 200 Amp	2,387.99	635.35
26 24 13 00-0219	EA	Distribution Section Subfeeder Lug-Rated At 400 Amp	2,644.88	688.97
26 24 13 00-0220	EA	Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire	4,472.30	762.45
26 24 13 00-0221	EA	800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	4,824.44	764.45
26 24 13 00-0222	EA	1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	5,306.99	853.48
26 24 13 00-0223	EA	15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	134.60	45.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.94*	
26 24 13 00-0224	EA	70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	164.15	46.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.01*	
26 24 13 00-0225	EA	70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	749.56	54.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	
26 24 13 00-0226	EA	125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,239.96	118.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.02*	
26 24 13 00-0227	EA	100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	495.83	165.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	
26 24 13 00-0228	EA	225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	1,388.79	95.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	

26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V *(26 24 13 00-0163)*

26 24 13 00-0230	EA	225 Amp Switchboard, Structure Per Section, Copper, 480 Volt	1,820.59	397.09
26 24 13 00-0231	EA	400 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,587.62	536.99
26 24 13 00-0232	EA	600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,906.87	653.56
26 24 13 00-0233	EA	800 Amp Switchboard, Structure Per Section, Copper, 480 Volt	3,672.85	914.96
26 24 13 00-0234	EA	1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt	4,552.07	1,143.71
26 24 13 00-0235	EA	1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	5,008.23	1,143.71
26 24 13 00-0236	EA	2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	6,191.34	1,524.97
26 24 13 00-0237	EA	2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt	7,066.00	1,524.97
26 24 13 00-0238	EA	3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	8,310.74	1,815.38
26 24 13 00-0239	EA	4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	9,920.20	1,815.38

26 24 13 00-0240 Main Devices *(26 24 13)*

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	6,357.67	960.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*575.21*	
26 24 13 00-0244	EA	50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	11,590.61	1,601.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*959.76*	
26 24 13 00-0245	EA	1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	26,038.67	2,690.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,599.59*	
26 24 13 00-0246	EA	4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	41,956.70	4,355.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,659.79*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,190.31	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	282.87	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	371.11	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	267.30	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	7,441.14	1,006.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*606.74*	
26 24 13 00-0253	EA	50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	13,809.09	1,692.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,010.64*	
26 24 13 00-0254	EA	1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	29,239.14	2,790.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,681.92*	
26 24 13 00-0255	EA	4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	45,182.52	4,574.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,812.40*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip	5,068.37	878.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*527.87*	
26 24 13 00-0258	EA	50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip	9,263.45	1,473.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*879.77*	
26 24 13 00-0259	EA	2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip	13,748.78	2,470.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,466.29*	
26 24 13 00-0260	EA	1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip	23,717.65	3,980.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,442.08*	
26 24 13 00-0261	EA	4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip	38,606.74	6,496.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,060.50*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0263	EA	50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	5,965.41	841.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*503.47*	
26 24 13 00-0264	EA	50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	11,121.59	1,409.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*838.91*	
26 24 13 00-0265	EA	2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,861.07	2,342.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,400.46*	
26 24 13 00-0266	EA	1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	26,179.93	3,815.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,334.10*	
26 24 13 00-0267	EA	4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	40,968.50	6,542.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,899.00*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional	2,177.74	768.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*442.73*	
26 24 13 00-0270	EA	125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,166.18	768.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*481.56*	
26 24 13 00-0271	EA	300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,511.28	914.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*527.87*	
26 24 13 00-0272	EA	400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional	4,167.85	914.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*571.85*	
26 24 13 00-0273	EA	600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional	6,160.75	1,097.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*626.69*	
26 24 13 00-0274	EA	1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional	9,920.80	1,097.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*693.16*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	280.28	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	64.88	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	447.83	66.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.78*	
26 24 13 00-0279	EA	100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	528.84	88.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 24 13 00-0280	EA	225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,521.64	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.52*	
26 24 13 00-0281	EA	400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,010.79	166.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.74*	
26 24 13 00-0282	EA	600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,435.12	222.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.77*	
26 24 13 00-0283	EA	800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,941.93	285.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.56*	
26 24 13 00-0284	EA	1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,730.45	435.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*261.42*	
26 24 13 00-0285	EA	1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,730.45	435.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*261.42*	
26 24 13 00-0286	EA	1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	6,634.67	610.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*365.99*	
26 24 13 00-0287	EA	2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	8,288.22	914.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*548.98*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amp, Switchboard 277/480 Volt Main Breaker	5,366.57	397.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.27*	
26 24 13 00-0290	EA	600 Amp, Switchboard 277/480 Volt Main Breaker	5,442.07	434.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.92*	
26 24 13 00-0291	EA	800 Amp, Switchboard 277/480 Volt Main Breaker	5,879.42	653.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*392.13*	
26 24 13 00-0292	EA	1,200 Amp, Switchboard 277/480 Volt Main Breaker	10,043.99	914.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*548.98*	
26 24 13 00-0293	EA	1,600 Amp, Switchboard 277/480 Volt Main Breaker	10,238.32	1,012.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*607.28*	
26 24 13 00-0294	EA	2,000 Amp, Switchboard 277/480 Volt Main Breaker	13,545.79	1,815.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,089.25*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	373.83	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 13 00-0298	EA	70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	381.60	41.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 13 00-0299	EA	125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	892.68	49.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 13 00-0300	EA	70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,290.43	64.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 13 00-0301	EA	125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,813.73	79.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 13 00-0302	EA	300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,369.93	92.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0303	EA	900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,598.81	104.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.72*	
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	258.61	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 13 00-0306	EA	70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	332.89	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 13 00-0307	EA	125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	885.37	41.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 13 00-0308	EA	70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,392.51	45.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.19*	
26 24 13 00-0309	EA	125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,477.61	59.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.80*	
26 24 13 00-0310	EA	900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,323.67	86.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.64*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Instrument Transformers And Metering Compartments *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	800 Amp And Below Primary Current Transformer, With Compartment	338.67	
26 24 13 00-0314	EA	1,000 - 1,500 Amp Primary Current Transformer, With Compartment	489.19	
26 24 13 00-0315	EA	2,000 - 6,000 Amp Primary Current Transformer, With Compartment	576.12	
26 24 13 00-0316	EA	Potential Transformer With 200 VA Max	415.22	
26 24 13 00-0317	EA	5 To 800 Amp, Three Current Transformers	1,420.31	
26 24 13 00-0318	EA	1,000 To 1,500 Amp, Three Current Transformers	2,526.12	
26 24 13 00-0319	EA	2,000 To 4,000 Amp, Three Current Transformers	3,287.10	
26 24 13 00-0320		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0321	EA	AC Voltmeter	461.94	
26 24 13 00-0322	EA	AC Ammeter	461.94	
26 24 13 00-0323	EA	AC Wattmeter	1,233.99	
26 24 13 00-0324	EA	Variometer	1,393.60	
26 24 13 00-0325	EA	Power Factor Meter	1,113.32	
26 24 13 00-0326	EA	Frequency Meter	1,228.80	
26 24 13 00-0327	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,563.58	
26 24 13 00-0328	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,615.91	
26 24 13 00-0329	EA	Weatherproof, Modify Meter	2,526.07	
26 24 13 00-0330	EA	Control Switch Resistor Type 130 V	59.38	
26 24 13 00-0331	EA	Metering Instrument Volt, Amp And Watt Hour	3,155.45	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	968.39	260.77
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0005	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,101.84	260.77
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0006	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,252.11	361.41
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0007	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,404.08	361.41
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0008	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,547.18	452.91
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0009	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,694.00	452.91
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0010	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,835.84	521.53
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0011	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,206.35	667.92
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0012		EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,323.17	667.92
			For NEMA 3R Panelboard, Add	*925.34*	
			For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0013		EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,437.73	764.00
			For NEMA 3R Panelboard, Add	*925.34*	
			For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0014		EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,622.31	764.00
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0015		EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,735.94	860.06
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0016		EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,905.06	860.06
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0017		EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,008.89	951.57
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0018		EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,178.35	951.57
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0019		EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,334.48	1,052.21
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0020		EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,442.15	1,052.21
			For NEMA 3R Panelboard, Add	*1,137.64*	
			For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0021		EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,599.85	1,052.21
			For NEMA 3R Panelboard, Add	*1,137.64*	
			For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0023		EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,144.69	251.62
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0024		EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,280.12	251.62
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0025		EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,593.04	430.03
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0026		EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,806.26	430.03
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0027		EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,952.25	526.11
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0028		EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,104.47	526.11
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0029		EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,239.68	631.33
			For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0030		EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,708.92	631.33
			For NEMA 3R Panelboard, Add	*925.34*	
			For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0031		EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,829.52	773.15
			For NEMA 3R Panelboard, Add	*925.34*	
			For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0032		EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,960.50	773.15
			For NEMA 3R Panelboard, Add	*925.34*	
			For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0033		EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,103.94	869.22
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0034		EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,220.29	869.22
			For NEMA 3R Panelboard, Add	*1,093.05*	
			For Door-In-Door (Hinged) Trim Front, Add	*115.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0035	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,344.33	951.57
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0036	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,477.23	951.57
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0037	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,620.46	1,125.41
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0038	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,775.75	1,125.41
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0039	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	3,945.32	1,125.41
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0040	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,050.30	1,189.45
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0042	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,168.26	297.36
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0043	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,312.09	297.36
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0044	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,475.18	398.01
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0045	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,646.29	398.01
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0046	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,799.83	489.50
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0047	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,963.92	489.50
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0048	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,118.39	581.01
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0049	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,278.54	581.01
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0050	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,426.91	681.65
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0051	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,597.79	681.65
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0052	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,772.32	786.88
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0053	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,943.15	786.88
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0054	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,285.84	951.57
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0055	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,403.05	951.57
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0056	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,602.09	1,056.78
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0057	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,783.40	1,056.78
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0058	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,911.04	1,152.86
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0059	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,092.90	1,152.86
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0060	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,971.02	1,022.93
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0061	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,100.33	1,075.09
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0062	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,308.45	1,132.28
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0063	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,503.63	1,198.61
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0064	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,639.33	1,235.20
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0065	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,859.05	1,310.69
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,385.91	288.21
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0068	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,531.60	288.21
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0069	EA	50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,704.50	379.71
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0070	EA	50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,943.32	379.71
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0071	EA	100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,300.77	571.85
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0072	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,450.67	571.85
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0073	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,613.20	667.92
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0074	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,748.90	667.92
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0075	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,931.12	773.15
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0076	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,056.34	773.15
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0077	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,257.58	869.22
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0078	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,429.74	869.22
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0079	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,028.87	1,006.46
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0080	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,207.91	1,061.36
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0081	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,284.52	1,061.36
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0082	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,485.73	1,198.61
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0083	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,625.50	1,198.61
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0084	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,718.47	1,198.61
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0085	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	4,734.50	1,102.54
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0086	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	4,930.43	1,166.58
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0087	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,009.67	1,198.61
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0088	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,226.95	1,271.80
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0089	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,365.96	1,308.40
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0090	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,497.96	1,354.15
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0092	EA	100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,315.57	292.79
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0093	EA	100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,505.22	292.79
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0094	EA	100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,687.04	402.59
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0095	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,876.66	402.59
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0096	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,053.49	503.23
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0097	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,239.83	503.23
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0098	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,434.33	608.45
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0099	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,612.52	608.45
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0100	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,808.48	722.83
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0101	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,997.66	722.83
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0102	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,171.54	823.47
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0103	EA	100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,357.89	823.47
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0104	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,756.60	1,001.89
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0105	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,942.74	1,001.89
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0106	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,140.93	1,097.96
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0107	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,285.45	1,097.96
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0108	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,506.05	1,212.33
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0109	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,663.36	1,212.33
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0110		**480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0111	EA	50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,672.23	311.09
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0112	EA	50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,857.54	338.54
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0113	EA	50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,044.91	420.88
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0114	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,458.46	512.38
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0115	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,637.62	567.28
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0116	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,800.69	613.02
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0117	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,980.68	667.92
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0118	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,153.77	722.83
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0119	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,311.93	768.57
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0120	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,481.80	814.32
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0121	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,665.82	869.22
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0122	EA	100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,867.17	937.84
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0123	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,856.45	1,043.06
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0124	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,049.43	1,107.10
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0125	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,185.90	1,134.56
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0126	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,403.20	1,207.76
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0127	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,553.56	1,253.50
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0128	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,709.58	1,292.85
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0129		**277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Amp Rating , 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,598.73	320.24
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0131	EA	100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,809.95	320.24
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0132	EA	100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,015.60	425.46
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0133	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,222.97	425.46
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0134	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,433.76	526.11
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0135	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,640.13	526.11
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0136	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,849.94	631.33
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0137	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,058.85	631.33
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0138	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,287.45	741.12
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0139	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,478.35	741.12
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0140	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,680.26	745.70
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0141	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,895.45	745.70
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0142	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,438.60	1,033.92
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0143	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,658.66	1,033.92
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0144	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,827.79	1,088.81
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0145	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,068.42	1,162.01
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0146	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	5,249.21	1,162.01
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0147	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	5,516.66	1,271.80
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0148		**277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	2,074.04	393.44
		For NEMA 3R Panelboard, Add	*841.43*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0150	EA	50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,290.35	393.44
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0151	EA	50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,498.36	521.53
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0152	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,976.19	521.53
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,177.02	658.78
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,377.52	658.78
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,571.13	754.85
		For NEMA 3R Panelboard, Add	*841.43*	
26 24 16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,749.80	754.85
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,940.18	860.06
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,144.70	860.06
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,320.10	951.57
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0160	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,504.35	951.57
		For NEMA 3R Panelboard, Add	*925.34*	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0161	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,875.44	1,125.41
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0162	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,099.77	1,125.41
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0163	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,264.28	1,230.62
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0164	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,515.45	1,230.62
		For NEMA 3R Panelboard, Add	*1,093.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0165	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,695.40	1,345.00
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0166	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,881.61	1,345.00
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0167	EA	400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	8,159.76	1,497.80
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0168	EA	600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	9,931.03	1,797.90
		For NEMA 3R Panelboard, Add	*1,137.64*	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	508.09	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0173	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	584.80	
26 24 16 00-0174	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	797.18	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0175	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	920.31	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0176	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,041.59	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0177	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,165.28	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0178	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,265.27	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0179	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,385.75	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0180	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,510.35	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0181	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,610.07	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0182	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,759.06	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	756.09	
26 24 16 00-0185	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	857.01	
26 24 16 00-0186	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,373.80	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0187	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,525.80	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0188	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,668.80	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0189	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,891.32	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0190	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,062.77	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0191	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,217.43	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,025.49	
26 24 16 00-0194	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,096.29	
26 24 16 00-0195	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,296.35	
26 24 16 00-0196	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,417.01	
26 24 16 00-0197	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,528.93	
26 24 16 00-0198	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,748.22	
26 24 16 00-0199	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,841.80	
26 24 16 00-0200	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,956.37	
26 24 16 00-0201	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,126.31	
26 24 16 00-0202	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,222.39	
26 24 16 00-0203	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,362.20	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0204		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*		
26 24 16 00-0205	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,267.58	
26 24 16 00-0206	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,362.09	
26 24 16 00-0207	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,968.57	
26 24 16 00-0208	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,108.73	
26 24 16 00-0209	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,242.87	
26 24 16 00-0210	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,453.06	
26 24 16 00-0211	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,618.60	
26 24 16 00-0212	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,771.79	
26 24 16 00-0213		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0215	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	572.82	
26 24 16 00-0216	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	673.81	
26 24 16 00-0217	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	758.77	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0218	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	859.63	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0219	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	989.57	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0220	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,096.03	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0221	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,263.88	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0222	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,362.11	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0223	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,470.63	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0224	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,619.79	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0225	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,787.42	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0226	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,113.59	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0227		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0228	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	886.39	
26 24 16 00-0229	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	999.83	
26 24 16 00-0230	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,148.12	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0231	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,700.03	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0232	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,841.07	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0233	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,973.11	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0234	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,729.08	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0235	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,888.64	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0236	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,020.94	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,090.22	
26 24 16 00-0239	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,185.29	
26 24 16 00-0240	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,263.85	
26 24 16 00-0241	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,358.80	
26 24 16 00-0242	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,486.28	
26 24 16 00-0243	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,583.37	
26 24 16 00-0244	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,846.81	
26 24 16 00-0245	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,938.64	
26 24 16 00-0246	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,041.25	
26 24 16 00-0247	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,235.74	
26 24 16 00-0248	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,392.04	
26 24 16 00-0249	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,718.21	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,397.88	
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,504.91	
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,649.75	
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,294.80	
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,424.00	
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,547.18	
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,807.44	
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,972.12	
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,113.10	

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	820.21	
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	900.52	
26 24 16 00-0264	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,243.95	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0265	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,387.28	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0266	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,511.27	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0267	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,508.66	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0268	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,590.25	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0269	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,727.79	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0270	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,828.61	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0271	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,960.12	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0272	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,140.75	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0274	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,679.23	
26 24 16 00-0275	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,732.23	
26 24 16 00-0276	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,880.74	
26 24 16 00-0277	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,982.18	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0278	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,184.94	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0279	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,839.54	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0280	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,965.34	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0281	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,127.68	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0282	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,230.20	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0283	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,400.74	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0284	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,555.12	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0286	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,319.87	
26 24 16 00-0287	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,400.18	
26 24 16 00-0288	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,731.79	
26 24 16 00-0289	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,960.86	
26 24 16 00-0290	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,074.98	
26 24 16 00-0291	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,072.38	
26 24 16 00-0292	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,139.19	
26 24 16 00-0293	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,255.54	
26 24 16 00-0294	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,405.64	
26 24 16 00-0295	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,525.09	
26 24 16 00-0296	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,679.77	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,285.33	
26 24 16 00-0299	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,338.33	
26 24 16 00-0300	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,373.01	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0301	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,470.01	
26 24 16 00-0302	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,758.52	
26 24 16 00-0303	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,403.26	
26 24 16 00-0304	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,514.27	
26 24 16 00-0305	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,655.43	
26 24 16 00-0306	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,757.94	
26 24 16 00-0307	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,914.96	
26 24 16 00-0308	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,067.27	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	853.72	
26 24 16 00-0312	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	934.52	
26 24 16 00-0313	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,081.53	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0314	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,293.26	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0315	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,437.66	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0316	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,560.70	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0317	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,573.82	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0318	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,671.07	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0319	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,807.56	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0320	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,908.55	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0321	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,040.70	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0322	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,222.00	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,851.70	
26 24 16 00-0325	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,905.19	
26 24 16 00-0326	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,064.59	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0327	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,117.81	
26 24 16 00-0328	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,219.67	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0329	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,421.91	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0330	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,117.62	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0331	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,244.94	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0332	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,405.57	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	
26 24 16 00-0333	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,563.41	
		For Door-In-Door (Hinged) Trim Front, Add	*67.62*	
26 24 16 00-0334	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,735.60	
		For Door-In-Door (Hinged) Trim Front, Add	*115.48*	
26 24 16 00-0335	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,889.88	
		For Door-In-Door (Hinged) Trim Front, Add	*147.59*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,353.38	
26 24 16 00-0338	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,434.18	
26 24 16 00-0339	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,573.80	
26 24 16 00-0340	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,781.10	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0341	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,011.24	
26 24 16 00-0342	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,124.42	
26 24 16 00-0343	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,139.02	
26 24 16 00-0344	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,220.00	
26 24 16 00-0345	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,335.31	
26 24 16 00-0346	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,485.57	
26 24 16 00-0347	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,605.41	
26 24 16 00-0348	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,760.09	
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*		
26 24 16 00-0350	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,339.53	
26 24 16 00-0351	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,393.03	
26 24 16 00-0352	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,638.16	
26 24 16 00-0353	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,610.07	
26 24 16 00-0354	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,707.50	
26 24 16 00-0355	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,995.49	
26 24 16 00-0356	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,681.34	
26 24 16 00-0357	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,793.88	
26 24 16 00-0358	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,933.32	
26 24 16 00-0359	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,091.15	
26 24 16 00-0360	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,249.55	
26 24 16 00-0361	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,401.36	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: Square D I-Line or equal.		
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0364	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,466.29	272.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	
26 24 16 00-0365	EA	400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,713.29	272.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.32*	
26 24 16 00-0366	EA	400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,899.29	272.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.32*	
26 24 16 00-0367	EA	600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,177.57	447.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.21*	
26 24 16 00-0368	EA	600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,321.53	447.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.21*	
26 24 16 00-0369	EA	600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,479.50	447.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.21*	
26 24 16 00-0370	EA	800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,687.89	594.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*356.52*	
26 24 16 00-0371	EA	800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,826.55	595.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*357.61*	
26 24 16 00-0372	EA	800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,882.81	594.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*356.52*	
26 24 16 00-0373	EA	800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,339.53	594.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*356.52*	
26 24 16 00-0374	EA	1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,362.15	894.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*536.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0375	EA	1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,673.00	894.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*536.42*	
26 24 16 00-0376	EA	1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,927.16	894.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*536.42*	
26 24 16 00-0377	EA	1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,237.37	894.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*536.42*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,813.55	278.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.82*	
26 24 16 00-0380	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,689.58	315.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.22*	
26 24 16 00-0381	EA	400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,869.21	315.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.22*	
26 24 16 00-0382	EA	400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,397.91	315.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.22*	
26 24 16 00-0383	EA	600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,744.51	516.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.19*	
26 24 16 00-0384	EA	600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,041.54	518.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.01*	
26 24 16 00-0385	EA	600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,285.95	516.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.19*	
26 24 16 00-0386	EA	800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,266.16	691.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*414.68*	
26 24 16 00-0387	EA	800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,617.36	688.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*413.21*	
26 24 16 00-0388	EA	800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,967.70	688.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*413.21*	

26 24 16 00-0389 Branch Circuit Breakers *(26 24 16 00-0001)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0391	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.52	16.47
		For Bolt-On, Add	*11.72*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0392	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.52	16.47
		For Bolt-On, Add	*11.72*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0393	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	59.44	20.58
		For Bolt-On, Add	*15.44*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 24 16 00-0394	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	81.14	20.13
		For Bolt-On, Add	*17.83*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 24 16 00-0395	EA	1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	108.05	20.13
		For Bolt-On, Add	*21.19*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 24 16 00-0396	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	123.40	20.13
		For Bolt-On, Add	*23.11*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0397	EA	1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	66.32	20.13
		For Bolt-On, Add	*15.98*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 24 16 00-0398	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	68.59	24.70
		For Bolt-On, Add	*18.18*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0399	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	68.59	24.70
		For Bolt-On, Add	*18.18*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0400	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	100.58	32.94
		For Bolt-On, Add	*25.38*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0401	EA	2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	157.67	41.17
		For Bolt-On, Add	*35.72*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0402	EA	2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	183.69	45.75
		For Bolt-On, Add	*40.57*	
		For Installation In New Panelboard, Deduct	*-25.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.19*	
26 24 16 00-0403	EA	2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	149.93	29.28
		For Bolt-On, Add	*30.27*	
		For Installation In New Panelboard, Deduct	*-16.47*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 24 16 00-0404	EA	2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	193.95	29.28
		For Bolt-On, Add	*35.77*	
		For Installation In New Panelboard, Deduct	*-16.47*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 24 16 00-0405	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	121.11	32.94
		For Bolt-On, Add	*27.95*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0406	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	121.11	32.94
		For Bolt-On, Add	*27.95*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0407	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	157.41	41.17
		For Bolt-On, Add	*35.69*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0408	EA	3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	229.53	49.41
		For Bolt-On, Add	*47.90*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0409	EA	3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	289.26	57.65
		For Bolt-On, Add	*58.58*	
		For Installation In New Panelboard, Deduct	*-32.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.43*	

26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0411	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	56.47	16.47
		For Bolt-On, Add	*13.46*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0412	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	56.47	16.47
		For Bolt-On, Add	*13.46*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0413	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	95.08	20.58
		For Bolt-On, Add	*19.89*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0414	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	138.50	20.13
		For Bolt-On, Add	*25.00*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 24 16 00-0415	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.30	24.70
		For Bolt-On, Add	*22.77*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0416	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.30	24.70
		For Bolt-On, Add	*22.77*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0417	EA	2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	197.03	32.94
		For Bolt-On, Add	*37.44*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0418	EA	2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	265.99	41.17
		For Bolt-On, Add	*49.26*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0419	EA	2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	380.84	45.75
		For Bolt-On, Add	*65.22*	
		For Installation In New Panelboard, Deduct	*-25.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.19*	
26 24 16 00-0420	EA	3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	163.70	32.94
		For Bolt-On, Add	*33.27*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0421	EA	3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	163.70	32.94
		For Bolt-On, Add	*33.27*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0422	EA	3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	239.50	41.17
		For Bolt-On, Add	*45.95*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0423	EA	3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	334.69	49.41
		For Bolt-On, Add	*61.05*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0424	EA	3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	505.84	57.65
		For Bolt-On, Add	*85.65*	
		For Installation In New Panelboard, Deduct	*-32.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.43*	
26 24 16 00-0425	EA	3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	580.61	61.77
		For Bolt-On, Add	*96.60*	
		For Installation In New Panelboard, Deduct	*-34.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.18*	
26 24 16 00-0426	EA	3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	623.45	65.87
		For Bolt-On, Add	*103.55*	
		For Installation In New Panelboard, Deduct	*-36.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.92*	
26 24 16 00-0427	EA	3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	732.50	69.99
		For Bolt-On, Add	*118.78*	
		For Installation In New Panelboard, Deduct	*-38.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.67*	

26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0429	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	65.63	16.47
		For Bolt-On, Add	*14.61*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0430	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	65.63	16.47
		For Bolt-On, Add	*14.61*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0431	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	104.14	20.58
		For Bolt-On, Add	*21.02*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 24 16 00-0432	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	129.18	24.70
		For Bolt-On, Add	*25.76*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0433	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	129.18	24.70
		For Bolt-On, Add	*25.76*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0434	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	219.93	32.94
		For Bolt-On, Add	*40.30*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0435	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	535.97	41.17
		For Bolt-On, Add	*83.01*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0436	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	203.12	32.94
		For Bolt-On, Add	*38.20*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0437	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	203.12	32.94
		For Bolt-On, Add	*38.20*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0438	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	268.19	41.17
		For Bolt-On, Add	*49.54*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0439	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	662.47	49.41
		For Bolt-On, Add	*102.02*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	

26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0441	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	73.41	16.47
		For Bolt-On, Add	*15.58*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0442	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	73.41	16.47
		For Bolt-On, Add	*15.58*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0443	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	87.30	20.58
		For Bolt-On, Add	*18.92*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 24 16 00-0444	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	137.46	20.13
		For Bolt-On, Add	*24.87*	
		For Installation In New Panelboard, Deduct	*-10.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 24 16 00-0445	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	149.48	24.70
		For Bolt-On, Add	*28.29*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0446	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	149.48	24.70
		For Bolt-On, Add	*28.29*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0447	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	183.15	32.94
		For Bolt-On, Add	*35.70*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0448	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	260.06	41.17
		For Bolt-On, Add	*48.52*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0449	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	331.35	45.75
		For Bolt-On, Add	*59.03*	
		For Installation In New Panelboard, Deduct	*-25.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.19*	
26 24 16 00-0450	EA	2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	411.81	53.53
		For Bolt-On, Add	*72.29*	
		For Installation In New Panelboard, Deduct	*-29.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.68*	
26 24 16 00-0451	EA	2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	446.84	61.77
		For Bolt-On, Add	*79.87*	
		For Installation In New Panelboard, Deduct	*-34.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.18*	
26 24 16 00-0452	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	183.49	32.94
		For Bolt-On, Add	*35.75*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0453	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	183.49	32.94
		For Bolt-On, Add	*35.75*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0454	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	216.82	41.17
		For Bolt-On, Add	*43.12*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0455	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	321.25	49.41
		For Bolt-On, Add	*59.37*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0456	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	421.00	64.05
		For Bolt-On, Add	*77.44*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0457	EA	3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	517.18	74.11
		For Bolt-On, Add	*93.47*	
		For Installation In New Panelboard, Deduct	*-41.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 24 16 00-0458	EA	3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	549.63	78.69
		For Bolt-On, Add	*99.13*	
		For Installation In New Panelboard, Deduct	*-43.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.15*	

26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0460	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	154.55	24.70
		For Bolt-On, Add	*28.93*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0461	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	154.55	24.70
		For Bolt-On, Add	*28.93*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0462	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	232.18	32.94
		For Bolt-On, Add	*41.83*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0463	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	369.62	41.17
		For Bolt-On, Add	*62.22*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0464	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	568.04	51.23
		For Bolt-On, Add	*91.02*	
		For Installation In New Panelboard, Deduct	*-28.59*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.31*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0465	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	640.94	53.53
		For Bolt-On, Add	*100.93*	
		For Installation In New Panelboard, Deduct	*-29.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.68*	
26 24 16 00-0466	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	702.35	61.77
		For Bolt-On, Add	*111.81*	
		For Installation In New Panelboard, Deduct	*-34.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.18*	
26 24 16 00-0467	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	220.54	32.94
		For Bolt-On, Add	*40.38*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0468	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	220.54	32.94
		For Bolt-On, Add	*40.38*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0469	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	277.62	41.17
		For Bolt-On, Add	*50.72*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0470	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	458.70	49.41
		For Bolt-On, Add	*76.55*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0471	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	665.28	64.05
		For Bolt-On, Add	*107.98*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0472	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	785.07	74.11
		For Bolt-On, Add	*126.95*	
		For Installation In New Panelboard, Deduct	*-41.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 24 16 00-0473	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	848.18	78.69
		For Bolt-On, Add	*136.44*	
		For Installation In New Panelboard, Deduct	*-43.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.15*	

26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0475	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	159.59	24.70
		For Bolt-On, Add	*29.56*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0476	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	159.59	24.70
		For Bolt-On, Add	*29.56*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0477	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	278.71	32.94
		For Bolt-On, Add	*47.65*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0478	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	498.64	41.17
		For Bolt-On, Add	*78.34*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0479	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	781.30	51.23
		For Bolt-On, Add	*117.68*	
		For Installation In New Panelboard, Deduct	*-28.59*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.31*	
26 24 16 00-0480	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	886.22	53.53
		For Bolt-On, Add	*131.59*	
		For Installation In New Panelboard, Deduct	*-29.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.68*	
26 24 16 00-0481	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	967.03	61.77
		For Bolt-On, Add	*144.90*	
		For Installation In New Panelboard, Deduct	*-34.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0482	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	255.44	32.94
		For Bolt-On, Add	*44.74*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0483	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	255.44	32.94
		For Bolt-On, Add	*44.74*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0484	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	338.11	41.17
		For Bolt-On, Add	*58.28*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0485	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	606.11	49.41
		For Bolt-On, Add	*94.98*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0486	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	766.62	64.05
		For Bolt-On, Add	*120.65*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0487	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,206.19	74.11
		For Bolt-On, Add	*179.59*	
		For Installation In New Panelboard, Deduct	*-41.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.41*	
26 24 16 00-0488	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,284.21	78.69
		For Bolt-On, Add	*190.95*	
		For Installation In New Panelboard, Deduct	*-43.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.15*	

26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0490	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	86.11	16.47
		For Bolt-On, Add	*17.17*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0491	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	86.11	16.47
		For Bolt-On, Add	*17.17*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0492	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	144.18	20.58
		For Bolt-On, Add	*26.03*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 24 16 00-0493	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	180.23	24.70
		For Bolt-On, Add	*32.14*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0494	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	180.23	24.70
		For Bolt-On, Add	*32.14*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0495	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	321.42	32.94
		For Bolt-On, Add	*52.99*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0496	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	583.94	41.17
		For Bolt-On, Add	*89.01*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0497	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,118.24	51.23
		For Bolt-On, Add	*159.79*	
		For Installation In New Panelboard, Deduct	*-28.59*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.31*	
26 24 16 00-0498	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	292.68	32.94
		For Bolt-On, Add	*49.40*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0499	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	292.68	32.94
		For Bolt-On, Add	*49.40*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0500	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	389.85	41.17
		For Bolt-On, Add	*64.74*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0501	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	718.56	49.41
		For Bolt-On, Add	*109.03*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	
26 24 16 00-0502	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,390.24	64.05
		For Bolt-On, Add	*198.60*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0503		Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0504	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	121.89	16.47
		For Bolt-On, Add	*21.64*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0505	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	121.89	16.47
		For Bolt-On, Add	*21.64*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0506	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	182.24	20.58
		For Bolt-On, Add	*30.79*	
		For Installation In New Panelboard, Deduct	*-11.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 24 16 00-0507	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	221.63	24.70
		For Bolt-On, Add	*37.31*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0508	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	221.63	24.70
		For Bolt-On, Add	*37.31*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0509	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	410.54	32.94
		For Bolt-On, Add	*64.13*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0510	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	735.16	41.17
		For Bolt-On, Add	*107.91*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0511	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,446.13	45.75
		For Bolt-On, Add	*198.38*	
		For Installation In New Panelboard, Deduct	*-25.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.19*	
26 24 16 00-0512	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	375.64	32.94
		For Bolt-On, Add	*59.77*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0513	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	375.64	32.94
		For Bolt-On, Add	*59.77*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0514	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	518.02	41.17
		For Bolt-On, Add	*80.77*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0515	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	831.01	49.41
		For Bolt-On, Add	*123.09*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0516	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,828.53	64.05
		For Bolt-On, Add	*253.38*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0517		Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0518	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	60.13	16.47
		For Bolt-On, Add	*13.92*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0519	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	121.23	24.70
		For Bolt-On, Add	*24.76*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0520	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	188.75	32.94
		For Bolt-On, Add	*36.40*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0521	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	115.76	16.47
		For Bolt-On, Add	*20.87*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0522	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	115.76	16.47
		For Bolt-On, Add	*20.87*	
		For Installation In New Panelboard, Deduct	*-9.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0523	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	230.63	32.94
		For Bolt-On, Add	*41.64*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0524	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	255.74	24.70
		For Bolt-On, Add	*41.58*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0525	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	255.74	24.70
		For Bolt-On, Add	*41.58*	
		For Installation In New Panelboard, Deduct	*-13.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0526	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	487.40	32.94
		For Bolt-On, Add	*73.74*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0527	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	820.47	41.17
		For Bolt-On, Add	*118.57*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0528	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,787.99	51.23
		For Bolt-On, Add	*243.51*	
		For Installation In New Panelboard, Deduct	*-28.59*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.31*	
26 24 16 00-0529	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	424.43	32.94
		For Bolt-On, Add	*65.86*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0530	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	424.43	32.94
		For Bolt-On, Add	*65.86*	
		For Installation In New Panelboard, Deduct	*-18.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0531	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	588.85	41.17
		For Bolt-On, Add	*89.62*	
		For Installation In New Panelboard, Deduct	*-22.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0532	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	893.05	49.41
		For Bolt-On, Add	*130.84*	
		For Installation In New Panelboard, Deduct	*-27.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.94*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0533	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,223.23	64.05
		For Bolt-On, Add	*302.72*	
		For Installation In New Panelboard, Deduct	*-35.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.55*	
26 24 16 00-0534		Residential Lighting And Power Panelboards *(26 24 16 00-0001)*		
26 24 16 00-0535		Residential Type Unassembled Load Center *(26 24 16 00-0534)*		
		Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536		Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase *(26 24 16 00-0535)*		
26 24 16 00-0537	EA	30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	122.66	45.75
26 24 16 00-0538	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	412.29	182.99
26 24 16 00-0539	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	622.66	261.22
26 24 16 00-0540	EA	125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,330.66	549.07
26 24 16 00-0541	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,455.04	594.73
26 24 16 00-0542		Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC *(26 24 16 00-0535)*		
		Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543	EA	60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	170.41	50.32
26 24 16 00-0544	EA	125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	303.96	54.90
26 24 16 00-0545		Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof *(26 24 16 00-0535)*		
26 24 16 00-0546	EA	40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	173.26	50.32
26 24 16 00-0547	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	193.22	54.90
26 24 16 00-0548	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	679.77	261.22
26 24 16 00-0549	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,541.94	594.73
26 24 16 00-0550		Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC *(26 24 16 00-0535)*		
		Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551	EA	60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	213.86	50.32
26 24 16 00-0552	EA	125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	1,489.68	549.07
26 24 16 00-0553		Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase *(26 24 16 00-0535)*		
26 24 16 00-0554	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,601.29	549.07
26 24 16 00-0555	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,738.08	594.73
26 24 16 00-0556	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	6,068.89	914.96
26 24 16 00-0557		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC *(26 24 16 00-0535)*		
		Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,322.31	549.07
26 24 16 00-0559	EA	150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,532.97	594.73
26 24 16 00-0560	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	6,675.57	914.96
26 24 16 00-0561		Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof *(26 24 16 00-0535)*		
26 24 16 00-0562	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,681.98	549.07
26 24 16 00-0563	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,875.88	594.73
26 24 16 00-0564		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC *(26 24 16 00-0535)*		
		Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,456.13	549.07
26 24 16 00-0566	EA	155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,547.49	594.73
26 24 16 00-0567		Residential Type Assembled Load Center *(26 24 16 00-0534)*		
26 24 16 00-0568		Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569	EA	100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	623.04	261.22
26 24 16 00-0570	EA	100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	758.04	305.14
26 24 16 00-0571	EA	100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	636.69	261.22
26 24 16 00-0572	EA	100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	761.76	305.14

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0573	EA	200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,103.94	406.70
26 24 16 00-0574	EA	200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,302.77	488.13
26 24 16 00-0575	EA	200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,489.99	563.16
26 24 16 00-0576	EA	200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,641.38	609.65
26 24 16 00-0577	EA	200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,456.85	914.96
26 24 16 00-0578	EA	200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,152.36	406.70
26 24 16 00-0579	EA	200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,348.71	488.13
26 24 16 00-0580	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,535.92	563.16
26 24 16 00-0581	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,684.83	609.65
26 24 16 00-0582	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,599.61	914.96
26 24 16 00-0583	EA	400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	3,020.19	1,016.62
26 24 16 00-0584	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	3,169.16	1,016.62

26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V *(26 24 16 00-0567)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0586	EA	125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	827.56	305.14
26 24 16 00-0587	EA	125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,234.01	457.49
26 24 16 00-0588	EA	125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	868.53	305.14
26 24 16 00-0589	EA	125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,271.25	457.49
26 24 16 00-0590	EA	200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,560.75	563.16
26 24 16 00-0591	EA	200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,704.10	610.01
26 24 16 00-0592	EA	200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,085.13	732.24
26 24 16 00-0593	EA	200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,506.51	914.96
26 24 16 00-0594	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,604.20	563.16
26 24 16 00-0595	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,753.11	609.65
26 24 16 00-0596	EA	200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,251.78	731.70
26 24 16 00-0597	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,674.10	914.96
26 24 16 00-0598	EA	400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,057.43	1,016.62
26 24 16 00-0599	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,206.40	1,016.62

26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase *(26 24 16 00-0567)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0601	EA	125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	822.59	305.14
26 24 16 00-0602	EA	125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,216.63	457.49
26 24 16 00-0603	EA	200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,404.57	488.13
26 24 16 00-0604	EA	200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,610.95	563.43
26 24 16 00-0605	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,772.38	610.01
26 24 16 00-0606	EA	200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,346.93	813.41
26 24 16 00-0607	EA	200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,416.98	488.13
26 24 16 00-0608	EA	200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,635.23	563.16
26 24 16 00-0609	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,777.94	609.65
26 24 16 00-0610	EA	200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,278.65	813.41
26 24 16 00-0611	EA	400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,298.86	1,016.62
26 24 16 00-0612	EA	400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,547.14	1,016.62

26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V *(26 24 16 00-0567)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0614	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,119.98	610.01
26 24 16 00-0615	EA	200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,903.76	914.96
26 24 16 00-0616	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,193.82	609.65
26 24 16 00-0617	EA	200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,978.25	914.96

26 24 16 00-0618 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

26 24 16 00-0619 Midget Finger-Safe Fuse Holders *(26 24 16 00-0618)*

Note: 30 Amp capacity. Excludes fuse.

26 24 16 00-0620	EA	1 Pole Midget Finger-Safe Fuse Holder	52.69	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0621	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	60.32	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0622	EA	2 Pole Midget Finger-Safe Fuse Holder	83.90	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0623	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	103.81	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.47*	
26 24 16 00-0624	EA	3 Pole Midget Finger-Safe Fuse Holder	121.28	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0625	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	147.72	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0626	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	169.85	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0627	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	140.52	32.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.96*	
26 24 16 00-0628	EA	4 Pole Midget Finger-Safe Fuse Holder	152.56	41.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	
26 24 16 00-0629	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	181.60	41.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.45*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0630	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	60.35	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0631	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	64.40	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 24 16 00-0632	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	61.09	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	

26 24 16 00-0633 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0634	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,148.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.11*	
26 24 16 00-0635	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	60.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.84*	
26 24 16 00-0636	EA	Panelboard Filler Plate, Fits 1" Opening	4.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.86*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,188.75	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,596.75	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,880.15	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	7,057.86	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	14,253.08	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	23,997.83	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,188.75	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,596.75	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	3,880.15	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	7,057.86	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	14,253.08	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	23,997.83	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,186.79	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,256.62	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,115.16	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	10,720.15	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	21,135.74	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	36,443.70	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,186.79	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,256.62	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,115.16	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	10,720.15	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	21,135.74	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	36,443.70	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,864.40	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	5,331.68	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	7,873.10	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	14,108.27	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	23,405.04	200.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,864.40	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,331.68	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	7,873.10	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	14,108.27	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	23,405.04	200.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,491.43	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,698.86	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,181.17	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	17,272.95	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	29,951.04	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,491.43	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,698.86	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,181.17	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	17,272.95	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	29,951.04	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	6,656.57	87.83
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,206.61	96.19
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	17,224.32	108.74
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	26,660.90	125.47
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	45,629.04	167.30
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	6,656.57	87.83
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,206.61	96.19
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	17,224.32	108.74
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	26,660.90	125.47
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	45,629.04	167.30

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0066		230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,517.78	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,843.10	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	10,312.76	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	17,609.02	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	24,198.61	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	
26 24 19 00-0072		480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	4,517.78	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,843.10	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	10,312.76	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	17,609.02	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	24,198.61	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	
26 24 19 00-0078		230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	18,837.67	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	19,976.80	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	22,056.99	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	33,419.89	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	45,587.92	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	61,872.44	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	
26 24 19 00-0085		480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	18,837.67	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	19,976.80	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	22,056.99	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	33,419.89	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	45,587.92	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	61,872.44	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	
26 24 19 00-0092		Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,939.39	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,347.39	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,193.24	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	9,593.13	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	17,200.68	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	28,051.30	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	2,939.39	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,347.39	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,193.24	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	9,593.13	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	17,200.68	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	28,051.30	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,931.09	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,992.46	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	7,398.65	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	13,221.59	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	24,024.13	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,931.09	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	4,992.46	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	7,398.65	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	13,221.59	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	24,024.13	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,596.02	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,052.72	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,135.45	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	16,580.10	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	26,270.17	200.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,596.02	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,052.72	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,135.45	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0129		EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	16,580.10	171.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0130		EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	26,270.17	200.76
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	

26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0132		EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,306.68	125.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0133		EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,499.21	133.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0134		EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,537.55	142.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0135		EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,823.91	163.11
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.87*	
26 24 19 00-0136		EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	32,892.94	192.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.44*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138		EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,306.68	125.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0139		EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,499.21	133.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0140		EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,537.55	142.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0141		EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,823.91	163.11
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.87*	
26 24 19 00-0142		EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	32,892.94	192.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.44*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144		EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,367.03	87.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0145		EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	11,881.28	96.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.72*	
26 24 19 00-0146		EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	20,102.14	108.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0147		EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	30,469.09	125.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0148		EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	50,147.70	167.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150		EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	7,367.03	87.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0151		EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	11,881.28	96.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.72*	
26 24 19 00-0152		EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	20,102.14	108.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0153		EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	30,469.09	125.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0154		EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	50,147.70	167.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156		EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,249.39	133.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0157		EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	6,559.91	154.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0158		EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	11,566.65	171.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0159		EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	20,522.78	209.12
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	30,292.56	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,249.39	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	6,559.91	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	11,566.65	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	20,522.78	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	30,292.56	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	19,444.53	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	20,577.32	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	22,636.36	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	33,899.88	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	45,960.07	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	64,424.63	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	19,444.56	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.26*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	20,577.32	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	22,636.36	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	33,899.88	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	45,960.07	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	64,424.63	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,943.47	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,691.90	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,561.01	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,066.47	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	13,115.49	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	23,416.34	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,943.47	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,691.90	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,561.01	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,066.47	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	13,115.49	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	23,416.34	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,159.30	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,721.81	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	7,574.16	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	12,361.00	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	19,033.94	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	32,373.31	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,159.30	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,721.81	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	7,574.16	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	12,361.00	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	19,033.94	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	32,373.31	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,686.79	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,086.40	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,031.69	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	14,383.15	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	22,941.96	200.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	

26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,686.79	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,086.40	142.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.32*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,031.69	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.34*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	14,383.15	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	22,941.96	200.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.46*	

26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,233.46	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,470.49	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,329.18	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	18,833.44	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0227		480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,233.46	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,470.49	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,329.18	92.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.21*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	18,833.44	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0232		230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,426.09	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	11,367.46	96.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.72*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	18,958.20	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	25,320.31	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	42,554.57	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0238		480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,426.09	87.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.70*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	11,367.46	96.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.72*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	18,958.20	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	25,320.31	125.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.28*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	42,554.57	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0244		230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,545.27	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,024.94	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	9,619.21	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	19,222.37	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0249		480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,545.27	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,024.94	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	9,619.21	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	19,222.37	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0254		230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	18,835.56	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,976.80	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,056.99	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	33,419.89	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	45,587.92	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	61,872.44	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	18,835.56	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.25*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,976.80	133.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.30*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,056.99	154.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.84*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	33,419.89	171.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.89*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	45,587.92	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	61,872.44	267.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.61*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard	103.32
26 24 19 00-0271	EA	Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	329.86
26 24 19 00-0272	EA	Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	471.53
26 24 19 00-0273	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	118.41
26 24 19 00-0274	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	167.04
26 24 19 00-0275	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	281.23
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	69.78
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	59.21
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	110.73
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	136.90
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	267.76
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	136.90
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	157.03
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	189.25
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	223.47
26 24 19 00-0285	EA	Blank Devices Panel	42.28
26 24 19 00-0286	EA	Oversize Or Special Color Starter	66.44
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	578.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	524.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	785.17
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	66.44
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	94.62
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	66.44
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	94.62
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	94.62
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	136.90
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	340.24
26 24 19 00-0297	EA	Heater Module	43.71
26 24 19 00-0298	EA	LAM - Long Acceleration Module	271.54
26 24 19 00-0299	EA	JAM - Jam Protection Module	311.28
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	590.77
26 24 19 00-0301	EA	ULM - Underload Module	283.46
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	62.26
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	116.56
26 24 19 00-0304	EA	Type SIS Control Wire	49.01
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	62.26
26 24 19 00-0306	EA	Ring Terminals Power	62.26
26 24 19 00-0307	EA	14 Gauge Control Wire	49.01
26 24 19 00-0308	EA	Wiremakers	62.26
26 24 19 00-0309	EA	Wiring Diagram On Door	37.09
26 24 19 00-0310	EA	Special Color Or Type Control Wire	45.04
26 24 19 00-0311	EA	Current Transformer 12.5 VA	353.67
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,129.88
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,271.61

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole	717.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole	838.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole	968.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.08*	
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole	1,071.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer	977.86	
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer	2,548.15	
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch	3,207.19	
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch	899.35	
26 24 19 00-0323	EA	Control Relays, Phase Voltage	1,529.84	
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator	2,141.30	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt	209.37	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay	2,527.33	
26 24 19 00-0327	EA	Control Relays, UV-Relay	2,140.55	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay	2,140.55	
26 24 19 00-0329	EA	Control Relays, Teleductor	1,577.43	
26 24 19 00-0330	EA	Control Relays, Current Transducer	4,242.16	
26 24 19 00-0331	EA	Control Relays, Watt Transducer	8,484.32	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	287.89	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	430.64	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	485.36	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	540.08	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	485.36	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	540.08	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	568.63	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip	231.19	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch	79.85	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock	287.22	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault	1,324.04	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker	766.99	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,073.85	54.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,858.52	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,787.92	54.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,571.08	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	3,298.68	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	2,047.04	108.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.26*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	3,311.52	117.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.28*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	4,367.43	150.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.30*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	5,146.00	230.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.06*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	7,291.32	347.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.45*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	15,935.81	460.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.80*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	23,794.47	577.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.97*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	39,651.16	669.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.85*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,288.82	54.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	2,067.47	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,288.82	54.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	2,067.47	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	2,186.29	54.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.62*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	2,995.01	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	3,713.59	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	1,963.75	83.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	4,977.63	230.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.06*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	4,977.63	230.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	6,695.27	250.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.50*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	8,357.35	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.58*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	9,618.43	347.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.45*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,102.47	83.64
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,683.96	83.64
26 24 19 00-0375	EA	Incoming Line And Feeder Fusible Switches, 100 Amps	1,859.75	104.56
26 24 19 00-0376	EA	Incoming Line And Feeder Fusible Switches, 200 Amps	3,015.56	125.47
26 24 19 00-0377	EA	Incoming Line And Feeder Fusible Switches, 400 Amps	5,926.76	158.93
26 24 19 00-0378	EA	Incoming Line And Feeder Fusible Switches, 600 Amps	8,310.57	209.12
26 24 19 00-0379	EA	Incoming Line And Feeder Fusible Switches, 800 Amps	20,167.62	280.22
26 24 19 00-0380	EA	Incoming Line And Feeder Fusible Switches, 1,200 Amps	22,768.34	388.96

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,025.25
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,058.32
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,092.90
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,253.75
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	1,358.98
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	1,421.29
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	1,849.06
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	2,083.58
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	4,843.64
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	2,570.65
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	3,561.32
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	5,550.19
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	5,139.79
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	7,122.64
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	6,795.18
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	9,412.58

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	648.27
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,417.34
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	583.85
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,417.34
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	787.18
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	835.50
26 24 19 00-0405	EA	Add For Additional Circuits	72.85
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	2,923.25
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,062.17
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	2,699.78
26 24 19 00-0409	EA	Add For Demand Attachment	476.85
26 24 19 00-0410	EA	Metering Equipment, Current Transformer, 800 Amp	807.32
26 24 19 00-0411	EA	Metering Equipment, Current Transformer, 1,000 Amp	1,393.18
26 24 19 00-0412	EA	Metering Equipment, Current Transformer, 2,000 Amp	1,622.69
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,352.91
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,455.59
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,113.33

26 24 19 00-0416 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0417	EA	Current Limiting Reactors, 600 Amps	18,555.26
26 24 19 00-0418	EA	Current Limiting Reactors, 800 Amps	27,021.85
26 24 19 00-0419	EA	Current Limiting Reactors, 1,000 Amps	35,507.99
26 24 19 00-0420	EA	Current Limiting Reactors, 1,200 Amps	54,049.72

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only *(26 24 19 00-0268)*

26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	458.84
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	458.84
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	634.35
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,160.85
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	634.35
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	809.85
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	809.85
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,158.74
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	809.85
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,158.74
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	985.35
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,194.99
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	985.35
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,158.74

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,194.99	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,194.99	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	521.89	
26 24 19 00-0439	EA	Throat And Transition To Substation	1,007.50	
26 24 19 00-0440	EA	Service Entrance Label	218.19	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	456.07	
26 24 19 00-0442	EA	600 Ampere Sub Feed Lugs On Main Bus	316.58	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	144.08	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	144.08	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	445.71	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	502.71	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	43.02	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	116.09	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	24.36	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	104.69	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	385.46	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	104.69	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	249.02	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	3,552.57	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	4,106.25	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	4,110.22	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	501.86	250.94
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	752.79	376.42
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	836.48	418.23
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	1,003.86	501.89
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	83.64	41.83
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	501.86	250.94
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	752.79	376.42
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	836.48	418.23
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	1,003.86	501.89
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	83.64	41.83
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps	585.54	292.76
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps	752.79	376.42
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps	1,003.86	501.89
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps	1,170.92	585.44
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	125.47	62.74
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps	669.18	334.59
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps	920.20	460.06
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps	1,170.92	585.44
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps	1,338.12	669.10
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	167.30	83.64
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps	669.18	334.59
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps	1,003.86	501.89
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps	1,254.58	627.27
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps	1,422.10	711.09
26 24 19 00-0483	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps	167.30	83.64
26 24 19 00-0484		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0485		**2.4 KV Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	14,485.53	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	14,485.53	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	14,485.53	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	14,527.38	188.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.93*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	15,426.02	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	15,467.83	230.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.01*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	15,509.65	250.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.56*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	15,593.33	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.66*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	15,676.97	334.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.75*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	26,440.86	376.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.84*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	28,376.72	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	21,509.94	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	22,407.46	179.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.91*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	25,458.05	196.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.94*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	28,339.29	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	30,829.65	242.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.55*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	33,779.83	259.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.59*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	36,728.25	276.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.61*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	40,224.92	301.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.68*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	46,812.50	334.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.75*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	50,719.70	355.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.32*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	77,485.25	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	82,554.25	460.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.06*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	86,965.42	501.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.16*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	94,696.73	543.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*326.28*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	20,293.04	167.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.38*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	20,334.89	188.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.93*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	20,376.68	209.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.47*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	20,418.49	230.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.01*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	20,463.78	250.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.56*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	20,505.65	271.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.12*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	20,547.46	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.66*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	20,714.71	376.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.84*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	35,344.00	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	35,427.72	460.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.06*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	37,353.17	501.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.16*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	7,974.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	8,216.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	12,587.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	15,751.99	250.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.56*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	15,793.86	271.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.12*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	15,835.67	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.66*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	15,877.52	313.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.22*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	16,767.50	334.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.75*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	16,809.37	355.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.32*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	16,851.11	376.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.84*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	16,893.01	397.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.41*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	16,934.80	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	28,723.05	543.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*326.28*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	28,806.37	585.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*351.28*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	30,733.54	627.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*376.37*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	30,817.08	669.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	21,923.01	250.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.56*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	22,207.22	271.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.12*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	25,901.44	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.66*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	28,790.79	313.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.22*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	31,255.99	334.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.75*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	34,214.59	355.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.32*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	36,991.32	376.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.84*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	40,659.67	397.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.41*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	47,106.16	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	51,485.88	439.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.49*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	55,907.46	480.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*288.60*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	59,565.39	501.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.16*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	63,015.46	522.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*313.68*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	67,843.69	543.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*326.28*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	107,578.37	669.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.44*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	119,640.88	711.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.63*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	143,828.56	752.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.67*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	152,146.03	752.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.67*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	21,639.72	292.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.66*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	21,681.57	313.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.22*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	21,723.36	334.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.75*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	21,765.23	355.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.32*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	23,631.44	376.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.84*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	23,673.34	397.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.41*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	23,715.13	418.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.94*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	23,756.96	439.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.49*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	23,798.85	460.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.06*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	24,049.57	585.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*351.28*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	38,921.18	627.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*376.37*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	40,839.59	669.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.44*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	40,839.59	669.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.44*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	9,703.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	9,999.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	15,338.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.19*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp	12,598.62	167.30
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	15,115.09	250.94
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	4,992.31	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	174.58	12.55
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,446.31	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	776.02	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,311.14	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	148.01	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	490.56	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	148.01	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	448.27	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,192.57	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,192.57	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,567.14	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,459.15	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	473.37	12.55
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	3,428.76	41.83
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	6,579.83	20.91
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,402.92	20.91
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	2,929.94	12.55
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	4,234.31	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	462.96	41.83
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	334.48	41.83

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	1,029.76	250.70
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,783.95	443.76
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,117.16	568.19
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,408.99	914.96
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,025.55	1,006.46
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	5,264.12	1,116.26
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	6,122.80	1,308.40
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	10,878.34	1,524.33

26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	778.80	320.24
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	843.58	320.24
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	1,172.07	503.23
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	3,000.19	914.96
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	4,580.90	1,326.70
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	6,573.52	1,829.93

26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	5,833.53	442.75
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	12,516.09	568.74
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	12,889.71	885.87
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	18,447.85	885.87
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	26,801.34	1,002.34
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section	5,044.25	443.30
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section	6,980.15	569.01
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section	13,717.10	886.60
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section	15,997.16	886.60
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section	22,617.88	1,003.26
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	869.73	185.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,014.77	185.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.30*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,479.62	263.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.76*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,434.74	346.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.95*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	4,420.19	433.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.94*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	827.65	161.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.50*	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	967.22	161.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.04*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,422.98	234.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.76*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,376.97	317.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.62*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	4,373.60	405.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.96*	

26 24 19 00-0638 Class I, Type C *(26 24 19 00-0625)*

26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	878.97	150.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.88*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,026.43	150.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.34*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,530.08	224.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.55*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,489.29	310.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.97*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	4,479.60	398.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.27*	

26 24 19 00-0644 Class II, Type B *(26 24 19 00-0625)*

26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	862.27	222.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.68*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,206.00	222.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.33*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,718.42	296.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.32*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,832.16	379.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.74*	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	5,166.48	463.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.95*	

26 24 19 00-0650 Class II, Type C *(26 24 19 00-0625)*

26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,091.83	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.39*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,256.53	210.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.46*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,830.35	287.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.98*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,937.74	370.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	5,284.99	457.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.59*	

26 24 19 00-0656 Fused Disconnect Combination Starter *(26 24 19 00-0484)*

26 24 19 00-0657 Class I, Type A *(26 24 19 00-0656)*

26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	791.29	171.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.04*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,198.37	234.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.33*	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,918.55	304.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.99*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,622.21	427.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.01*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	4,636.65	544.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*326.78*	

26 24 19 00-0663 Class I, Type B *(26 24 19 00-0656)*

26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	810.49	152.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.50*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,090.69	209.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.68*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,619.94	279.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.19*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,723.04	404.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.34*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	4,724.99	514.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.11*	

26 24 19 00-0669 Class I, Type C *(26 24 19 00-0656)*

26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	861.65	142.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.67*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,157.49	193.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.30*	
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,767.55	269.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.39*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,869.78	398.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.27*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	4,465.46	508.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*304.99*	

26 24 19 00-0675 Class II, Type B *(26 24 19 00-0656)*

26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,017.79	214.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.51*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,316.91	267.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.96*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,918.45	344.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.07*	
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,143.16	463.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.95*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	5,435.51	579.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*346.58*	

26 24 19 00-0681 Class II, Type C *(26 24 19 00-0656)*

26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,061.31	201.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.39*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,383.38	252.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.48*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,043.87	328.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.19*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,276.05	452.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.31*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	5,565.17	560.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*336.38*	

26 24 19 00-0687 Space Complete With Bus And Hardware *(26 24 19 00-0484)*

26 24 19 00-0688 Circuit Breaker Type *(26 24 19 00-0687)*

26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	242.25	62.22
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	242.25	62.22
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	360.42	90.58
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	424.64	118.94
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	718.07	181.17

26 24 19 00-0694 Fused Disconnect Type *(26 24 19 00-0687)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	242.25	62.22
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	318.91	90.58
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	444.96	118.94
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	774.75	181.17
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,077.02	263.51
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	118.27	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	118.27	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	179.31	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	179.31	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	356.71	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,885.71	481.55
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	4,713.72	1,254.05
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway)	4,713.72	1,254.05
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	5,233.43	1,254.05
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712	EA	Corner Section	5,233.43	1,254.05
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0713		**Motor Control Center Starters With HMCP Circuit Breaker** *(26 24 19 00-0484)*		
		Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		**FVNR Starters With HMCP Circuit Breaker** *(26 24 19 00-0713)*		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,256.54	176.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.67*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,398.76	195.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.20*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,442.04	262.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.57*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,549.85	346.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.76*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	8,172.38	432.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.64*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	19,244.13	432.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.64*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,274.33	152.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.40*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,437.28	171.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.93*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,504.48	234.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.54*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,558.60	317.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.51*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	8,193.02	409.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.96*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	19,383.90	409.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.96*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,026.37	220.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.22*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,491.96	243.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,123.43	327.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*196.63*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,122.90	433.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.94*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	12,917.44	542.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*325.23*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,065.59	190.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.18*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,552.62	214.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.75*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,206.86	293.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.96*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,150.04	397.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.27*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	12,958.45	512.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.73*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,225.07	220.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.22*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,182.12	243.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,034.94	327.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*196.63*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	8,221.06	433.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.94*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	16,553.68	542.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*325.23*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,264.29	190.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.18*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,242.78	214.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.75*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,118.38	293.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.96*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	8,248.20	397.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.27*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	16,594.69	512.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.73*	

26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,007.12	171.74
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,310.64	233.40
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,204.59	304.14
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,736.56	428.39
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	7,578.85	544.58
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	19,400.27	544.58
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,032.72	152.25
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,348.10	209.07
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,276.10	280.35
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,757.22	405.60
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	7,586.20	515.21
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	19,526.85	515.21

26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,753.31	215.02
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,444.69	291.78
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,801.40	379.99
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,027.14	536.99
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,115.34	628.39
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,802.42	190.32
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,502.63	261.13
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,895.46	350.80
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,064.72	506.07
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,143.06	592.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0774		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,052.69	215.02
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,145.45	291.78
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,732.78	379.99
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,429.85	536.99
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,012.41	628.39
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,102.68	190.32
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,203.39	261.13
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,826.84	350.80
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,467.42	506.07
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,040.13	592.62
26 24 19 00-0785		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0484)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA	600 Amp Horizontal Tin Plated Copper Bus Kit	224.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.87*	
26 24 19 00-0787	EA	800 Amp Horizontal Tin Plated Copper Bus Kit	275.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.87*	
26 24 19 00-0788	EA	1,200 Amp Horizontal Tin Plated Copper Bus Kit	331.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.25*	
26 24 19 00-0789	EA	1,600 Amp Horizontal Tin Plated Copper Bus Kit	431.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.25*	
26 24 19 00-0790	EA	2,000 Amp Horizontal Tin Plated Copper Bus Kit	726.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	127.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 24 19 00-0792		**Disconnect Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	595.59	132.21
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	991.13	146.40
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,220.35	197.18
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,984.42	259.85
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,353.77	324.81
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,798.29	324.81
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	7,667.13	406.70
26 24 19 00-0801		**Fusible Disconnect Switch For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips	694.24	128.55
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips	814.09	175.22
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips	1,118.63	224.16
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips	2,103.47	321.15
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips	3,767.00	408.44
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips	8,747.79	408.44
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips	10,813.19	510.56
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips	16,027.12	510.56
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	63.10	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	63.10	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	121.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	121.52	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	168.82	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	44.55	10.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.87*	
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	101.23	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.44*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	113.09	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.30*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	96.33	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	255.85	62.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.50*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	319.02	23.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)*		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	65.50	11.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	91.87	11.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	102.96	11.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.15*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	92.91	11.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.72*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	98.80	11.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	789.86	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	28.04	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts	149.68	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	141.24	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	78.28	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	
26 24 19 00-0837		**Motor Control Center Accessories** *(26 24 19 00-0484)*		
26 24 19 00-0838		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0837)*		
		Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,515.65	293.40
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,694.91	305.14
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,137.83	328.61
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,470.58	352.09
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,719.15	375.56
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,718.22	422.51
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	14,099.93	469.46
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,213.58	387.29
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,923.30	422.51
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,208.43	469.46
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,826.48	516.40
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,073.84	563.35
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,484.19	610.29
26 24 19 00-0852		**Bolt-On Lighting Panel** *(26 24 19 00-0837)*		
		Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	1,809.15	476.15
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,796.77	828.78
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,711.22	1,121.29
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	1,887.22	515.21
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,761.50	811.11
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,851.37	1,191.38
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,123.28	552.27
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,116.53	886.60
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,120.41	1,191.38
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,210.15	595.65
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,116.53	886.60
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,197.28	1,229.80
26 24 19 00-0865		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0837)*		
		Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker	13.28	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	243.42	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker	25.96	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker	59.77	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker	70.03	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker	106.26	
26 24 19 00-0872		**Blank Unit Door (BUD)** *(26 24 19 00-0837)*		
		Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	64.91	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	77.90	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	116.84	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	155.79	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	233.69	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	272.63	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	311.58	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 00 00-0001 Bus Ducts *(26 25)*

26 25 00 00-0002 Plug-In Bus Duct *(26 25 00 00-0001)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 00 00-0002)*

26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	249.79	27.45
		For Up To 25, Add	*62.45*	
		For >25 To 50, Add	*37.47*	
		For >50 To 100, Add	*18.73*	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	355.54	27.45
		For Up To 25, Add	*88.89*	
		For >25 To 50, Add	*53.33*	
		For >50 To 100, Add	*26.67*	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	451.23	36.59
		For Up To 25, Add	*112.81*	
		For >25 To 50, Add	*67.68*	
		For >50 To 100, Add	*33.84*	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	625.24	36.59
		For Up To 25, Add	*156.31*	
		For >25 To 50, Add	*93.79*	
		For >50 To 100, Add	*46.89*	
26 25 00 00-0008	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	659.45	45.75
		For Up To 25, Add	*164.86*	
		For >25 To 50, Add	*98.92*	
		For >50 To 100, Add	*49.46*	
26 25 00 00-0009	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	921.28	45.75
		For Up To 25, Add	*230.32*	
		For >25 To 50, Add	*138.19*	
		For >50 To 100, Add	*69.10*	
26 25 00 00-0010	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,079.47	48.04
		For Up To 25, Add	*269.87*	
		For >25 To 50, Add	*161.92*	
		For >50 To 100, Add	*80.96*	
26 25 00 00-0011	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,316.20	49.41
		For Up To 25, Add	*329.05*	
		For >25 To 50, Add	*197.43*	
		For >50 To 100, Add	*98.72*	
26 25 00 00-0012	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,626.18	52.16
		For Up To 25, Add	*406.55*	
		For >25 To 50, Add	*243.93*	
		For >50 To 100, Add	*121.96*	
26 25 00 00-0013	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,877.56	60.84
		For Up To 25, Add	*469.39*	
		For >25 To 50, Add	*281.63*	
		For >50 To 100, Add	*140.82*	
26 25 00 00-0014	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,173.66	66.33
		For Up To 25, Add	*543.42*	
		For >25 To 50, Add	*326.05*	
		For >50 To 100, Add	*163.02*	

26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 00 00-0002)*

26 25 00 00-0016	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	413.11	27.45
		For Up To 25, Add	*103.28*	
		For >25 To 50, Add	*61.97*	
		For >50 To 100, Add	*30.98*	
26 25 00 00-0017	LF	400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	598.12	27.45
		For Up To 25, Add	*149.53*	
		For >25 To 50, Add	*89.72*	
		For >50 To 100, Add	*44.86*	
26 25 00 00-0018	LF	600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	676.30	36.59
		For Up To 25, Add	*169.08*	
		For >25 To 50, Add	*101.45*	
		For >50 To 100, Add	*50.72*	
26 25 00 00-0019	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	861.05	36.59
		For Up To 25, Add	*215.26*	
		For >25 To 50, Add	*129.16*	
		For >50 To 100, Add	*64.58*	
26 25 00 00-0020	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,051.40	45.75
		For Up To 25, Add	*262.85*	
		For >25 To 50, Add	*157.71*	
		For >50 To 100, Add	*78.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0021	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,364.35	45.75
		For Up To 25, Add	*341.09*	
		For >25 To 50, Add	*204.65*	
		For >50 To 100, Add	*102.33*	
26 25 00 00-0022	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,765.37	47.40
		For Up To 25, Add	*441.34*	
		For >25 To 50, Add	*264.81*	
		For >50 To 100, Add	*132.40*	
26 25 00 00-0023	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,127.75	49.41
		For Up To 25, Add	*531.94*	
		For >25 To 50, Add	*319.16*	
		For >50 To 100, Add	*159.58*	
26 25 00 00-0024	LF	2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,640.70	51.69
		For Up To 25, Add	*660.18*	
		For >25 To 50, Add	*396.11*	
		For >50 To 100, Add	*198.05*	
26 25 00 00-0025	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,048.20	60.84
		For Up To 25, Add	*762.05*	
		For >25 To 50, Add	*457.23*	
		For >50 To 100, Add	*228.62*	
26 25 00 00-0026	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,534.31	66.33
		For Up To 25, Add	*883.58*	
		For >25 To 50, Add	*530.15*	
		For >50 To 100, Add	*265.07*	
26 25 00 00-0027		Cable Tap Boxes *(26 25 00 00-0002)*		
26 25 00 00-0028		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 00 00-0027)*		
26 25 00 00-0029	EA	225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,079.12	128.10
26 25 00 00-0030	EA	400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,142.38	128.10
26 25 00 00-0031	EA	600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,312.14	173.84
26 25 00 00-0032	EA	800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,456.18	173.84
26 25 00 00-0033	EA	1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,631.00	228.74
26 25 00 00-0034	EA	1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,881.36	228.74
26 25 00 00-0035		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 00 00-0027)*		
26 25 00 00-0036	EA	225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,142.38	251.62
26 25 00 00-0037	EA	400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,322.64	251.62
26 25 00 00-0038	EA	600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,476.25	343.12
26 25 00 00-0039	EA	800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,781.57	343.12
26 25 00 00-0040	EA	1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,919.99	457.49
26 25 00 00-0041	EA	1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,323.91	457.49
26 25 00 00-0042		Bus Duct Plug-In Circuit Breaker *(26 25 00 00-0002)*		
26 25 00 00-0043		240 Volt, 3-Phase *(26 25 00 00-0042)*		
26 25 00 00-0044	EA	60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	927.65	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.05*	
26 25 00 00-0045	EA	100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,863.49	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.25*	
26 25 00 00-0046		600 Volt, 3-Phase *(26 25 00 00-0042)*		
26 25 00 00-0047	EA	60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,816.16	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.05*	
26 25 00 00-0048	EA	100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,352.64	91.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.25*	
26 25 00 00-0049		120/208 Volt, 3-Phase, 4-Wire *(26 25 00 00-0042)*		
26 25 00 00-0050	EA	60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,068.48	109.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	
26 25 00 00-0051	EA	100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,274.84	109.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.48*	
26 25 00 00-0052		277/480 Volt, 3-Phase, 4-Wire *(26 25 00 00-0042)*		
26 25 00 00-0053	EA	60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,227.19	109.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	
26 25 00 00-0054	EA	100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,896.31	109.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.48*	
26 25 00 00-0055	EA	225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,739.68	379.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.56*	
26 25 00 00-0056	EA	400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,556.86	379.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*357.41*	
26 25 00 00-0057	EA	600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,275.87	1,097.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*497.27*	
26 25 00 00-0058	EA	800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,972.27	1,097.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*879.77*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0059		**Bus Duct Plug-In Fusible Switch** *(26 25 00 00-0002)*		
26 25 00 00-0060		**240 Volt, 3-Pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0061	EA	30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	925.47	91.50
26 25 00 00-0062	EA	60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,013.51	91.50
26 25 00 00-0063	EA	100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,404.76	109.79
26 25 00 00-0064	EA	200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,367.24	219.60
26 25 00 00-0065	EA	400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	6,006.40	494.08
26 25 00 00-0066	EA	600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,933.38	860.06
26 25 00 00-0067		**600 Volt, 3-Pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0068	EA	30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	965.88	100.64
26 25 00 00-0069	EA	60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,051.49	100.64
26 25 00 00-0070	EA	100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,419.23	100.64
26 25 00 00-0071	EA	200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,430.52	210.45
26 25 00 00-0072	EA	400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,981.96	475.78
26 25 00 00-0073	EA	600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	9,106.67	914.96
26 25 00 00-0074	EA	800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	15,042.06	1,189.45
26 25 00 00-0075		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0076	EA	30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,072.34	118.94
26 25 00 00-0077	EA	60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,147.12	118.94
26 25 00 00-0078	EA	100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,551.54	118.94
26 25 00 00-0079	EA	200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,631.54	247.04
26 25 00 00-0080	EA	400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,582.91	548.98
26 25 00 00-0081	EA	600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,570.08	841.77
26 25 00 00-0082		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0083	EA	30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,108.84	118.94
26 25 00 00-0084	EA	60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,183.62	100.92
26 25 00 00-0085	EA	100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,658.01	137.25
26 25 00 00-0086	EA	200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,745.10	247.04
26 25 00 00-0087	EA	400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,582.91	548.98
26 25 00 00-0088	EA	600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,570.08	841.77
26 25 00 00-0089	EA	800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	15,230.56	1,116.26
26 25 00 00-0090		**Feeder Bus Duct** *(26 25 00 00-0001)*		
		Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091		**600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance** *(26 25 00 00-0090)*		
		Note: Copper conductors.		
26 25 00 00-0092	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	754.71	38.43
		For Up To 25, Add	*188.68*	
		For >25 To 50, Add	*113.21*	
		For >50 To 100, Add	*56.60*	
26 25 00 00-0093	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	764.27	38.43
		For Up To 25, Add	*191.07*	
		For >25 To 50, Add	*114.64*	
		For >50 To 100, Add	*57.32*	
26 25 00 00-0094	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,002.62	38.43
		For Up To 25, Add	*250.66*	
		For >25 To 50, Add	*150.39*	
		For >50 To 100, Add	*75.20*	
26 25 00 00-0095	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,205.67	38.43
		For Up To 25, Add	*301.42*	
		For >25 To 50, Add	*180.85*	
		For >50 To 100, Add	*90.43*	
26 25 00 00-0096	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,474.66	38.43
		For Up To 25, Add	*368.67*	
		For >25 To 50, Add	*221.20*	
		For >50 To 100, Add	*110.60*	
26 25 00 00-0097	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,011.77	91.50
		For Up To 25, Add	*502.94*	
		For >25 To 50, Add	*301.77*	
		For >50 To 100, Add	*150.88*	
26 25 00 00-0098	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,783.85	91.50
		For Up To 25, Add	*695.96*	
		For >25 To 50, Add	*417.58*	
		For >50 To 100, Add	*208.79*	
26 25 00 00-0099	LF	5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,293.51	91.50
		For Up To 25, Add	*823.38*	
		For >25 To 50, Add	*494.03*	
		For >50 To 100, Add	*247.01*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0100	LF	6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	4,059.14	91.50
		For Up To 25, Add	*1,014.79*	
		For >25 To 50, Add	*608.87*	
		For >50 To 100, Add	*304.44*	

26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 00 00-0090)*

Note: Low impedance, copper conductors.

26 25 00 00-0102	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	866.77	41.17
		For Up To 25, Add	*216.69*	
		For >25 To 50, Add	*130.02*	
		For >50 To 100, Add	*65.01*	
26 25 00 00-0103	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	879.14	41.17
		For Up To 25, Add	*219.79*	
		For >25 To 50, Add	*131.87*	
		For >50 To 100, Add	*65.94*	
26 25 00 00-0104	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,133.42	41.17
		For Up To 25, Add	*283.36*	
		For >25 To 50, Add	*170.01*	
		For >50 To 100, Add	*85.01*	
26 25 00 00-0105	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,343.77	41.17
		For Up To 25, Add	*335.94*	
		For >25 To 50, Add	*201.57*	
		For >50 To 100, Add	*100.78*	
26 25 00 00-0106	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,624.10	41.17
		For Up To 25, Add	*406.03*	
		For >25 To 50, Add	*243.62*	
		For >50 To 100, Add	*121.81*	
26 25 00 00-0107	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,498.41	70.45
		For Up To 25, Add	*624.60*	
		For >25 To 50, Add	*374.76*	
		For >50 To 100, Add	*187.38*	
26 25 00 00-0108	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,133.98	70.45
		For Up To 25, Add	*783.50*	
		For >25 To 50, Add	*470.10*	
		For >50 To 100, Add	*235.05*	
26 25 00 00-0109	LF	5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,707.69	130.84
		For Up To 25, Add	*926.92*	
		For >25 To 50, Add	*556.15*	
		For >50 To 100, Add	*278.08*	
26 25 00 00-0110	LF	6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,575.91	130.84
		For Up To 25, Add	*1,143.98*	
		For >25 To 50, Add	*686.39*	
		For >50 To 100, Add	*343.19*	

26 26 Power Distribution Units *(26 20)*

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center *(26 26)*

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 26 00 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	11,827.35	281.35
26 26 00 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	14,265.10	304.96
26 26 00 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	16,253.16	338.54
26 26 00 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	18,689.84	365.98
26 26 00 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	20,420.92	457.49
26 26 00 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	22,926.06	548.98
26 26 00 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	26,455.67	640.48
26 26 00 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	28,028.26	731.97
26 26 00 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	29,439.75	823.47
26 26 00 00-0011	EA	Ex Panelboard 10-30 KVA	1,079.97	91.50
26 26 00 00-0012	EA	Ex Panelboard 50-125 KVA	1,603.81	114.37
26 26 00 00-0013	EA	Ex Panelboard 150-220 KVA	3,561.91	137.25
26 26 00 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,463.95	
26 26 00 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,097.96	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R.

26 27 13 00-0003	EA	100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	252.61	59.47
26 27 13 00-0004	EA	100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	270.30	59.47
26 27 13 00-0005	EA	200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	340.99	73.20
26 27 13 00-0006	EA	200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	346.02	73.20
26 27 13 00-0007	EA	200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	717.15	82.35
26 27 13 00-0008	EA	320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	968.37	91.50
26 27 13 00-0009	EA	400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	2,494.99	100.64

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	2,586.22	457.49
26 27 13 00-0011		**Meter Device** *(26 27 13 00-0001)*		
		Note: Direct read, with 15 minute demand.		
26 27 13 00-0012	EA	100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	275.65	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 27 13 00-0013	EA	200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	803.95	18.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.45*	
26 27 13 00-0014		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0015	EA	Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	508.73	118.94
26 27 13 00-0016		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0017		**800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,087.49	57.19
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,436.64	68.62
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,783.88	80.06
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,068.17	91.50
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,705.45	102.93
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,919.13	114.37
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	3,403.74	137.25
26 27 13 00-0025		**1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,041.53	57.19
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,694.07	68.62
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,712.95	91.50
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	4,117.42	102.93
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	5,189.73	114.37
26 27 13 00-0031		**800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,671.31	80.06
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,205.55	91.50
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,705.45	102.93
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,186.26	114.37
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,029.60	125.81
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,224.22	137.25
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	5,243.06	160.11
26 27 13 00-0039		**1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,621.53	80.06
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,445.80	91.50
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,865.36	114.37
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,212.60	125.81
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	6,685.60	137.25
26 27 13 00-0045		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0046		**800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,179.05	68.62
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,549.19	80.06
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,917.43	91.50
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,228.43	102.93
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,747.40	114.37
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,961.08	125.81
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,655.58	148.68
26 27 13 00-0054		**1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,140.73	68.62
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,831.42	80.06
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,098.34	102.93
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,502.83	114.37
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,460.68	125.81
26 27 13 00-0060		**800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,762.90	91.50
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,304.77	102.93
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,861.90	114.37
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,342.72	125.81
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,224.26	137.25

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,418.81	148.68
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,514.03	171.56
26 27 13 00-0068		1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0045)*		
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,739.83	91.50
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,621.34	102.93
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,212.63	125.81
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,445.38	137.25
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	6,937.47	148.68
26 27 13 00-0074		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0075		800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,087.49	57.19
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,436.64	68.62
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,068.17	91.50
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,705.45	102.93
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	3,357.98	114.37
26 27 13 00-0081		1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,041.53	57.19
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,694.06	68.62
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	3,903.74	91.50
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	4,308.23	102.93
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	5,189.73	114.37
26 27 13 00-0087		800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,671.31	80.06
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,205.55	91.50
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,186.26	114.37
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,029.60	125.81
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,224.22	137.25
26 27 13 00-0093		1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,621.54	80.06
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,445.80	91.50
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,865.36	114.37
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,212.60	125.81
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	6,685.63	137.25
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0100		800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,179.05	68.62
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,549.19	80.06
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,228.43	102.93
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,938.21	114.37
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,342.69	125.81
26 27 13 00-0106		1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,140.72	68.62
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,831.41	80.06
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,907.54	102.93
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,312.02	114.37
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,460.65	125.81
26 27 13 00-0112		800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,762.88	91.50
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,304.75	102.93
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,342.69	125.81
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,224.22	137.25
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,418.81	148.68
26 27 13 00-0118		1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,739.81	91.50
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,621.32	102.93
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,212.60	125.81
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,445.38	137.25
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	6,937.47	148.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0124		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,132.82	54.90
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,523.95	109.79
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,837.48	82.35
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,273.25	82.35
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,901.49	82.35
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,301.92	75.94
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,219.43	137.25
26 27 13 00-0132		**Watt/Hour Meter Systems** *(26 27 13)*		
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0132)*		
26 27 13 00-0134	EA	400 Amp System; 200 Amp M-90 Meter And Enclosure	5,521.66	549.07
26 27 13 00-0135	EA	600-800 Amp System; 200 Amp M-90 Meter And Enclosure	6,550.07	549.07
26 27 13 00-0136		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0132)*		
26 27 13 00-0137	EA	400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	10,036.91	549.07
26 27 13 00-0138	EA	600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	12,279.42	549.07
26 27 13 00-0139	EA	800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	13,230.45	549.07
26 27 16		**Electrical Cabinets And Enclosures** *(26 27)*		
		Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		**NEMA 1 Enclosures** *(26 27 16)*		
26 27 16 00-0002		**Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0003		**4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	53.69	18.30
26 27 16 00-0005	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	59.86	20.13
26 27 16 00-0006	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	66.09	21.95
26 27 16 00-0007	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	77.14	25.62
26 27 16 00-0008	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	83.62	27.45
26 27 16 00-0009	EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.47	29.28
26 27 16 00-0010	EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.29	29.28
26 27 16 00-0011	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.25	31.11
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.50	32.94
26 27 16 00-0013	EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.56	43.92
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.48	53.07
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.92	51.23
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	66.44	21.95
26 27 16 00-0018	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.76	25.62
26 27 16 00-0019	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.67	31.11
26 27 16 00-0020	EA	10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.78	32.94
26 27 16 00-0021	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.01	34.77
26 27 16 00-0022	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	117.48	36.59
26 27 16 00-0023	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	150.13	47.58
26 27 16 00-0024	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	182.79	58.56
26 27 16 00-0025	EA	18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	176.49	56.73
26 27 16 00-0026	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	229.25	73.20
26 27 16 00-0027	EA	24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	285.75	84.18
26 27 16 00-0028	EA	24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	322.44	91.50
26 27 16 00-0029	EA	30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	354.71	96.99
26 27 16 00-0030	EA	36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	382.42	100.64
26 27 16 00-0031		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0032		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0031)*		
26 27 16 00-0033	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	38.47	12.81
26 27 16 00-0034	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.98	18.30
26 27 16 00-0035	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	61.19	20.13
26 27 16 00-0036		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0031)*		
26 27 16 00-0037	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	43.15	14.64
26 27 16 00-0038	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	53.58	18.30
26 27 16 00-0039	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.70	20.13
26 27 16 00-0040	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.92	21.95
26 27 16 00-0041	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	76.91	25.62
26 27 16 00-0042	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	83.37	27.45
26 27 16 00-0043	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	90.13	29.28
26 27 16 00-0044	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.91	29.28

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0045	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	96.91	31.11
26 27 16 00-0046	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	104.10	32.94
26 27 16 00-0047	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	136.56	43.92
26 27 16 00-0048	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.45	54.90
26 27 16 00-0049	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	157.37	51.23
26 27 16 00-0050	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.61	65.87
26 27 16 00-0051	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	287.92	82.35
26 27 16 00-0052		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0053	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	66.23	21.95
26 27 16 00-0054	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.85	23.79
26 27 16 00-0055	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	83.98	27.45
26 27 16 00-0056	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.32	31.11
26 27 16 00-0057	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.42	32.94
26 27 16 00-0058	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	109.58	34.77
26 27 16 00-0059	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.99	36.59
26 27 16 00-0060	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	150.13	47.58
26 27 16 00-0061	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	184.52	58.56
26 27 16 00-0062	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	175.87	56.73
26 27 16 00-0063	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	228.40	73.20
26 27 16 00-0064	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	281.84	84.18
26 27 16 00-0065	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.64	91.50
26 27 16 00-0066	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	345.33	96.99
26 27 16 00-0067	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	375.16	100.64
26 27 16 00-0068		8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0069	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.32	31.11
26 27 16 00-0070	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.00	40.26
26 27 16 00-0071	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	164.03	51.23
26 27 16 00-0072	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.79	64.05
26 27 16 00-0073	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	195.26	62.22
26 27 16 00-0074	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	241.77	76.86
26 27 16 00-0075	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	270.65	87.84
26 27 16 00-0076	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	309.85	93.33
26 27 16 00-0077	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	353.46	100.64
26 27 16 00-0078	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	375.63	106.14
26 27 16 00-0079	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	393.83	109.79
26 27 16 00-0080	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	402.88	109.79
26 27 16 00-0081		10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0082	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	221.08	69.54
26 27 16 00-0083	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	290.08	89.66
26 27 16 00-0084	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.72	95.15
26 27 16 00-0085	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	373.70	102.48
26 27 16 00-0086	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	427.95	113.46
26 27 16 00-0087	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	470.76	117.12
26 27 16 00-0088	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.07	122.61
26 27 16 00-0089		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0090	EA	18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.18	98.82
26 27 16 00-0091	EA	24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	321.69	104.30
26 27 16 00-0092	EA	24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	411.25	113.46
26 27 16 00-0093	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	467.41	124.43
26 27 16 00-0094	EA	30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	519.89	129.92
26 27 16 00-0095	EA	36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	547.58	135.41
26 27 16 00-0096		NEMA 12 Enclosures *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0097		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		
26 27 16 00-0098		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	66.60	14.64
26 27 16 00-0100	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	87.65	20.13
26 27 16 00-0101	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	109.05	25.62
26 27 16 00-0102	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.81	27.45
26 27 16 00-0103	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	130.95	29.28
26 27 16 00-0104	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	140.68	31.11
26 27 16 00-0105		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0106	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	96.98	21.95
26 27 16 00-0107	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	106.50	23.79
26 27 16 00-0108		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0109		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0108)*		
26 27 16 00-0110	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	70.23	14.64
26 27 16 00-0111	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	88.97	20.13
26 27 16 00-0112	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	99.14	21.95
26 27 16 00-0113	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	114.34	25.62
26 27 16 00-0114	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	119.62	27.45
26 27 16 00-0115	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	135.50	29.28
26 27 16 00-0116	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	144.88	31.11
26 27 16 00-0117	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	160.34	32.94
26 27 16 00-0118		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0108)*		
26 27 16 00-0119	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	103.64	21.95
26 27 16 00-0120	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	115.26	23.79
26 27 16 00-0121	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	128.43	27.45
26 27 16 00-0122	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	152.77	32.94
26 27 16 00-0123	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	167.43	36.59
26 27 16 00-0124	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	226.53	47.58
26 27 16 00-0125	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	350.07	73.20
26 27 16 00-0126	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	437.02	84.18
26 27 16 00-0127	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	486.44	91.50
26 27 16 00-0128		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0108)*		
26 27 16 00-0129	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	465.90	93.33
26 27 16 00-0130	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	524.22	100.64
26 27 16 00-0131	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	567.96	106.14
26 27 16 00-0132	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	612.91	109.79
26 27 16 00-0133	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	607.26	109.79
26 27 16 00-0134		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0096)*		
26 27 16 00-0135		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0134)*		
26 27 16 00-0136	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,514.04	148.68
26 27 16 00-0137		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0134)*		
26 27 16 00-0138	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,550.15	164.69
26 27 16 00-0139	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,759.35	176.13
26 27 16 00-0140	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,048.96	219.60
26 27 16 00-0141	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,308.12	258.93
26 27 16 00-0142		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0134)*		
26 27 16 00-0143	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,776.02	258.93
26 27 16 00-0144	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,958.99	274.49
26 27 16 00-0145	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,197.11	292.79
26 27 16 00-0146	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,379.92	292.79
26 27 16 00-0147		**NEMA 3 Enclosures** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0148		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0149	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	220.57	64.05
26 27 16 00-0150		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0151	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	235.20	64.05
26 27 16 00-0152	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	295.17	66.33
26 27 16 00-0153	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	305.12	66.33
26 27 16 00-0154	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	378.24	68.62
26 27 16 00-0155		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0156	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	292.47	66.33
26 27 16 00-0157	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	318.51	66.33
26 27 16 00-0158	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	331.84	68.62
26 27 16 00-0159	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	411.81	68.62
26 27 16 00-0160	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	451.92	73.20
26 27 16 00-0161	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	486.11	77.77
26 27 16 00-0162	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	505.13	77.77
26 27 16 00-0163	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	596.39	80.06
26 27 16 00-0164	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	645.46	82.35

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0165	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	876.41	91.50
26 27 16 00-0166		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0167	EA	6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	434.39	70.91
26 27 16 00-0168	EA	8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	544.23	80.06
26 27 16 00-0169	EA	8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	633.76	82.35
26 27 16 00-0170	EA	10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	726.88	84.63
26 27 16 00-0171	EA	10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	771.75	84.63
26 27 16 00-0172	EA	12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	876.16	91.50
26 27 16 00-0173	EA	12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,012.50	102.93
26 27 16 00-0174	EA	16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	954.53	98.36
26 27 16 00-0175	EA	18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,853.01	182.99
26 27 16 00-0176	EA	18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,180.53	228.74
26 27 16 00-0177		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0178	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	779.52	86.93
26 27 16 00-0179	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,166.74	114.37
26 27 16 00-0180	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,185.06	114.37
26 27 16 00-0181	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,611.11	171.56
26 27 16 00-0182	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,107.52	182.99
26 27 16 00-0183	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,299.58	320.24
26 27 16 00-0184		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,805.02	228.74
26 27 16 00-0186		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,288.10	274.49
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,535.20	251.62
26 27 16 00-0189		**NEMA 3R Enclosures** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0190		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0189)*		
26 27 16 00-0191		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	61.25	18.30
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	67.52	20.13
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	85.71	20.13
26 27 16 00-0195		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	113.41	27.45
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	127.27	31.11
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	147.21	34.77
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	157.92	36.59
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	205.50	47.58
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	247.80	58.56
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	290.82	73.20
26 27 16 00-0203		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0204	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	419.70	93.33
26 27 16 00-0205	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	461.95	100.64
26 27 16 00-0206	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	511.19	106.14
26 27 16 00-0207	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	535.40	109.79
26 27 16 00-0208		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0209	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	517.62	113.46
26 27 16 00-0210	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	584.64	128.10
26 27 16 00-0211	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	647.49	141.82
26 27 16 00-0212	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	712.68	156.46
26 27 16 00-0213	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	776.44	170.18
26 27 16 00-0214	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	356.45	89.66
26 27 16 00-0215	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	517.62	113.46
26 27 16 00-0216	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	591.67	117.12
26 27 16 00-0217	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	724.14	128.10
26 27 16 00-0218		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0219	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	477.87	90.58
26 27 16 00-0220	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	536.30	101.57
26 27 16 00-0221	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	593.83	112.54
26 27 16 00-0222	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	656.02	124.43

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0223	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	714.46	135.41
26 27 16 00-0224	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	357.23	67.71
26 27 16 00-0225	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	477.87	90.58
26 27 16 00-0226	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	536.30	101.57
26 27 16 00-0227	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	627.26	118.94
26 27 16 00-0228	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	714.46	135.41
26 27 16 00-0229	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	685.07	133.58
26 27 16 00-0230	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	714.46	135.41
26 27 16 00-0231	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	748.19	139.07
26 27 16 00-0232	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	822.92	146.40
26 27 16 00-0233	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	886.30	153.71
26 27 16 00-0234		Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0189)*		
26 27 16 00-0235		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0236	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	48.71	14.64
26 27 16 00-0237	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	59.39	18.30
26 27 16 00-0238	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	65.51	20.13
26 27 16 00-0239	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	72.34	21.95
26 27 16 00-0240	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	84.10	25.62
26 27 16 00-0241	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.27	27.45
26 27 16 00-0242	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.95	29.28
26 27 16 00-0243	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.61	29.28
26 27 16 00-0244	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	107.04	31.11
26 27 16 00-0245	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	114.72	32.94
26 27 16 00-0246	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.53	51.23
26 27 16 00-0247	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	230.76	65.87
26 27 16 00-0248		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0249	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	69.03	21.95
26 27 16 00-0250	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	92.17	27.45
26 27 16 00-0251	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	104.42	31.11
26 27 16 00-0252	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	112.55	32.94
26 27 16 00-0253	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	112.06	32.94
26 27 16 00-0254	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	120.59	34.77
26 27 16 00-0255	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.17	36.59
26 27 16 00-0256	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.42	47.58
26 27 16 00-0257	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	195.48	56.73
26 27 16 00-0258	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	258.81	73.20
26 27 16 00-0259	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	272.02	78.69
26 27 16 00-0260	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	306.27	84.18
26 27 16 00-0261	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	342.28	91.50
26 27 16 00-0262		8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0263	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	144.00	40.26
26 27 16 00-0264	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	211.73	62.22
26 27 16 00-0265	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	285.97	80.51
26 27 16 00-0266	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	339.02	93.33
26 27 16 00-0267	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	379.60	100.64
26 27 16 00-0268	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	417.13	106.14
26 27 16 00-0269		10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0270	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	316.16	89.66
26 27 16 00-0271	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	419.66	113.46
26 27 16 00-0272	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	454.47	117.12
26 27 16 00-0273		12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0274	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	462.88	124.43
26 27 16 00-0275	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	614.12	135.41
26 27 16 00-0276	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	633.98	139.07
26 27 16 00-0277	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	728.35	146.40
26 27 16 00-0278		NEMA 4 Enclosures *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0279		Hinge Cover, Painted Steel NEMA 4 Enclosures *(26 27 16 00-0278)*		
26 27 16 00-0280	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	73.15	12.81
26 27 16 00-0281	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	85.85	15.55
26 27 16 00-0282	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	107.62	20.13
26 27 16 00-0283	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	102.95	20.13
26 27 16 00-0284	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	137.90	27.45
26 27 16 00-0285	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	171.10	32.94
26 27 16 00-0286	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	158.43	31.11
26 27 16 00-0287	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	184.90	36.59
26 27 16 00-0288	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	217.01	42.09

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0289	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	264.21	53.07
26 27 16 00-0290		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0278)*		
26 27 16 00-0291	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	67.72	12.81
26 27 16 00-0292	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	97.53	20.13
26 27 16 00-0293		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0278)*		
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	85.87	17.57
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	91.43	19.03
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	113.09	24.89
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	131.51	27.45
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	169.40	34.77
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	198.22	41.17
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	283.68	65.87
26 27 16 00-0301		**NEMA 4X Enclosures** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0302		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0301)*		
26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	139.57	14.64
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	166.14	20.13
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	211.67	27.45
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	256.76	32.94
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	317.36	42.09
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	376.64	53.07
26 27 16 00-0309		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0301)*		
26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	125.42	12.81
		For 316L Stainless Steel, Add	*25.22*	
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	165.26	18.30
		For 316L Stainless Steel, Add	*32.27*	
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	186.47	20.13
		For 316L Stainless Steel, Add	*36.76*	
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	212.02	21.95
		For 316L Stainless Steel, Add	*42.42*	
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	261.02	27.45
		For 316L Stainless Steel, Add	*51.95*	
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	362.16	34.77
		For 316L Stainless Steel, Add	*74.31*	
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	449.84	42.09
		For 316L Stainless Steel, Add	*93.05*	
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	545.33	53.07
		For 316L Stainless Steel, Add	*111.42*	
26 27 16 00-0318		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0301)* Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	95.65	20.13
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	107.39	21.95
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	123.10	25.62
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	133.64	27.45
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	154.12	31.11
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	145.77	31.11
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	169.21	34.77
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	211.39	42.09
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	271.75	57.65
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	353.84	82.99
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	102.22	20.13
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	115.15	21.95
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	131.45	25.62
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	143.77	27.45
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	164.85	31.11
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	155.91	31.11
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	182.96	34.77
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	218.55	42.09
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	286.67	57.65
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	369.94	82.99
26 27 16 00-0339		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0301)* Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	114.15	20.13
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	122.30	21.95
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	139.20	25.62
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.34	27.45
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	177.38	31.11
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	164.26	31.11

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	200.26	34.77
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	238.23	42.09
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	295.02	57.65
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	384.25	82.99
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.92	20.13
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	131.25	21.95
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	147.55	25.62
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	159.28	27.45
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	189.31	31.11
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	174.40	31.11
26 27 16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	212.79	34.77
26 27 16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	244.20	42.09
26 27 16 00-0358	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	314.70	57.65
26 27 16 00-0359	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	405.13	82.99

26 27 16 00-0360 NEMA 7/9 Enclosures *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0362	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	919.20	102.93
		For Mounting Pan, Add	*37.76*	
26 27 16 00-0363	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	741.48	109.79
		For Mounting Pan, Add	*70.36*	
26 27 16 00-0364	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,421.38	123.52
		For Mounting Pan, Add	*97.02*	

26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0366	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,268.14	123.52
		For Mounting Pan, Add	*49.34*	
26 27 16 00-0367	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,641.97	126.95
		For Mounting Pan, Add	*97.02*	
26 27 16 00-0368	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,682.34	137.25
		For Mounting Pan, Add	*74.22*	
26 27 16 00-0369	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,725.41	137.25
		For Mounting Pan, Add	*86.83*	
26 27 16 00-0370	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,432.59	171.56
		For Mounting Pan, Add	*113.92*	
26 27 16 00-0371	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,290.99	154.40
		For Mounting Pan, Add	*71.13*	
26 27 16 00-0372	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,373.62	171.56
		For Mounting Pan, Add	*106.43*	
26 27 16 00-0373	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,680.02	308.81
		For Mounting Pan, Add	*143.19*	
26 27 16 00-0374	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,909.82	205.87
		For Mounting Pan, Add	*139.42*	
26 27 16 00-0375	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,841.20	343.12
		For Mounting Pan, Add	*127.99*	
26 27 16 00-0376	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,582.81	343.12
		For Mounting Pan, Add	*208.08*	

26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0378	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,961.78	154.40
		For Mounting Pan, Add	*74.22*	
26 27 16 00-0379	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,975.17	154.40
		For Mounting Pan, Add	*86.83*	
26 27 16 00-0380	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,230.10	154.40
		For Mounting Pan, Add	*113.92*	
26 27 16 00-0381	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,471.31	171.56
		For Mounting Pan, Add	*71.13*	
26 27 16 00-0382	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,610.96	308.81
		For Mounting Pan, Add	*106.43*	
26 27 16 00-0383	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,394.59	377.43
		For Mounting Pan, Add	*143.19*	
26 27 16 00-0384	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,856.31	446.04
		For Mounting Pan, Add	*215.34*	
26 27 16 00-0385	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,968.81	377.43
		For Mounting Pan, Add	*139.42*	
26 27 16 00-0386	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,073.73	377.43
		For Mounting Pan, Add	*127.99*	
26 27 16 00-0387	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,022.65	411.73
		For Mounting Pan, Add	*191.86*	
26 27 16 00-0388	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,986.03	377.43
		For Mounting Pan, Add	*208.08*	
26 27 16 00-0389	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,631.56	411.73
		For Mounting Pan, Add	*304.27*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0390	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,587.02	411.73
		For Mounting Pan, Add	*405.63*	
26 27 16 00-0391	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,198.63	548.98
		For Mounting Pan, Add	*506.96*	
26 27 16 00-0392	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,770.78	446.04
		For Mounting Pan, Add	*471.39*	
26 27 16 00-0393	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,041.06	686.22
		For Mounting Pan, Add	*645.33*	
26 27 16 00-0394		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*		
26 27 16 00-0395	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,126.18	446.04
		For Mounting Pan, Add	*215.34*	
26 27 16 00-0396	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,560.19	411.73
		For Mounting Pan, Add	*191.86*	
26 27 16 00-0397	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,146.27	446.04
		For Mounting Pan, Add	*304.27*	
26 27 16 00-0398	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,001.49	480.35
		For Mounting Pan, Add	*506.96*	
26 27 16 00-0399	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,982.17	480.35
		For Mounting Pan, Add	*471.39*	
26 27 16 00-0400	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,277.40	686.22
		For Mounting Pan, Add	*645.33*	
26 27 16 00-0401		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*		
26 27 16 00-0402	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,490.84	377.43
		For Mounting Pan, Add	*143.19*	
26 27 16 00-0403		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404		15 To 100 Amp, F-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0405	EA	NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	310.70	73.20
26 27 16 00-0406	EA	NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	581.05	73.20
26 27 16 00-0407	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,445.26	100.64
26 27 16 00-0408	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,963.41	109.79
26 27 16 00-0409	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,427.05	109.79
26 27 16 00-0410	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	492.53	100.64
26 27 16 00-0411		15 To 250 Amp, H Or J-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0412	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	498.59	100.64
26 27 16 00-0413	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	931.52	100.64
26 27 16 00-0414	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,216.15	128.10
26 27 16 00-0415	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	762.11	128.10
26 27 16 00-0416		125 To 400 Amp, L-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0417	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	773.77	201.29
26 27 16 00-0418	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,841.34	201.29
26 27 16 00-0419	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	5,443.96	256.19
26 27 16 00-0420	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,297.28	256.19
26 27 16 00-0421		300 To 800 Amp, M-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0422	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,517.09	384.29
26 27 16 00-0423	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,645.44	384.29
26 27 16 00-0424	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	9,789.74	494.08
26 27 16 00-0425	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	5,263.30	494.08
26 27 16 00-0426		250 To 1,200 Amp, P-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0427	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	1,863.94	384.29
26 27 16 00-0428	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	3,193.97	384.29
26 27 16 00-0429	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	6,636.79	494.08
26 27 16 00-0430		Legend Plates *(26 27 16)*		
26 27 16 00-0431	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	11.63	4.58
26 27 16 00-0432	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	17.58	4.58

26 27 23 Indoor Service Poles *(26 27)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0001		Communication And Power Poles *(26 27 23)* Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	236.72	40.56
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	256.94	40.56
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	280.31	40.56
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)* Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	37.74	8.37
26 27 23 00-0010	EA	Add-On Cover Plate For Three Duplex Receptacles	42.09	8.37
26 27 23 00-0011	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	47.59	8.37
26 27 23 00-0012	EA	Add-On Cover Plate For Data And A/V Modular Devices	35.40	8.37
26 27 23 00-0013	EA	Add-On Radius Control Entrance End Fitting	29.25	8.37
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	306.04	40.56
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	349.48	40.56
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	372.92	40.56
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)* Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On Cover Plate For One Single Receptacle	32.68	8.37
26 27 23 00-0021	EA	Add-On Cover Plate For One Duplex Receptacle	29.44	8.37
26 27 23 00-0022	EA	Add-On Cover Plate For Data And A/V Modular Devices	31.76	8.37
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	398.09	40.56
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	450.38	40.56
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	484.85	40.56
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)* Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On Cover Plate For One Single Receptacle	32.68	8.37
26 27 23 00-0030	EA	Add-On Cover Plate For One Duplex Receptacle	29.44	8.37
26 27 23 00-0031	EA	Add-On Cover Plate For Data And A/V Modular Devices	31.76	8.37
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	319.64	40.56
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	356.20	40.56
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	397.18	40.56
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	49.72	8.37
26 27 23 00-0040	EA	Add-On Cover Plate For Three Duplex Receptacles	50.75	8.37
26 27 23 00-0041	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	54.18	8.37
26 27 23 00-0042	EA	Add-On Cover Plate For Data And A/V Modular Devices	37.32	8.37
26 27 23 00-0043	EA	Add-On Radius Control Entrance End Fitting	29.25	8.37
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	308.22	40.56
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	345.72	40.56
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	389.89	40.56

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	642.20	40.56
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	734.16	40.56
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	837.15	40.56
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	350.13	40.56
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	331.60	40.56
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	424.09	40.56
26 27 26		**Wiring Devices** *(26 27)*		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	73.24	32.49
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	79.15	34.77
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	96.04	41.63
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	107.86	46.20
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	91.32	32.49
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	98.19	34.77
26 27 26 00-0010		Receptacle Components *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	23.23	9.15
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	22.18	9.15
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	28.39	9.15
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	31.99	9.15
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	41.15	11.43
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	52.95	11.43
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	24.62	9.15
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	23.51	9.15
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	39.72	9.15
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	30.86	9.15
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	41.15	11.43
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	52.95	11.43
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	90.83	11.43
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	90.83	11.43
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	71.09	13.73
26 27 26 00-0026		Specialty Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0027		Specialty Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	58.82	16.01
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	58.82	16.01
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	54.94	16.01
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	99.97	16.01
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	104.54	18.30
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	94.72	18.30
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	91.96	18.30
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	77.69	18.30
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	65.94	18.30
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	119.64	18.30
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	124.22	20.58
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	136.35	22.88
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	145.50	27.45
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	1,438.28	215.02
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	3,866.02	263.05
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	71.24	18.30
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	103.45	27.45
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	74.47	11.43
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	1,440.00	278.80
26 27 26 00-0047		Isolated Ground Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	56.64	9.15
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	61.03	11.43
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	60.76	11.43
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	81.29	18.30
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	70.12	11.43
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	63.05	11.43

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	89.74	13.73
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	67.72	13.73
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	92.35	13.73
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	116.36	13.73
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	108.57	18.30
26 27 26 00-0059		**Explosion Proof Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	537.29	22.88
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt,, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	496.90	25.16
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	827.91	45.75
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,037.51	45.75
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,317.69	68.62
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,257.01	68.62
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	37.96	11.43
26 27 26 00-0068	EA	20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	51.69	13.73
26 27 26 00-0069		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0070	EA	15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	77.38	11.43
26 27 26 00-0071	EA	20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	86.14	11.43
26 27 26 00-0072		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0073	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	37.29	11.43
26 27 26 00-0074	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	44.77	11.43
26 27 26 00-0075	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	41.78	13.73
26 27 26 00-0076	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	41.45	13.73
26 27 26 00-0077	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	48.03	13.73
26 27 26 00-0078	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amp,Locking Receptacle	56.53	13.73
26 27 26 00-0079	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	55.59	13.73
26 27 26 00-0080	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	49.37	13.73
26 27 26 00-0081	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	57.39	18.30
26 27 26 00-0082	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	58.18	18.30
26 27 26 00-0083	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle	118.29	18.30
26 27 26 00-0084		**Hospital Grade Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0085	EA	15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	36.48	9.15
26 27 26 00-0086	EA	20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	39.32	9.15
26 27 26 00-0087	EA	20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	44.69	9.15
26 27 26 00-0088	EA	20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	39.72	9.15
26 27 26 00-0089	EA	20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	45.28	9.15
26 27 26 00-0090	EA	20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	49.58	9.15
26 27 26 00-0091	EA	120 Volt Transient Voltage Surge Suppresser Receptacle Note: Hospital grade receptacle.	168.67	27.45
26 27 26 00-0092		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0093	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	189.37	45.75
26 27 26 00-0094	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	188.96	45.75
26 27 26 00-0095	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	196.60	45.75
26 27 26 00-0096	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	238.11	50.32
26 27 26 00-0097	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	238.74	50.32
26 27 26 00-0098	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	237.27	50.32
26 27 26 00-0099	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	283.12	56.27
26 27 26 00-0100	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	270.70	56.27
26 27 26 00-0101	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	290.14	56.27
26 27 26 00-0102	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	294.62	61.77
26 27 26 00-0103	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	294.38	61.77
26 27 26 00-0104	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	296.14	61.77
26 27 26 00-0105	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	410.16	73.20
26 27 26 00-0106	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	395.12	73.20
26 27 26 00-0107	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	404.91	73.20
26 27 26 00-0108	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	450.88	81.44
26 27 26 00-0109	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	451.17	81.44
26 27 26 00-0110	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	451.46	81.44
26 27 26 00-0111	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	502.12	91.50
26 27 26 00-0112	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	521.39	91.50
26 27 26 00-0113	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	561.64	100.64
26 27 26 00-0114	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	560.19	100.64
26 27 26 00-0115	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	562.91	100.64
26 27 26 00-0116		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0117	EA	15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles	81.32	9.15
26 27 26 00-0118	EA	15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles	171.79	11.43

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0119		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0120	EA	15 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	21.51	9.15
26 27 26 00-0121	EA	20 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	23.16	9.15
26 27 26 00-0122	EA	15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	27.90	9.15
26 27 26 00-0123	EA	20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	30.12	9.15
26 27 26 00-0124	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	43.47	9.15
26 27 26 00-0125	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	46.65	9.15
26 27 26 00-0126	EA	20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	49.69	9.15
26 27 26 00-0127		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0128	EA	15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	44.65	9.15
26 27 26 00-0129	EA	20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	47.95	9.15
26 27 26 00-0130		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0131	EA	TV Receptacle With Cover (Type F) - Complete	69.03	21.22
26 27 26 00-0132		**Switches** *(26 27 26)*		
26 27 26 00-0133		**Switches** *(26 27 26 00-0132)*		
26 27 26 00-0134		**Switch Assemblies** *(26 27 26 00-0133)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135	EA	1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	78.14	32.02
26 27 26 00-0136	EA	1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	84.29	34.77
26 27 26 00-0137	EA	2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	108.12	41.85
26 27 26 00-0138	EA	2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	118.58	46.43
26 27 26 00-0139	EA	3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	182.50	71.83
26 27 26 00-0140	EA	3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	198.19	78.69
26 27 26 00-0141	EA	4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	212.33	81.20
26 27 26 00-0142	EA	4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	233.24	90.35
26 27 26 00-0143		**Switch Components** *(26 27 26 00-0133)*		
26 27 26 00-0144	EA	15 Amp, 120/277 Volt, SPST Switch	27.99	9.15
26 27 26 00-0145	EA	15 Amp, 120/277 Volt, 3-Way Switch	35.61	11.43
26 27 26 00-0146	EA	15 Amp, 120/277 Volt, 4-Way Switch	73.53	18.30
26 27 26 00-0147	EA	15 Amp, 120/277 Volt, DPST Switch	33.63	9.15
26 27 26 00-0148	EA	15 Amp, 120/277 Volt, Thermal Switch	71.05	11.43
26 27 26 00-0149	EA	20 Amp, 120/277 Volt, SPST Switch	33.22	11.43
26 27 26 00-0150	EA	20 Amp, 120/277 Volt, 3-Way Switch	41.59	13.73
26 27 26 00-0151	EA	20 Amp, 120/277 Volt, 4-Way Switch	107.06	18.30
26 27 26 00-0152	EA	20 Amp, 120/277 Volt, DPST Switch	42.26	11.43
26 27 26 00-0153	EA	20 Amp, 120/277 Volt, DPDT Switch	46.26	11.43
26 27 26 00-0154	EA	15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	50.83	11.45
26 27 26 00-0155	EA	15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	63.40	11.45
26 27 26 00-0156	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	49.54	13.75
26 27 26 00-0157	EA	20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	52.09	16.01
26 27 26 00-0158	EA	20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	65.83	18.30
26 27 26 00-0159	EA	20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	107.14	18.30
26 27 26 00-0160	EA	30 Amp, 120/277 Volt, Single Pole Local Switch	52.62	18.32
26 27 26 00-0161	EA	30 Amp, 120/277 Volt, Double Pole Local Switch	63.92	18.32
26 27 26 00-0162	EA	30 Amp, 120/277 Volt, Three-Way Local Switch	67.68	22.91
26 27 26 00-0163	EA	30 Amp, 120/277 Volt, Four-Way Local Switch	92.98	25.20
26 27 26 00-0164	EA	15 Amp, 120/277 Volt, Local Switch With Neon Pilot	48.54	14.98
26 27 26 00-0165	EA	15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	65.76	14.98
26 27 26 00-0166	EA	15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	58.33	14.98
26 27 26 00-0167	EA	15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	55.78	14.98
26 27 26 00-0168	EA	Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt	57.62	7.43
26 27 26 00-0169	EA	Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt	61.08	7.43
26 27 26 00-0170	EA	15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	67.97	28.59
26 27 26 00-0171	EA	Momentary Contact Switch, Three Position, Center Off, Key Operated Note: 15A, 120/277 V, Single Pole	80.54	28.59
26 27 26 00-0172	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	92.54	9.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0173	EA	8 Amp, 120/277 Volt, 0-10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	88.14	9.16
26 27 26 00-0174	EA	Sunrise Electronic Wall Dimmer,1200VA 0-10V LED and Fluorescent (Philips SR1200ZTUNV)	94.60	9.16
26 27 26 00-0175	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	110.05	9.16
26 27 26 00-0176	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	143.77	9.16
26 27 26 00-0177		Specialty Switches *(26 27 26 00-0132)*		
26 27 26 00-0178		Dimmers With SPST Switch *(26 27 26 00-0177)*		
26 27 26 00-0179	EA	600 Watt Dimmers With SPST Switch	62.12	20.58
26 27 26 00-0180	EA	1,000 Watt Dimmers With SPST Switch	127.48	20.58
26 27 26 00-0181	EA	1,500 Watt Dimmers With SPST Switch	235.04	33.12
26 27 26 00-0182	EA	2,000 Watt Dimmers With SPST Switch	318.44	33.12
26 27 26 00-0183	EA	600 Watt Fluorescent Dimmer Switch	169.05	24.43
26 27 26 00-0184	EA	1,000 Watt Fluorescent Dimmer Switch	240.81	24.43
26 27 26 00-0185	EA	1,500 Watt Fluorescent Dimmer Switch	446.06	36.87
26 27 26 00-0186	EA	Remote Speed Switch For Paddle Fan	107.11	30.47
26 27 26 00-0187	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	183.31	45.47
26 27 26 00-0188		Time Switches *(26 27 26 00-0177)*		
26 27 26 00-0189	EA	40 Amp, SPST, 125 Volt, Standard Time Switch	130.40	27.45
26 27 26 00-0190	EA	40 Amp, SPST, 277 Volt, Standard Time Switch	134.17	27.45
26 27 26 00-0191	EA	40 Amp, DPST, 125 Volt, Standard Time Switch	130.40	27.45
26 27 26 00-0192	EA	40 Amp, DPST, 277 Volt, Standard Time Switch	134.17	27.45
26 27 26 00-0193	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch	155.57	27.45
26 27 26 00-0194	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch	155.57	27.45
26 27 26 00-0195	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch	304.05	27.45
26 27 26 00-0196	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch	304.05	27.45
26 27 26 00-0197	EA	20 Amp, SPST, 125 Volt, Programmable Time Switch	256.41	27.45
26 27 26 00-0198	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch	285.50	27.45
26 27 26 00-0199	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	285.50	27.45
26 27 26 00-0200	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	354.25	27.45
26 27 26 00-0201	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	365.83	27.45
26 27 26 00-0202	EA	40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	130.40	27.45
26 27 26 00-0203	EA	40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	134.17	27.45
26 27 26 00-0204	EA	40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	130.40	27.45
26 27 26 00-0205	EA	40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	134.17	27.45
26 27 26 00-0206	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	155.57	27.45
26 27 26 00-0207	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	155.57	27.45
26 27 26 00-0208	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	304.05	27.45
26 27 26 00-0209	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	304.05	27.45
26 27 26 00-0210	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	354.25	27.45
26 27 26 00-0211	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	365.83	27.45
26 27 26 00-0212		Low Voltage Switching *(26 27 26 00-0177)*		
26 27 26 00-0213	EA	36 Pin Male Or Female Connector	262.39	9.15
26 27 26 00-0214		Other Switches *(26 27 26 00-0177)*		
26 27 26 00-0215	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	32.12	13.73
26 27 26 00-0216	EA	Locking Switch, SPST Concealed Devices	105.67	36.59
26 27 26 00-0217	EA	Locking Switch, 3-Way Concealed Devices	107.68	36.59
26 27 26 00-0218	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	125.93	34.22
26 27 26 00-0219	EA	15 Amp Momentary Contact Switch	117.69	34.22
26 27 26 00-0220	EA	20 Amp Momentary Contact Switch	126.37	34.22
26 27 26 00-0221	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	106.69	41.24
26 27 26 00-0222	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	109.12	41.24
26 27 26 00-0223	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	134.70	50.40
26 27 26 00-0224	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	122.51	45.82
26 27 26 00-0225	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	123.12	45.82
26 27 26 00-0226		Plates And Covers *(26 27 26)*		
26 27 26 00-0227		Wall Plates *(26 27 26 00-0226)*		
26 27 26 00-0228		Nylon Wall Plates *(26 27 26 00-0227)*		
26 27 26 00-0229	EA	1 Gang Nylon Switch Plate	1.32	0.46
26 27 26 00-0230	EA	2 Gang Nylon Switch Plate	2.19	0.68
26 27 26 00-0231	EA	3 Gang Nylon Switch Plate	3.10	0.91
26 27 26 00-0232	EA	4 Gang Nylon Switch Plate	4.38	1.14
26 27 26 00-0233	EA	1 Gang Duplex Nylon Wall Plate	1.33	0.46
26 27 26 00-0234	EA	2 Gang Duplex Nylon Wall Plate	2.24	0.68
26 27 26 00-0235		Plastic Wall Plates *(26 27 26 00-0227)*		
26 27 26 00-0236	EA	1 Gang Plastic Switch Plate	1.24	0.46
26 27 26 00-0237	EA	2 Gang Plastic Switch Plate	2.03	0.68
26 27 26 00-0238	EA	3 Gang Plastic Switch Plate	2.84	0.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0239	EA	4 Gang Plastic Switch Plate	4.38	1.14
26 27 26 00-0240	EA	1 Gang Duplex Plastic Wall Plate	1.24	0.46
26 27 26 00-0241	EA	2 Gang Duplex Plastic Wall Plate	2.04	0.68
26 27 26 00-0242		**Brass Wall Plates** *(26 27 26 00-0227)*		
26 27 26 00-0243	EA	1 Gang 0.04" Brass Switch Plate	11.87	2.06
26 27 26 00-0244	EA	2 Gang 0.04" Brass Switch Plate	21.59	2.38
26 27 26 00-0245	EA	3 Gang 0.04" Brass Switch Plate	31.21	2.66
26 27 26 00-0246	EA	4 Gang 0.04" Brass Switch Plate	47.99	2.89
26 27 26 00-0247	EA	5 Gang 0.04" Brass Switch Plate	58.25	3.07
26 27 26 00-0248	EA	6 Gang 0.04" Brass Switch Plate	67.26	3.21
26 27 26 00-0249	EA	1 Gang 0.04" Brass Duplex Receptacle Wall Plate	11.87	2.06
26 27 26 00-0250	EA	2 Gang 0.04" Brass Duplex Receptacle Wall Plate	25.12	2.38
26 27 26 00-0251	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	35.86	2.66
26 27 26 00-0252		**Stainless Steel Wall Plates** *(26 27 26 00-0227)*		
26 27 26 00-0253	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	6.78	2.06
26 27 26 00-0254	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	10.46	2.38
26 27 26 00-0255	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	14.31	2.66
26 27 26 00-0256	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	20.53	2.89
26 27 26 00-0257	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	24.03	3.07
26 27 26 00-0258	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	28.84	3.21
26 27 26 00-0259	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	7.34	2.06
26 27 26 00-0260	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	11.78	2.38
26 27 26 00-0261	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	18.68	2.66
26 27 26 00-0262	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	22.43	2.89
26 27 26 00-0263		**Chrome Wall Plates** *(26 27 26 00-0227)*		
26 27 26 00-0264	EA	1 Gang 0.040" Chrome Switch Plate With Chromium Finish	22.84	2.06
26 27 26 00-0265	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish	42.14	2.38
26 27 26 00-0266	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish	61.39	2.66
26 27 26 00-0267	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	22.82	2.06
26 27 26 00-0268		**Weatherproof Covers** *(26 27 26 00-0226)*		
26 27 26 00-0269		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0268)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0270	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	7.90	0.46
26 27 26 00-0271	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	8.55	0.46
26 27 26 00-0272	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	8.55	0.46
26 27 26 00-0273	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	8.55	0.46
26 27 26 00-0274	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	10.53	0.68
26 27 26 00-0275	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	11.92	0.68
26 27 26 00-0276	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	12.06	0.68
26 27 26 00-0277	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	12.06	0.68
26 27 26 00-0278	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	16.32	0.68
26 27 26 00-0279	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	15.56	0.91
26 27 26 00-0280	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	16.99	0.91
26 27 26 00-0281		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0268)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0282	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	9.64	0.46
26 27 26 00-0283	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	30.48	0.46
26 27 26 00-0284	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	34.17	0.46
26 27 26 00-0285	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	9.57	0.46
26 27 26 00-0286	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	25.86	0.46
26 27 26 00-0287	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	42.93	0.46
26 27 26 00-0288	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	54.62	0.46
26 27 26 00-0289	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	12.06	0.68
26 27 26 00-0290	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	86.27	0.68
26 27 26 00-0291	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	20.13	0.91
26 27 26 00-0292	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	82.51	0.91
26 27 26 00-0293		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0268)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0294	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.36	0.46
26 27 26 00-0295	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	4.26	0.46
26 27 26 00-0296	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	5.75	0.68
26 27 26 00-0297	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.22	0.68
26 27 26 00-0298	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	6.22	0.68
26 27 26 00-0299	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	6.89	0.68

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0300		**Heavy Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0268)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0301	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	32.56	0.46
26 27 26 00-0302		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0268)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0303	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.71	0.46
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.71	0.46
26 27 26 00-0305	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.71	0.46
26 27 26 00-0306	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.35	0.68
26 27 26 00-0307	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.35	0.68
26 27 26 00-0308		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0268)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0309	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	50.71	0.46
26 27 26 00-0310		**Non Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0268)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0311	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	7.41	0.46
26 27 26 00-0312	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	8.07	0.68
26 27 26 00-0313	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	7.44	0.46
26 27 26 00-0314	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	16.11	0.46
26 27 26 00-0315	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	18.63	0.46
26 27 26 00-0316	EA	20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	15.15	0.46
26 27 26 00-0317	EA	30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	11.35	0.46
26 27 26 00-0318	EA	50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.24	0.46
26 27 26 00-0319	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	11.86	0.46
26 27 26 00-0320	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	17.10	0.68
26 27 26 00-0321		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0322	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	60.19	
26 27 26 00-0323	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	7.63	
26 27 26 00-0324		**Relay Systems** *(26 27 26)*		
26 27 26 00-0325	EA	Relay 2 Position, 10 Amp, 24 Volt Coil	63.67	20.58
26 27 26 00-0326	EA	Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	258.31	68.62
26 27 26 00-0327	EA	Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	425.32	91.50
26 27 26 00-0328		**Limit Switches** *(26 27 26)*		
26 27 26 00-0329		**Heavy Duty Precision Oiltight** *(26 27 26 00-0328)*		
26 27 26 00-0330		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0329)*		
26 27 26 00-0331	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	363.63	57.65
26 27 26 00-0332		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0333	EA	Single Pole Water Resistant In Line Midget Fuseholder	59.27	
26 27 26 00-0334	EA	Double Pole Water Resistant In Line Midget Fuseholder	125.60	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001		**Door Chimes** *(26 27 73)*		
26 27 73 00-0002	EA	Door Bell, Push-button And Transformer - Complete	585.19	190.59
26 27 73 00-0003	EA	Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	283.00	45.75
26 27 73 00-0004	EA	Replacement Bell/Buzzer - Complete	108.66	22.88
		Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001		**125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses** *(26 28 13)*		
26 28 13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.75	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.34	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.79	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.71	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.23	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.22	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.98	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.01	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.71	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.28	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.88	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0013		Class RK1, Time Delay Fuses *(26 28 13)*		
26 28 13 00-0014		250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0015	EA	1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.43	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0016	EA	2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.65	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0017	EA	3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.89	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0018	EA	4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.73	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0019	EA	5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.48	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0020	EA	10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.74	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0021	EA	15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.77	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0022	EA	20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.62	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0023	EA	25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.78	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0024	EA	30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.58	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0025	EA	35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.97	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0026	EA	40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.37	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0027	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.82	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0028	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.45	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0029	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.91	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	57.85	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0032	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	57.55	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0033	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	63.57	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0034	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	57.08	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0035	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	156.21	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0036	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	115.16	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0037	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	106.41	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0038	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	111.88	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0039	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	206.32	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0040	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	222.55	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0041	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	238.91	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0042	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	185.25	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0043	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	406.61	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0044	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	386.13	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0045	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	302.47	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0046		**600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.10	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0048	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	41.26	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0049	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.88	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0050	EA	4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.67	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0051	EA	5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.99	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0052	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.23	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0053	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.64	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0054	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.38	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0055	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.03	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0056	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.55	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0057	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.93	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0058	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.05	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0059	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.08	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0060	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.54	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0061	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.94	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0062		**600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	95.81	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0064	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	98.41	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0065	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	97.90	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0066	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	98.30	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0067	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	177.11	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0068	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	179.73	9.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 28 13 00-0069	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	178.32	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0070	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	177.89	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0071	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	334.95	11.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0072	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	338.01	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0073	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	380.43	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0074	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	345.22	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0075	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	615.53	13.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 28 13 00-0076	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	550.17	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0077	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	480.73	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0078		**600 Volt AC, Class CC Midget Fuses** *(26 28 13)*		
		Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amp, 600 Volt AC, Class CC Midget Fuse	33.48	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0080	EA	2 Amp, 600 Volt AC, Class CC Midget Fuse	33.95	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0081	EA	3 Amp, 600 Volt AC, Class CC Midget Fuse	33.82	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0082	EA	5 Amp, 600 Volt AC, Class CC Midget Fuse	33.67	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0083	EA	6 Amp, 600 Volt AC, Class CC Midget Fuse	35.90	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0084	EA	8 Amp, 600 Volt AC, Class CC Midget Fuse	32.33	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0085	EA	10 Amp, 600 Volt AC, Class CC Midget Fuse	36.52	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0086	EA	15 Amp, 600 Volt AC, Class CC Midget Fuse	33.68	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0087	EA	20 Amp, 600 Volt AC, Class CC Midget Fuse	33.10	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0088	EA	25 Amp, 600 Volt AC, Class CC Midget Fuse	31.77	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 28 13 00-0089	EA	30 Amp, 600 Volt AC, Class CC Midget Fuse	32.90	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	41.47	4.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 28 13 00-0092	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	41.78	4.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 28 13 00-0093	EA	6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.57	5.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 28 13 00-0094	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.84	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 28 13 00-0095	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	37.58	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 28 13 00-0096	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.92	6.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.12*	
26 28 13 00-0097	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	47.16	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0098	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	39.75	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0099	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	67.42	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0100	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	57.89	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0101	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	65.96	9.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 28 13 00-0102	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	59.58	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 28 13 00-0103	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	58.55	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 28 13 00-0104	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	89.68	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 28 13 00-0105	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	95.34	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 28 13 00-0106	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	93.90	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 28 13 00-0107	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.45	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0108	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	189.00	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0109	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	161.34	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0110	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	154.75	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0111	EA	175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	156.95	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	131.22	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	323.64	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	299.63	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	276.52	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	301.12	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	250.22	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	524.62	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	446.89	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	334.16	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	995.45	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	997.41	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 28 13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	999.23	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 28 13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	996.79	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 28 13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	918.39	13.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 28 13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	983.13	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	905.29	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,011.88	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	992.24	16.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.61*	
26 28 13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	883.92	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	907.54	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,204.45	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	879.63	18.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.98*	
26 28 13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,348.09	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	779.58	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,135.05	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	766.59	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	789.19	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,745.41	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,720.99	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,553.45	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	974.15	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,055.32	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,318.77	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,779.87	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,026.24	22.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	
26 28 13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,984.04	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 28 13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,093.18	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 28 13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,748.03	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 28 13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,749.37	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 28 13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,333.63	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 28 13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	7,167.85	25.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	

26 28 16 Enclosed Switches And Circuit Breakers *(26 28)*

26 28 16 00-0001 Motor And Circuit Disconnects *(26 28 16)*
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 00-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*

26 28 16 00-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*
Note: Includes fuses and neutral bar.

26 28 16 00-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*

26 28 16 00-0005	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	324.18	91.50
26 28 16 00-0006	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	502.89	110.25
26 28 16 00-0007	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	686.72	129.01
26 28 16 00-0008	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,179.20	203.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0009	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,484.58	315.66
26 28 16 00-0010	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,137.13	466.64
26 28 16 00-0011	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,626.63	548.98
26 28 16 00-0012	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,535.39	640.48
26 28 16 00-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 00-0003)*		
26 28 16 00-0014	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	485.96	101.66
26 28 16 00-0015	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	586.29	122.52
26 28 16 00-0016	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	922.22	143.19
26 28 16 00-0017	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,366.38	226.00
26 28 16 00-0018	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,953.40	350.61
26 28 16 00-0019	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,598.36	518.24
26 28 16 00-0020	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,769.05	609.65
26 28 16 00-0021	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,224.05	711.66
26 28 16 00-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 00-0003)*		
26 28 16 00-0023	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	463.88	143.65
26 28 16 00-0024	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	679.33	190.77
26 28 16 00-0025	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	905.83	211.82
26 28 16 00-0026	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,432.19	331.67
26 28 16 00-0027	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,946.44	544.40
26 28 16 00-0028	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,767.95	762.63
26 28 16 00-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 00-0003)*		
26 28 16 00-0030	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	600.33	158.74
26 28 16 00-0031	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	764.98	211.82
26 28 16 00-0032	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,112.49	238.35
26 28 16 00-0033	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,640.48	363.25
26 28 16 00-0034	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,609.52	586.49
26 28 16 00-0035	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,789.23	847.26
26 28 16 00-0036	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,144.22	1,006.46
26 28 16 00-0037	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,660.45	1,143.71
26 28 16 00-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 00-0003)*		
26 28 16 00-0039	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	450.32	143.65
26 28 16 00-0040	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	661.81	190.77
26 28 16 00-0041	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	873.95	211.82
26 28 16 00-0042	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,476.03	331.67
26 28 16 00-0043	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,193.52	544.40
26 28 16 00-0044	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,139.67	762.63
26 28 16 00-0045	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,446.80	960.72

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0046	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,398.49	1,097.96
26 28 16 00-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*		
26 28 16 00-0048	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	650.08	158.74
26 28 16 00-0049	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	826.12	211.82
26 28 16 00-0050	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,201.88	238.35
26 28 16 00-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,774.31	363.25
26 28 16 00-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,895.04	586.49
26 28 16 00-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,293.50	847.26
26 28 16 00-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,981.44	1,006.46
26 28 16 00-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,564.82	1,143.71
26 28 16 00-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		
26 28 16 00-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0058	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	315.60	132.40
26 28 16 00-0059	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	487.24	184.18
26 28 16 00-0060	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	665.62	211.82
26 28 16 00-0061	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,043.68	338.91
26 28 16 00-0062	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,089.00	564.80
26 28 16 00-0063	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,394.09	770.22
26 28 16 00-0064	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,823.60	914.96
26 28 16 00-0065	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,349.85	1,067.85
26 28 16 00-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	348.58	146.12
26 28 16 00-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	551.49	206.69
26 28 16 00-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	751.76	235.33
26 28 16 00-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,167.16	368.37
26 28 16 00-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,247.48	605.16
26 28 16 00-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,753.75	847.17
26 28 16 00-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,335.38	914.96
26 28 16 00-0074	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,050.72	1,067.85
26 28 16 00-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0076	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	370.88	118.94
26 28 16 00-0077	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	564.14	165.61
26 28 16 00-0078	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	754.05	190.77
26 28 16 00-0079	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,185.88	305.14
26 28 16 00-0080	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,352.56	508.26
26 28 16 00-0081	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,765.68	693.08
26 28 16 00-0082	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,401.75	823.47

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0083	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,318.45	960.72
26 28 16 00-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0085	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	404.95	131.30
26 28 16 00-0086	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	621.17	186.20
26 28 16 00-0087	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	823.05	211.82
26 28 16 00-0088	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,280.04	331.67
26 28 16 00-0089	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,520.59	544.40
26 28 16 00-0090	EA	600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,074.26	762.63
26 28 16 00-0091	EA	800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,740.20	823.47
26 28 16 00-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0093	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	430.19	131.48
26 28 16 00-0094	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	664.22	186.02
26 28 16 00-0095	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	893.07	211.82
26 28 16 00-0096	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,387.89	331.49
26 28 16 00-0097	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,671.45	544.58
26 28 16 00-0098	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,520.73	762.45
26 28 16 00-0099	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,250.03	823.47
26 28 16 00-0100	EA	1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,460.38	960.72
26 28 16 00-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0102	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	613.36	119.13
26 28 16 00-0103	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	746.00	165.80
26 28 16 00-0104	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,129.14	190.59
26 28 16 00-0105	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,698.88	304.96
26 28 16 00-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0107	EA	30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	664.81	131.30
26 28 16 00-0108	EA	60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	816.04	186.20
26 28 16 00-0109	EA	100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,224.94	211.82
26 28 16 00-0110	EA	200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,829.70	331.67
26 28 16 00-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0112	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	735.08	131.48
26 28 16 00-0113	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	893.55	186.02
26 28 16 00-0114	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,364.32	211.82
26 28 16 00-0115	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,032.74	331.49
26 28 16 00-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		

Note: Includes fuses and neutral bar.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0118	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	228.64	79.60
26 28 16 00-0119	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	308.76	95.79
26 28 16 00-0120	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	466.82	111.99
26 28 16 00-0121	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	857.08	176.68
26 28 16 00-0122	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,004.98	274.04
26 28 16 00-0123	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,725.08	405.60
26 28 16 00-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	319.42	125.07
26 28 16 00-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	448.42	165.80
26 28 16 00-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	611.18	184.18
26 28 16 00-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,081.14	288.30
26 28 16 00-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,405.93	473.59
26 28 16 00-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,243.56	662.98
26 28 16 00-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0132	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	352.21	125.07
26 28 16 00-0133	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	501.28	165.80
26 28 16 00-0134	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	659.28	184.18
26 28 16 00-0135	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,202.32	288.30
26 28 16 00-0136	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,613.06	473.59
26 28 16 00-0137	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,374.86	662.98
26 28 16 00-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		
26 28 16 00-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0138)*		
26 28 16 00-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	312.86	110.71
26 28 16 00-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	411.83	127.27
26 28 16 00-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	910.84	203.39
26 28 16 00-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,931.07	338.54
26 28 16 00-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,314.32	461.33
26 28 16 00-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0138)*		
26 28 16 00-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	295.33	103.57
26 28 16 00-0147	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	405.17	144.11
26 28 16 00-0148	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	604.01	165.80
26 28 16 00-0149	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,035.01	265.25
26 28 16 00-0150	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,138.80	442.12
26 28 16 00-0151	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,598.35	602.60

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0153		Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0155	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	469.93	107.51
26 28 16 00-0156	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	737.88	129.01
26 28 16 00-0157	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	919.67	150.05
26 28 16 00-0158	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,348.28	228.74
26 28 16 00-0159	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,947.14	365.98
26 28 16 00-0160	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,129.96	488.13
26 28 16 00-0161	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,649.32	548.98
26 28 16 00-0162	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,116.05	640.48
26 28 16 00-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0164	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	799.16	143.28
26 28 16 00-0165	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	952.79	175.68
26 28 16 00-0166	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,341.39	201.75
26 28 16 00-0167	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,894.15	302.58
26 28 16 00-0168	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,084.40	495.08
26 28 16 00-0169	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,458.28	680.83
26 28 16 00-0170	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,915.62	783.94
26 28 16 00-0171	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,028.98	882.49
26 28 16 00-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0173	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	606.89	169.27
26 28 16 00-0174	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	953.04	224.16
26 28 16 00-0175	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,143.07	246.13
26 28 16 00-0176	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,698.71	381.08
26 28 16 00-0177	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,630.14	635.45
26 28 16 00-0178	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,006.55	847.26
26 28 16 00-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0180	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	915.41	200.66
26 28 16 00-0181	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,093.72	245.94
26 28 16 00-0182	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,453.52	282.36
26 28 16 00-0183	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,114.54	423.63
26 28 16 00-0184	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,407.23	693.18
26 28 16 00-0185	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,892.21	953.12
26 28 16 00-0186	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,114.31	1,097.96

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0187	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,286.23	1,235.20
26 28 16 00-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0153)*		
26 28 16 00-0189	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	662.49	169.27
26 28 16 00-0190	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	954.65	224.16
26 28 16 00-0191	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,221.24	246.13
26 28 16 00-0192	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,750.85	381.08
26 28 16 00-0193	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,677.96	635.45
26 28 16 00-0194	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,532.62	847.26
26 28 16 00-0195	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,799.41	960.72
26 28 16 00-0196	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,438.90	1,097.96
26 28 16 00-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0153)*		
26 28 16 00-0198	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	947.30	200.84
26 28 16 00-0199	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,129.58	246.13
26 28 16 00-0200	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,533.23	282.26
26 28 16 00-0201	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,166.36	423.63
26 28 16 00-0202	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,594.54	693.08
26 28 16 00-0203	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,107.42	952.94
26 28 16 00-0204	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,791.98	1,097.96
26 28 16 00-0205	EA	1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,179.48	1,235.20
26 28 16 00-0206		**Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0152)*		
26 28 16 00-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0206)*		
26 28 16 00-0208	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	444.33	94.15
26 28 16 00-0209	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	720.27	130.38
26 28 16 00-0210	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	942.10	149.50
26 28 16 00-0211	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,263.16	242.10
26 28 16 00-0212	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,782.03	403.87
26 28 16 00-0213	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,028.90	538.46
26 28 16 00-0214	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,040.19	640.75
26 28 16 00-0215	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,588.66	732.24
26 28 16 00-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0206)*		
26 28 16 00-0217	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	499.76	103.76
26 28 16 00-0218	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	815.69	145.20
26 28 16 00-0219	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,062.70	163.96
26 28 16 00-0220	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,398.67	254.18
26 28 16 00-0221	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,149.55	423.63
26 28 16 00-0222	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,425.83	564.80

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0223	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,571.92	671.22
26 28 16 00-0224	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,284.41	762.45
26 28 16 00-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0206)*		
26 28 16 00-0226	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	538.46	141.18
26 28 16 00-0227	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	850.60	195.53
26 28 16 00-0228	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,091.60	224.25
26 28 16 00-0229	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,505.21	363.15
26 28 16 00-0230	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,225.91	605.71
26 28 16 00-0231	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,645.78	807.46
26 28 16 00-0232	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,768.50	960.72
26 28 16 00-0233	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,570.12	1,097.96
26 28 16 00-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0206)*		
26 28 16 00-0235	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	585.57	155.55
26 28 16 00-0236	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	928.11	217.85
26 28 16 00-0237	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,180.95	245.94
26 28 16 00-0238	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,597.18	381.26
26 28 16 00-0239	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,429.03	635.35
26 28 16 00-0240	EA	600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,012.64	847.17
26 28 16 00-0241	EA	800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,348.90	1,006.46
26 28 16 00-0242	EA	1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,329.70	1,143.71
26 28 16 00-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0206)*		
26 28 16 00-0244	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	331.96	155.55
26 28 16 00-0245	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	960.91	217.85
26 28 16 00-0246	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,226.68	245.94
26 28 16 00-0247	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,652.84	381.26
26 28 16 00-0248	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,573.15	635.35
26 28 16 00-0249	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,990.62	847.17
26 28 16 00-0250	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,336.56	1,006.46
26 28 16 00-0251	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,312.92	1,143.71
26 28 16 00-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 00-0252)*		
26 28 16 00-0254	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	293.67	93.51
26 28 16 00-0255	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	409.93	112.18
26 28 16 00-0256	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	535.35	130.47
26 28 16 00-0257	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,082.43	198.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0258	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,610.08	318.23
26 28 16 00-0259	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,594.96	424.54
26 28 16 00-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0252)*		
26 28 16 00-0261	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	401.79	147.40
26 28 16 00-0262	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	575.83	194.98
26 28 16 00-0263	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	701.86	213.92
26 28 16 00-0264	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,348.32	331.49
26 28 16 00-0265	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,080.01	552.46
26 28 16 00-0266	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,226.08	736.91
26 28 16 00-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0252)*		
26 28 16 00-0268	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	447.74	147.31
26 28 16 00-0269	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	621.96	194.98
26 28 16 00-0270	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	850.25	213.92
26 28 16 00-0271	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,444.14	331.49
26 28 16 00-0272	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,141.56	552.55
26 28 16 00-0273	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,706.31	736.91
26 28 16 00-0274	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,105.69	834.81
26 28 16 00-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)*		
26 28 16 00-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0275)*		
26 28 16 00-0277	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	264.44	81.89
26 28 16 00-0278	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	428.15	113.36
26 28 16 00-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	452.48	130.01
26 28 16 00-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,105.96	210.45
26 28 16 00-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,676.38	351.16
26 28 16 00-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,684.41	468.19
26 28 16 00-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0275)*		
26 28 16 00-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	412.70	122.79
26 28 16 00-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	592.60	170.00
26 28 16 00-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	855.58	194.98
26 28 16 00-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,466.48	315.75
26 28 16 00-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,204.59	91.50
26 28 16 00-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,447.09	110.25
26 28 16 00-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,930.87	128.83
26 28 16 00-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,059.33	203.30
26 28 16 00-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,230.77	315.48
26 28 16 00-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,833.98	466.45
26 28 16 00-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,525.44	101.66
26 28 16 00-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,698.45	122.42
26 28 16 00-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,169.70	143.10
26 28 16 00-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,484.99	226.00
26 28 16 00-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,552.87	350.80
26 28 16 00-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,266.98	518.24
26 28 16 00-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,362.76	143.83
26 28 16 00-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,710.35	190.59
26 28 16 00-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,229.04	211.82
26 28 16 00-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,596.94	331.49
26 28 16 00-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,940.46	544.58
26 28 16 00-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,755.48	762.45
26 28 16 00-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,643.93	158.84
26 28 16 00-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,881.67	211.82
26 28 16 00-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,368.96	238.25
26 28 16 00-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,771.67	363.06
26 28 16 00-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,238.57	586.49
26 28 16 00-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,148.89	847.17
26 28 16 00-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,622.71	143.83
26 28 16 00-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,035.32	190.59
26 28 16 00-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,879.30	211.82
26 28 16 00-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,486.13	331.49
26 28 16 00-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,690.51	544.58
26 28 16 00-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,160.46	762.45
26 28 16 00-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,951.09	158.84
26 28 16 00-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,229.98	211.82
26 28 16 00-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,032.71	238.25
26 28 16 00-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,668.29	363.06
26 28 16 00-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,012.23	586.49
26 28 16 00-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,586.66	847.17
26 28 16 00-0332		Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0334	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,156.62	91.50
26 28 16 00-0335	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,411.46	127.27
26 28 16 00-0336	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,635.63	146.40
26 28 16 00-0337	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,663.88	233.86
26 28 16 00-0338	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,661.98	389.41
26 28 16 00-0339	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,535.33	530.50
26 28 16 00-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0341	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,314.65	100.92
26 28 16 00-0342	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,607.51	142.74
26 28 16 00-0343	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,002.86	162.68
26 28 16 00-0344	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,161.11	254.18
26 28 16 00-0345	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,560.26	418.32
26 28 16 00-0346	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,856.23	585.58
26 28 16 00-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0348	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,211.90	119.13
26 28 16 00-0349	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,469.96	165.80
26 28 16 00-0350	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,538.08	190.59
26 28 16 00-0351	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,952.81	304.96
26 28 16 00-0352	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,212.73	508.35
26 28 16 00-0353	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,139.74	693.18
26 28 16 00-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0355	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,375.64	131.48
26 28 16 00-0356	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,694.05	186.02
26 28 16 00-0357	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,101.13	211.82
26 28 16 00-0358	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,315.69	331.49
26 28 16 00-0359	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,590.00	544.58
26 28 16 00-0360	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,528.86	762.45

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0362	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,656.30	119.13
26 28 16 00-0363	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,991.22	165.80
26 28 16 00-0364	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,439.43	190.59
26 28 16 00-0365	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,775.55	304.96
26 28 16 00-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,883.53	131.48
26 28 16 00-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,268.75	186.02
26 28 16 00-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,061.54	211.82
26 28 16 00-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,709.37	331.49
26 28 16 00-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0371)*		
26 28 16 00-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,191.78	158.74
26 28 16 00-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,505.34	211.82
26 28 16 00-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,470.93	238.35
26 28 16 00-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,831.51	363.25
26 28 16 00-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0371)*		
26 28 16 00-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,048.52	131.30
26 28 16 00-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,356.42	186.20
26 28 16 00-0380	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,223.48	211.82
26 28 16 00-0381	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,750.83	331.67
26 28 16 00-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0382)*		
26 28 16 00-0384	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,501.06	158.74
26 28 16 00-0385	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,851.42	211.82
26 28 16 00-0386	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,125.42	238.35
26 28 16 00-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0382)*		
26 28 16 00-0388	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,341.16	131.30
26 28 16 00-0389	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,684.10	186.20
26 28 16 00-0390	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,851.68	211.82
26 28 16 00-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 00-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 00-0391)* Note: With fuses and neutral bar.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0393	EA	30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,991.08	182.99
26 28 16 00-0394	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,060.79	217.85
26 28 16 00-0395	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,497.16	245.94
26 28 16 00-0396	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,267.14	381.26
26 28 16 00-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0391)*		
26 28 16 00-0398	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,563.66	217.85
26 28 16 00-0399	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,827.90	245.94
26 28 16 00-0400	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,344.36	381.26
26 28 16 00-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0401)* Note: With fuses and neutral bar.		
26 28 16 00-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	452.80	91.50
26 28 16 00-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	589.22	110.25
26 28 16 00-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	799.14	129.01
26 28 16 00-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,344.69	203.12
26 28 16 00-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,842.89	315.66
26 28 16 00-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,109.55	466.64
26 28 16 00-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	701.50	101.57
26 28 16 00-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	727.28	122.61
26 28 16 00-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,040.09	143.19
26 28 16 00-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,627.74	226.00
26 28 16 00-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,519.32	350.43
26 28 16 00-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,922.04	518.33
26 28 16 00-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	633.07	143.65
26 28 16 00-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	874.99	190.77
26 28 16 00-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,183.56	211.82
26 28 16 00-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,762.93	331.67
26 28 16 00-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,436.63	544.40
26 28 16 00-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,492.01	762.63
26 28 16 00-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	835.80	158.74
26 28 16 00-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	953.66	211.82
26 28 16 00-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,389.19	238.35
26 28 16 00-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,025.39	363.25
26 28 16 00-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,205.91	586.49
26 28 16 00-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,855.77	847.26

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*			
26 28 16 00-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		674.31	143.65
26 28 16 00-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		903.32	190.77
26 28 16 00-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,272.49	211.82
26 28 16 00-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,874.57	331.67
26 28 16 00-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		3,735.55	544.40
26 28 16 00-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		5,693.95	762.63
26 28 16 00-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*			
26 28 16 00-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		883.61	158.74
26 28 16 00-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,081.19	211.82
26 28 16 00-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,476.89	238.35
26 28 16 00-0442	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		2,192.77	363.25
26 28 16 00-0443	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		4,476.91	586.49
26 28 16 00-0444	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		8,078.95	847.26
26 28 16 00-0445		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0401)*			
26 28 16 00-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*			
26 28 16 00-0447	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		472.87	132.21
26 28 16 00-0448	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		628.38	184.36
26 28 16 00-0449	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		828.36	211.82
26 28 16 00-0450	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,186.85	339.00
26 28 16 00-0451	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		2,583.26	565.00
26 28 16 00-0452	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		4,072.07	770.40
26 28 16 00-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*			
26 28 16 00-0454	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		526.86	145.94
26 28 16 00-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase		698.65	206.78
26 28 16 00-0456	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		923.14	235.15
26 28 16 00-0457	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,289.56	368.28
26 28 16 00-0458	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		2,736.57	605.25
26 28 16 00-0459	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		4,499.01	847.26
26 28 16 00-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*			
26 28 16 00-0461	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		609.27	118.94
26 28 16 00-0462	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		803.36	165.61
26 28 16 00-0463	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,063.79	190.77
26 28 16 00-0464	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		1,524.87	305.14
26 28 16 00-0465	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		3,185.89	508.26
26 28 16 00-0466	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch		5,006.24	693.08

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0468	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	599.29	131.30
26 28 16 00-0469	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	870.11	186.20
26 28 16 00-0470	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,140.97	211.82
26 28 16 00-0471	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,511.90	331.67
26 28 16 00-0472	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,205.49	544.40
26 28 16 00-0473	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,948.72	762.63
26 28 16 00-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0475	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	727.25	118.94
26 28 16 00-0476	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	870.46	165.61
26 28 16 00-0477	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,338.66	190.77
26 28 16 00-0478	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,123.31	305.14
26 28 16 00-0479	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,808.89	388.86
26 28 16 00-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0481	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	757.11	131.30
26 28 16 00-0482	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	949.81	186.20
26 28 16 00-0483	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,431.90	211.82
26 28 16 00-0484	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,185.42	331.67
26 28 16 00-0485	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,071.39	512.38
26 28 16 00-0486		Double Throw Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0486)*		
26 28 16 00-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0489	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	569.02	117.57
26 28 16 00-0490	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	836.10	153.71
26 28 16 00-0491	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,169.50	200.84
26 28 16 00-0492	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,558.05	261.22
26 28 16 00-0493	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,692.47	326.64
26 28 16 00-0494	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,702.08	523.82
26 28 16 00-0495	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	7,717.35	731.97
26 28 16 00-0496	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	11,316.79	823.47
26 28 16 00-0497	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	13,322.22	914.96
26 28 16 00-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0499	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	721.62	164.69
26 28 16 00-0500	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,004.00	215.02
26 28 16 00-0501	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,501.86	281.35
26 28 16 00-0502	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,194.95	365.98
26 28 16 00-0503	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,089.77	457.49
26 28 16 00-0504	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,123.24	731.97
26 28 16 00-0505	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	8,330.98	823.47
26 28 16 00-0506	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	11,857.55	914.96
26 28 16 00-0507	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	14,041.03	1,006.46
26 28 16 00-0508		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0509	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	955.95	205.87
26 28 16 00-0510	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,384.01	269.00

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0511	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,428.39	351.34
26 28 16 00-0512	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,321.07	456.57
26 28 16 00-0513	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,616.30	571.85
26 28 16 00-0514	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,413.46	916.34
26 28 16 00-0515	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	10,614.49	1,006.46
26 28 16 00-0516	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	14,056.93	1,052.21
26 28 16 00-0517	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	15,749.15	1,097.96
26 28 16 00-0518		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0487)*		
26 28 16 00-0519	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	960.42	153.71
26 28 16 00-0520	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,437.49	200.84
26 28 16 00-0521	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,111.32	261.22
26 28 16 00-0522	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,915.56	326.64
26 28 16 00-0523	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,275.01	523.82
26 28 16 00-0524	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	8,342.69	731.97
26 28 16 00-0525	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	12,283.77	823.47
26 28 16 00-0526	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	14,471.45	914.96
26 28 16 00-0527		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0487)*		
26 28 16 00-0528	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,082.90	215.02
26 28 16 00-0529	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,598.07	281.35
26 28 16 00-0530	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,319.95	365.98
26 28 16 00-0531	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,177.02	457.49
26 28 16 00-0532	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,692.55	731.97
26 28 16 00-0533	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	8,999.39	823.47
26 28 16 00-0534	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	12,860.31	914.96
26 28 16 00-0535	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	15,243.84	1,006.46
26 28 16 00-0536		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0487)*		
26 28 16 00-0537	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,461.84	269.00
26 28 16 00-0538	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,540.85	351.34
26 28 16 00-0539	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,553.67	456.57
26 28 16 00-0540	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,111.83	571.85
26 28 16 00-0541	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,968.12	916.34
26 28 16 00-0542	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	11,474.64	1,006.46
26 28 16 00-0543	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	15,252.18	1,052.21
26 28 16 00-0544	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	17,104.47	1,097.96
26 28 16 00-0545		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0486)*		
26 28 16 00-0546		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0545)*		
26 28 16 00-0547	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,451.29	200.84
26 28 16 00-0548	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,287.66	261.22
26 28 16 00-0549	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,659.97	326.64
26 28 16 00-0550	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,351.82	523.82
26 28 16 00-0551		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0545)*		
26 28 16 00-0552	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,905.94	280.90
26 28 16 00-0553	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,059.06	365.53
26 28 16 00-0554	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,015.72	457.49
26 28 16 00-0555	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,019.77	733.35
26 28 16 00-0556		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0545)*		
26 28 16 00-0557	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,823.73	205.96
26 28 16 00-0558	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,264.29	268.81
26 28 16 00-0559	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,169.69	351.25
26 28 16 00-0560	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,573.52	456.76
26 28 16 00-0561	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,723.76	571.85
26 28 16 00-0562	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,060.92	916.43
26 28 16 00-0563		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0545)*		
26 28 16 00-0564	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,227.46	153.71
26 28 16 00-0565	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,861.48	200.84
26 28 16 00-0566	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,367.32	261.22

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0567	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,443.26	326.64
26 28 16 00-0568	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,628.61	523.82
26 28 16 00-0569		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0545)*		
26 28 16 00-0570	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,398.96	215.02
26 28 16 00-0571	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,099.07	280.90
26 28 16 00-0572	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,725.66	365.53
26 28 16 00-0573	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,009.48	457.49
26 28 16 00-0574	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,444.63	733.35
26 28 16 00-0575		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0545)*		
26 28 16 00-0576	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,282.30	268.81
26 28 16 00-0577	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,177.95	351.25
26 28 16 00-0578	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,688.28	456.76
26 28 16 00-0579	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,710.21	571.85
26 28 16 00-0580	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,135.60	916.43
26 28 16 00-0581		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0486)*		
26 28 16 00-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0583	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,449.80	117.67
26 28 16 00-0584	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,646.38	153.62
26 28 16 00-0585	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,868.46	200.75
26 28 16 00-0586	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,565.60	261.04
26 28 16 00-0587	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,760.70	326.73
26 28 16 00-0588	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,990.93	523.63
26 28 16 00-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0590	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,672.10	164.69
26 28 16 00-0591	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,981.91	215.02
26 28 16 00-0592	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,357.27	280.90
26 28 16 00-0593	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,281.16	365.53
26 28 16 00-0594	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,937.73	457.49
26 28 16 00-0595	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,872.51	733.35
26 28 16 00-0596		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0597	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,489.90	205.96
26 28 16 00-0598	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,918.89	268.81
26 28 16 00-0599	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,998.37	351.25
26 28 16 00-0600	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,427.65	456.76
26 28 16 00-0601	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,991.25	571.85
26 28 16 00-0602	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,455.87	916.43
26 28 16 00-0603		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0604	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,161.99	153.62
26 28 16 00-0605	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,281.48	200.75
26 28 16 00-0606	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,301.11	261.04
26 28 16 00-0607	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,196.55	326.73
26 28 16 00-0608	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,337.94	523.63
26 28 16 00-0609		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0610	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,382.49	215.02
26 28 16 00-0611	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,541.11	280.90
26 28 16 00-0612	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,708.44	365.53
26 28 16 00-0613	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,749.54	457.49
26 28 16 00-0614	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,138.34	733.35
26 28 16 00-0615		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0581)*		
26 28 16 00-0616	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,948.27	268.81
26 28 16 00-0617	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,215.05	351.25
26 28 16 00-0618	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,555.36	456.76
26 28 16 00-0619	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,266.15	571.85

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0620	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,820.24	916.43
26 28 16 00-0621		Removal And Reinstallation Of Disconnect Switches *(26 28 16 00-0001)*		
		Note: Includes storage and cleaning.		
26 28 16 00-0622	EA	Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	457.49	
26 28 16 00-0623	EA	Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	594.76	
26 28 16 00-0624	EA	Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	663.40	
26 28 16 00-0625	EA	Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	777.77	
26 28 16 00-0626		Bolted Contact Switches *(26 28 16)*		
		Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0627		Electrical Trip, Bolted Contact Switches *(26 28 16 00-0626)*		
26 28 16 00-0628		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 00-0627)*		
26 28 16 00-0629	EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	6,029.13	914.96
26 28 16 00-0630	EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	6,575.28	1,097.96
26 28 16 00-0631	EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	7,194.18	1,280.96
26 28 16 00-0632	EA	2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	7,646.80	1,463.95
26 28 16 00-0633	EA	2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	8,632.96	1,646.94
26 28 16 00-0634	EA	3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	10,720.89	1,829.93
26 28 16 00-0635	EA	4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	14,328.55	2,195.92
26 28 16 00-0636		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 00-0627)*		
26 28 16 00-0637	EA	800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	6,365.20	914.96
26 28 16 00-0638	EA	1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,977.19	1,097.96
26 28 16 00-0639	EA	1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	7,592.62	1,280.96
26 28 16 00-0640	EA	2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	8,218.47	1,463.95
26 28 16 00-0641	EA	2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	9,249.67	1,646.94
26 28 16 00-0642	EA	3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	11,878.09	1,829.93
26 28 16 00-0643	EA	4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	15,534.26	2,195.92
26 28 16 00-0644		Manually Operated, Bolted Contact Switches *(26 28 16 00-0626)*		
26 28 16 00-0645		Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 00-0644)*		
26 28 16 00-0646	EA	800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	4,518.53	914.96
26 28 16 00-0647	EA	1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	5,082.70	1,097.96
26 28 16 00-0648	EA	1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	5,675.27	1,280.96
26 28 16 00-0649	EA	2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	6,263.70	1,463.95
26 28 16 00-0650	EA	2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	6,886.76	1,646.94
26 28 16 00-0651	EA	3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	8,974.69	1,829.93
26 28 16 00-0652	EA	4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	12,540.77	2,195.92
26 28 16 00-0653		Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 00-0644)*		
26 28 16 00-0654	EA	800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	4,740.96	914.96
26 28 16 00-0655	EA	1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	5,418.77	1,097.96
26 28 16 00-0656	EA	1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	6,000.95	1,280.96
26 28 16 00-0657	EA	2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	6,694.01	1,463.95
26 28 16 00-0658	EA	2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	7,427.25	1,646.94
26 28 16 00-0659	EA	3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	10,045.27	1,829.93
26 28 16 00-0660	EA	4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	13,663.33	2,195.92

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	187.99	45.82
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.67*	
		For Oversized Enclosure, Add	*26.89*	
		For Pilot Light, Add	*39.44*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	246.41	59.56
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.67*	
		For Oversized Enclosure, Add	*26.89*	
		For Pilot Light, Add	*39.44*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	214.87	45.82
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.67*	
		For Oversized Enclosure, Add	*26.89*	
		For Pilot Light, Add	*39.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	273.29	59.56
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.67*	
		For Oversized Enclosure, Add	*26.89*	
		For Pilot Light, Add	*39.44*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	199.64	45.82
		For Oversized Enclosure, Add	*26.89*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	261.64	59.56
		For Oversized Enclosure, Add	*26.89*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	416.04	54.98
		For Pilot Light, Add	*103.07*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	477.15	68.72
		For Pilot Light, Add	*103.07*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	442.93	54.98
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	501.35	68.72

26 29 13 13-0013 Non Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	148.71	45.82
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	247.98	59.56
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	168.25	50.40
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	268.39	64.15
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	173.79	45.82
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	273.92	59.56
		For Oversize Enclosure, Add	*12.97*	
		For Pilot Light, Add	*62.27*	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	381.51	54.98
		For Pilot Light, Add	*98.59*	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	471.27	68.72
		For Pilot Light, Add	*98.59*	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	401.92	59.56
		For Pilot Light, Add	*98.59*	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	489.09	73.31
		For Pilot Light, Add	*98.59*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	405.73	54.98
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	502.40	68.72
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	109.12	32.07
		For Pilot Light, Add	*62.27*	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	208.38	45.82
		For Pilot Light, Add	*62.27*	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	128.66	36.65
		For Pilot Light, Add	*62.27*	
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	227.92	50.40
		For Pilot Light, Add	*62.27*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	413.14	82.47
		For Pilot Light, Add	*100.32*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	601.31	109.96
		For Pilot Light, Add	*100.32*	
26 29 13 13-0033		**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	413.14	82.47
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	601.31	109.96
26 29 13 13-0036		**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	385.13	54.98
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	385.13	54.98
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	812.16	64.15
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	812.16	64.15
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,066.70	64.15
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	492.19	64.15
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	330.75	41.24
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	458.82	59.56
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	458.82	59.56
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	974.58	68.72
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	974.58	68.72
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,248.84	68.72
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	565.88	68.72
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	404.44	45.82
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	606.91	64.15
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	606.91	64.15
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,161.21	73.31
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,161.21	73.31
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,423.82	73.31
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	716.66	73.31
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	555.21	50.40
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	476.71	68.72
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	476.71	68.72
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	903.74	77.88
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	903.74	77.88
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,165.45	77.88
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	584.67	77.88
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	425.02	54.98
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	550.41	73.31
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	550.41	73.31
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,066.16	82.47
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,066.16	82.47
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,346.69	82.47
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	657.46	82.47

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	496.02	59.56
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,132.19	96.22
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,132.19	96.22
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,001.03	68.72
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,341.43	105.38
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,210.26	77.88
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,132.19	96.22
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,001.03	68.72
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,341.43	105.38
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,210.26	77.88
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	440.50	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	496.46	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	478.14	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	535.00	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	590.98	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	747.23	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	942.93	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	559.20	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	615.17	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	672.94	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	857.58	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	1,052.38	187.85
		For Factory Installed Accessory, Deduct	*-375.70*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	961.13	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,065.41	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,387.38	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,449.01	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,643.71	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,092.07	229.09
		For Factory Installed Accessory, Deduct	*-458.17*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,001.10	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,292.17	229.09
		For Factory Installed Accessory, Deduct	*-458.17*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,614.15	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	4,904.99	320.72
		For Factory Installed Accessory, Deduct	*-641.44*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	6,691.04	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	7,411.16	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	19,328.79	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	27,666.28	824.70
		For Factory Installed Accessory, Deduct	*-1,649.41*	

26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	468.28	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	524.25	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	505.93	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	563.68	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	619.66	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	777.71	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	974.30	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	588.78	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	646.54	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	702.52	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	888.06	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	1,081.96	187.85
		For Factory Installed Accessory, Deduct	*-375.70*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	1,093.78	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	1,198.95	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,520.03	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,709.83	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,903.63	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	2,352.88	229.09
		For Factory Installed Accessory, Deduct	*-458.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	3,832.62	229.09
		For Factory Installed Accessory, Deduct	*-458.17*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	4,154.60	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	8,396.16	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	23,660.46	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	32,010.49	824.70
		For Factory Installed Accessory, Deduct	*-1,649.41*	

26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	716.94	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	772.92	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	855.78	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,373.42	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,479.48	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	2,041.44	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	2,234.35	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	5,252.53	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	11,205.96	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	27,105.71	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	

26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	1,066.89	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	1,106.33	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	1,162.30	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,347.84	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	2,118.52	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	3,205.01	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	6,376.45	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	11,205.96	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	30,041.89	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	

26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	2,148.50	146.62
		For Factory Installed Accessory, Deduct	*-293.23*	

26 29 13 13-0159 Non Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	529.23	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	547.55	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	591.47	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	654.61	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	1,054.96	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	674.33	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	793.94	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	831.58	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	1,042.69	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1)	1,181.03	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	1,834.62	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	3,908.13	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1)	8,935.71	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2)	20,598.81	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	29,666.75	824.70
		For Factory Installed Accessory, Deduct	*-1,649.41*	

26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	558.81	91.63
		For Factory Installed Accessory, Deduct	*-183.27*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12)	577.13	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	621.04	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2)	684.19	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	703.01	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	767.05	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	862.05	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	1,176.24	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	1,314.57	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	2,095.43	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	4,448.58	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	9,923.40	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	

26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	774.31	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	837.45	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	856.27	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	920.31	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	1,015.31	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,456.77	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,594.21	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,426.15	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	5,545.61	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	12,730.51	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	30,431.76	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	

26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	774.31	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	837.45	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	856.27	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	920.31	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	1,015.31	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,456.77	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,594.21	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,426.15	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	5,545.61	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	2,238.54	155.78
		For Factory Installed Accessory, Deduct	*-311.56*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	2,760.16	155.78
		For Factory Installed Accessory, Deduct	*-311.56*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	2,843.02	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	4,423.94	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	5,332.97	229.09
		For Factory Installed Accessory, Deduct	*-458.17*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	8,508.88	320.72
		For Factory Installed Accessory, Deduct	*-641.44*	

26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	1,067.38	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	1,131.42	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	1,162.79	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	1,226.83	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	1,321.84	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	2,094.02	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	3,395.92	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	6,668.63	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	14,889.62	366.53
		For Factory Installed Accessory, Deduct	*-733.07*	

26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	2,234.14	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	4,154.16	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	8,199.46	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	

26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	2,167.33	146.62
		For Factory Installed Accessory, Deduct	*-293.23*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	2,238.54	155.78
		For Factory Installed Accessory, Deduct	*-311.56*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	2,270.80	155.78
		For Factory Installed Accessory, Deduct	*-311.56*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	2,338.42	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	2,447.76	164.94
		For Factory Installed Accessory, Deduct	*-329.88*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	3,613.71	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,011.73	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,068.19	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,183.31	128.29
		For Factory Installed Accessory, Deduct	*-256.57*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,226.74	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,258.11	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,346.34	146.62
		For Factory Installed Accessory, Deduct	*-293.23*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,400.72	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,432.99	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,471.86	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,047.05	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	9,366.13	412.35
		For Factory Installed Accessory, Deduct	*-824.70*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	17,509.37	549.81
		For Factory Installed Accessory, Deduct	*-1,099.60*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	56,912.36	1,007.97
		For Factory Installed Accessory, Deduct	*-2,015.94*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,047.18	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,092.39	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,124.66	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,237.09	128.29
		For Factory Installed Accessory, Deduct	*-256.57*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,282.31	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,314.57	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,427.01	146.62
		For Factory Installed Accessory, Deduct	*-293.23*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,481.39	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,513.65	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,681.59	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	4,410.04	274.90
		For Factory Installed Accessory, Deduct	*-549.81*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	10,032.96	412.35
		For Factory Installed Accessory, Deduct	*-824.70*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,511.75	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,544.02	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,743.10	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,065.19	183.27
		For Factory Installed Accessory, Deduct	*-366.53*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,900.73	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,244.41	146.62
		For Factory Installed Accessory, Deduct	*-293.23*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	141.47	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	242.65	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	141.47	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	242.65	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	242.65	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	119.50	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	106.22	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	141.47	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	119.50	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	159.87	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	179.81	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	311.65	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	331.07	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	395.96	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	693.38	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	693.38	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	40.43	6.87
		For Factory Installed Accessory, Deduct	*-13.75*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	83.73	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	110.81	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	86.28	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	47.79	6.87
		For Factory Installed Accessory, Deduct	*-13.75*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	28.37	6.87
		For Factory Installed Accessory, Deduct	*-13.75*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	156.30	9.16
		For Factory Installed Accessory, Deduct	*-18.32*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	271.27	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	486.11	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	485.22	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	525.06	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	518.38	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	563.60	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	547.06	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	632.51	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	706.90	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	892.54	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	499.15	100.79
		For Factory Installed Accessory, Deduct	*-201.59*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	538.99	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	537.20	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	579.73	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	571.26	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	617.37	119.12
		For Factory Installed Accessory, Deduct	*-238.25*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	601.73	109.96
		For Factory Installed Accessory, Deduct	*-219.92*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	686.29	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	757.99	137.45
		For Factory Installed Accessory, Deduct	*-274.90*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	944.52	160.35
		For Factory Installed Accessory, Deduct	*-320.72*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	159.87	11.45
		For Factory Installed Accessory, Deduct	*-22.91*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	142.72	45.82
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	168.01	50.40
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	168.01	50.40
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	187.04	54.98
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	158.85	45.82
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	167.81	45.82

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	183.25	50.40
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	192.21	50.40
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	188.62	50.40
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	192.21	50.40
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	204.96	54.98
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	197.59	50.40
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	213.93	54.98
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	199.38	50.40
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	199.38	50.40
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	222.89	54.98
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	222.89	54.98
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	208.14	45.82
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	226.07	45.82
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	250.47	50.40
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	250.47	50.40
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	268.39	50.40
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	281.15	54.98
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	281.15	54.98
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	241.31	45.82
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	259.23	45.82
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	281.84	50.40
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	299.76	50.40
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	317.89	54.98
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	335.82	54.98
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	271.98	50.40
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	314.10	50.40
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	355.54	54.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	59.89	22.91
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	66.81	22.91
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	79.34	22.91
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	104.27	22.91
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	6,592.57	439.18
		For NEMA 4, Add	*711.94*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	11,576.34	585.58
		For NEMA 4, Add	*1,300.41*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	20,373.92	695.37
		For NEMA 4, Add	*2,373.45*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	49,958.80	850.91
		For NEMA 4, Add	*6,033.05*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	79,791.37	1,088.81
		For NEMA 4, Add	*9,701.61*	
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	6,545.13	448.52
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	11,489.69	586.49
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	20,215.76	693.18
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	49,556.79	847.17
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	79,144.90	1,089.27
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	167.74	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	184.99	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	314.89	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	171.09	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	246.01	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	123.01	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	401.48	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,613.84	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,558.74	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	551.07	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	456.61	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,132.92	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,900.85	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	8,297.48	
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	358.21	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volts, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,460.74	210.45
		For Electronic Overloads, Add	*197.06*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,757.13	329.39
		For Electronic Overloads, Add	*207.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,494.84	384.29
		For Electronic Overloads, Add	*329.15*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,836.56	475.78
		For Electronic Overloads, Add	*547.86*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,086.74	759.42
		For Electronic Overloads, Add	*1,056.74*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	14,393.63	951.57
		For Electronic Overloads, Add	*2,372.62*	

26 29 13 13-0409 NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,871.03	210.45
		For Electronic Overloads, Add	*275.01*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,167.43	329.39
		For Electronic Overloads, Add	*285.84*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,893.74	384.29
		For Electronic Overloads, Add	*404.94*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,053.11	475.78
		For Electronic Overloads, Add	*589.00*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,329.02	759.42
		For Electronic Overloads, Add	*1,292.78*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	17,687.40	951.57
		For Electronic Overloads, Add	*2,998.43*	

26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	186.85
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	438.86
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	302.88

26 29 13 13-0420 NEMA 4 With Disconnect Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,696.05	274.49
		For Electronic Overloads, Add	*404.94*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,950.73	384.29
		For Electronic Overloads, Add	*415.77*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,266.33	420.88
		For Electronic Overloads, Add	*649.64*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,840.56	512.38
		For Electronic Overloads, Add	*1,106.55*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,847.79	759.42
		For Electronic Overloads, Add	*1,771.34*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	23,990.00	951.57
		For Electronic Overloads, Add	*4,195.93*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,106.35	274.49
		For Electronic Overloads, Add	*482.90*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,361.02	384.29
		For Electronic Overloads, Add	*493.72*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,665.23	420.88
		For Electronic Overloads, Add	*725.43*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,057.11	512.38
		For Electronic Overloads, Add	*1,147.69*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,090.07	759.42
		For Electronic Overloads, Add	*2,007.37*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,702.13	951.57
		For Electronic Overloads, Add	*3,951.23*	

26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	186.87
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	438.86
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	302.88

26 29 13 13-0438 NEMA 12 With Disconnect Switch *(26 29 13 13-0401)*

26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,512.59	211.82
		For Electronic Overloads, Add	*206.91*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,811.84	331.49
		For Electronic Overloads, Add	*218.28*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,581.46	381.26
		For Electronic Overloads, Add	*345.61*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,980.73	476.52
		For Electronic Overloads, Add	*575.25*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,364.82	762.54
		For Electronic Overloads, Add	*1,109.58*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,017.99	953.03
		For Electronic Overloads, Add	*2,491.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,002.52	211.82
		For Electronic Overloads, Add	*299.99*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,304.09	331.49
		For Electronic Overloads, Add	*311.81*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,087.34	381.26
		For Electronic Overloads, Add	*441.72*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,334.70	476.52
		For Electronic Overloads, Add	*642.51*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,947.09	762.54
		For Electronic Overloads, Add	*1,410.21*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,120.92	953.03
		For Electronic Overloads, Add	*3,270.80*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	185.31	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	435.21	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	300.36	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,552.26	439.18
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,813.30	585.58
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,220.76	805.17
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,764.78	1,097.96
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,708.53	1,537.15
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,111.19	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,800.73	274.49
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,081.18	384.29
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,051.46	420.88
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,669.26	512.38
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,175.05	759.42
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,017.21	274.49
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,312.27	384.29
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,321.98	420.88
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,296.82	512.38
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,906.78	759.42
26 29 13 13-0480		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,926.61	282.45
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,215.50	381.26
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,275.98	423.63
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,041.30	508.35
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,954.26	762.54
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,165.15	282.45
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,470.12	381.26
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,574.05	423.63
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,630.93	508.35
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,760.52	762.54
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,302.72	585.58
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,612.86	731.97
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,642.55	951.57
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,595.48	1,244.35
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	19,399.44	1,683.53
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,437.04	164.69
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,739.96	164.69
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	653.54	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Auxiliary Contact, Normally Open	418.84	91.50
26 29 13 13-0506	EA	Auxiliary Contact, Normally Closed	418.84	91.50
26 29 13 13-0507	EA	Pilot Light Kit	442.64	91.50
26 29 23		**Variable-Frequency Motor Controllers** ***(26 29)***		
26 29 23 00-0001		208/230 Volt Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,724.81	188.37
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	1,939.85	188.37
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,261.77	188.37
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,473.03	188.37
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,608.83	188.37
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	2,685.19	188.37
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	2,994.30	283.10
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	3,644.00	283.10
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	4,417.28	376.62
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	5,110.49	376.62
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	6,358.20	471.37
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	7,941.29	471.37
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	9,709.81	553.46
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	10,910.71	661.72
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	12,458.04	707.50
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	14,632.91	661.72
26 29 23 00-0018		460/480 Volt Variable Frequency Drives *(26 29 23)* Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,354.02	165.37
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,524.58	188.37
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,676.15	283.10
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,962.35	283.11
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,749.55	376.62
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,385.19	376.64
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,505.61	471.38
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,288.93	471.37
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,560.74	553.46
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,952.78	661.72
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	10,415.86	707.50
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,802.21	753.29
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	14,131.36	798.84
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	16,787.46	843.72
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	19,323.29	942.68
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,040.04	1,033.55
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	33,564.13	1,124.93
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	39,523.60	1,318.29
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	45,910.82	1,493.30
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	53,764.10	1,687.44

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	58,014.31	1,895.96

26 30 Facility Electrical Power Generating And Storing Equipment
(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	1,247.50	86.93
		For >50, Deduct	*-107.37*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	1,305.70	86.93
		For >50, Deduct	*-113.19*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	1,224.67	86.93
		For >50, Deduct	*-105.08*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	985.43	86.93
		For >50, Deduct	*-81.16*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,115.34	86.93
		For >50, Deduct	*-94.15*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,135.92	86.93
		For >50, Deduct	*-96.21*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,071.61	86.93
		For >50, Deduct	*-89.78*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	506.90	86.93
		For >50, Deduct	*-33.31*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	616.23	86.93
		For >50, Deduct	*-44.24*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	659.96	86.93
		For >50, Deduct	*-48.61*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,917.57	91.50
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	3,834.57	91.50
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	4,045.25	91.50
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,517.92	91.50
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	7,128.75	91.50
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	8,279.62	91.50
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	6,794.20	182.99
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,575.73	182.99
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	273.75	45.75

26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,180.45	91.50
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	2,608.59	91.50
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	3,007.59	91.50
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	3,312.20	91.50
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	3,209.59	91.50

26 31 00 00-0032 PVPowered Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,684.82	91.50
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,805.95	91.50
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,095.64	91.50
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,673.35	114.37
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,477.55	137.25
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,514.42	137.25
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,759.86	137.25
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	56,317.28	731.97
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	56,391.35	731.97
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	60,992.00	731.97
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	56,568.13	731.97

26 31 00 00-0044 Solectria Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,897.64	182.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,897.64	182.99
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	9,155.30	182.99
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	9,155.30	182.99
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	27,866.75	548.98
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	26,578.41	548.98
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	30,443.42	548.98
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	29,727.68	548.98
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	32,304.35	548.98
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	30,872.87	548.98
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	34,101.83	731.97
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	32,527.20	731.97
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	35,390.17	731.97
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	33,529.24	731.97
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	379.20	22.88
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	412.32	22.88
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	655.72	22.88
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	233.25	34.31
26 31 00 00-0065	EA	20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	161.23	34.31
26 31 00 00-0066	EA	60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	418.47	34.31
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	304.44	91.50
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	297.77	91.50
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	469.67	137.25
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	472.00	137.25
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	688.37	137.25
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	619.26	91.50
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	732.93	91.50
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,422.42	182.99
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	3,153.10	182.99
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	557.74	91.50
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	189.52	34.31
26 31 00 00-0082	EA	40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	247.40	34.31
26 31 00 00-0083	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	285.99	34.31
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	222.96	34.31
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	737.11	45.75
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	166.27	13.73
26 31 00 00-0089	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	210.11	18.30
26 31 00 00-0090	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	226.88	18.30
26 31 00 00-0091	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	263.12	27.45
26 31 00 00-0092	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	297.83	27.45
26 31 00 00-0093	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	353.25	32.02
26 31 00 00-0094	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	404.98	36.59
26 31 00 00-0095	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	400.57	36.59
26 31 00 00-0096	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	723.17	43.46
26 31 00 00-0097	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	834.17	45.75
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1)	178.30	22.91
26 31 00 00-0100	EA	50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	241.32	22.91
26 31 00 00-0101	EA	74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	350.65	22.91
26 31 00 00-0102	EA	86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	399.52	22.91
26 31 00 00-0103	EA	98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	400.81	22.91
26 31 00 00-0104	EA	183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D)	766.09	22.91
26 31 00 00-0105	EA	225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D)	884.42	22.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	200.09	22.88
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	937.16	22.91
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	881.85	22.91
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,171.24	22.91
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	528.14	22.91
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,226.55	22.91
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	421.02	45.75
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	835.80	22.88
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	700.14	22.88
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	138.12	22.88
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	336.24	45.75
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	822.29	22.88
26 31 00 00-0120	EA	RS 485 Module (SMA)	195.45	22.88
26 31 00 00-0121	EA	RS 232 Module (SMA)	200.09	22.88
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	376.66	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	202.60	22.88
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	201.30	22.88
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	370.47	22.88
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	174.10	6.86
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	3,299.10	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	369.71	22.88
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	382.31	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	123.06	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	224.50	22.88
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	191.58	22.88
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	721.37	22.88
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	472.94	22.88
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	813.04	22.88
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	1,389.51	22.88
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	381.07	22.88
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	274.93	22.88
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	184.89	22.88
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	752.93	22.88
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	92.90	22.88
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	268.40	22.88
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	297.71	22.88
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	173.08	45.75
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	568.98	45.75
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	1,236.39	91.50
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	94.76	6.86
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	141.06	6.86
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.66	2.26
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	24.21	2.26
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	25.09	2.26
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	27.52	2.26
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	31.17	2.26
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.19	4.53
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	61.51	4.53
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	81.35	6.79
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	28.13	2.26
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	38.46	2.26
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	57.49	4.53
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	75.72	4.53
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	124.08	9.06
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	129.22	9.06
26 31 00 00-0164	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery Note: Tamper proof enclosure.	2,304.58	247.04
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.58	2.28
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	26.91	11.43
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	32.64	11.43
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	16.53	4.58
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	8.46	3.43
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	16.80	4.58
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	4.65	1.52

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	4.84	1.52
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	12.36	4.58
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	71.50	22.88
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	77.98	22.88
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	83.20	22.88
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	105.35	34.31
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	124.80	34.31
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	142.45	34.31
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	160.65	45.75
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	207.10	45.75
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	293.19	68.62
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	143.53	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	264.19	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	58.55	22.88
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	59.15	22.88
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	59.69	22.88
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	61.06	22.88
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	54.93	22.88
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	55.62	22.88
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	57.63	22.88
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	57.06	22.88
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	107.87	34.31
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	108.29	34.31
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	109.51	34.31
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	108.24	34.31
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	20.46	4.58
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	14.21	4.58
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	26.12	6.86
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	27.05	6.86
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	7.37	1.52
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	32.50	4.58
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.92	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 13-0001 Diesel Generator Sets *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0693 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	18,191.88	789.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	22,996.15	971.72
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	23,711.66	1,065.44
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	25,490.72	1,223.28
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	27,282.25	1,405.79
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	30,454.64	1,647.49
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,410.99*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,684.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,797.21*	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	35,567.13	1,913.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	36,866.56	2,268.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	40,652.17	2,500.82
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	47,104.56	2,791.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	50,382.78	3,058.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	56,470.96	3,230.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,173.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*17,861.55*	
26 32 13 13-0014	EA	250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	59,011.17	3,364.03
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0015	EA	275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	64,321.08	3,546.53
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0016	EA	300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	65,641.67	3,704.38
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0017	EA	350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	74,615.85	4,143.38
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0018	EA	400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	80,717.15	4,537.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0019	EA	450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	91,612.61	4,888.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0020	EA	500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	96,721.24	5,208.82
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*33,553.05*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*49,537.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*40,694.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*60,552.99*	
26 32 13 13-0021	EA	600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	140,975.57	5,736.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*68,542.72*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*110,055.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*80,619.60*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*128,212.74*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0022	EA	750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	161,388.36	6,308.79
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*68,542.72*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*110,055.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*80,619.60*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*128,212.74*	
26 32 13 13-0023	EA	800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	168,504.14	6,446.90
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*68,542.72*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*110,055.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*80,619.60*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*128,212.74*	
26 32 13 13-0024	EA	900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	205,392.07	6,950.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*68,542.72*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*110,055.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*80,619.60*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*128,212.74*	
26 32 13 13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	228,903.99	7,398.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*68,542.72*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*110,055.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*80,619.60*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*128,212.74*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0693 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	14,472.78	660.97
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,360.07*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,574.68*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	16,365.47	789.22
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,360.07*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,574.68*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	17,517.68	878.00
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,360.07*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,574.68*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	19,084.60	971.72
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*9,504.31*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	19,654.93	1,065.44
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*9,504.31*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	20,274.61	1,149.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*9,504.31*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	22,038.81	1,405.79
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*9,504.31*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	23,447.17	1,573.50
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*3,102.35*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,702.29*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*9,504.31*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	28,121.24	1,682.01
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,654.22*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	30,523.70	1,894.12
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,654.22*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	38,274.78	2,268.99
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,654.22*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	43,622.18	2,500.82
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,654.22*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,362.88*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*11,142.98*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*15,952.42*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	105,924.88	6,651.99
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*30,173.88*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*44,535.35*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*32,991.44*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*49,507.05*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	112,860.19	3,003.95
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*30,173.88*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*44,535.35*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*32,991.44*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*49,507.05*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	114,252.99	3,364.03
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*30,173.88*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*44,535.35*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*32,991.44*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*49,507.05*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	157,241.72	3,704.38
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*30,173.88*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*44,535.35*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*32,991.44*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*49,507.05*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	158,791.75	4,143.38
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*30,173.88*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*44,535.35*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*32,991.44*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*49,507.05*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	223,381.49	4,888.20
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	304,128.48	5,208.82
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	320,032.62	5,489.98
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	364,688.30	5,736.61
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	381,341.43	5,953.64
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	403,348.15	6,363.04
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*65,885.84*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*93,337.62*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*74,834.91*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*105,767.68*	

26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,551.63	422.51
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,470.80	469.46
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,147.17	513.32

26 32 13 26 AC To DC Electrical Conversion *(26 32 13)*

26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output *(26 32 13 26)*

26 32 13 26-0002	EA	3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,484.58	182.99
26 32 13 26-0003	EA	5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,661.98	182.99
26 32 13 26-0004	EA	7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,797.59	182.99
26 32 13 26-0005	EA	10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,866.12	182.99
26 32 13 26-0006	EA	15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,853.84	228.74
26 32 13 26-0007	EA	20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,662.83	228.74
26 32 13 26-0008	EA	25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,160.31	228.74
26 32 13 26-0009	EA	40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,602.61	301.94
26 32 13 26-0010	EA	50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,102.40	301.94

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 26-0011		60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output *(26 32 13 26)*		
26 32 13 26-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,336.96	182.99
26 32 13 26-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,540.20	182.99
26 32 13 26-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,612.13	182.99
26 32 13 26-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,848.73	182.99
26 32 13 26-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,032.84	228.74
26 32 13 26-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,023.15	228.74
26 32 13 26-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,383.48	228.74
26 32 13 26-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,549.14	301.94
26 32 13 26-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,365.10	301.94
26 32 29		**Rotary Converters** *(26 32)*		
26 32 29 00-0001		460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*		
26 32 29 00-0002	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	17,211.42	3,452.81
26 32 29 00-0003	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,213.84	3,452.81
26 32 29 00-0004	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,918.05	4,932.59
26 32 29 00-0005	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	25,422.12	4,932.59
26 32 29 00-0006	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,728.47	4,932.59
26 32 29 00-0007	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,923.72	7,398.89
26 32 29 00-0008	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	41,344.29	7,398.89
26 32 29 00-0009		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0010	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	59,094.37	9,865.18
26 32 29 00-0011	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	64,446.87	9,865.18
26 32 29 00-0012	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	77,458.69	12,824.74
26 32 29 00-0013	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	88,150.65	15,586.99
26 32 29 00-0014	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	104,157.98	15,586.99
26 32 29 00-0015	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	147,387.59	23,281.83
26 32 29 00-0016	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	153,000.62	23,281.83
26 32 29 00-0017	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	175,823.04	27,129.26
26 33		Battery Equipment *(26 30)*		
26 33 13		**Batteries** *(26 33)*		
26 33 13 00-0001		Standby Batteries *(26 33 13)*		
26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	671.88	22.91
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	724.93	22.91
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	219.77	22.91
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	200.64	22.91
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	337.05	22.91
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	389.91	22.91
26 33 43		**Battery Chargers** *(26 33)*		
26 33 43 00-0001		Solid State Chargers, Single Phase *(26 33 43)* Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,120.33	522.80
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,455.07	522.80
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,699.19	522.80
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,865.94	618.99
26 33 53		**Static Uninterruptible Power Supply** *(26 33)*		
26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	904.69	90.58
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,081.04	105.67
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,333.93	120.77
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,631.31	135.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,096.90	150.97
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	3,478.19	211.36
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	3,415.33	211.36
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	5,133.17	241.55
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	5,612.35	271.74
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	8,403.48	332.13
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	9,662.89	362.32
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,081.04	105.67
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,333.93	120.77
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,649.88	135.88
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,101.38	150.97
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	3,492.15	211.36
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	4,923.23	241.55
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	6,048.83	271.74
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	9,362.78	362.32
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	606.53	27.45
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	795.37	27.45
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	774.35	27.45
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	525.18	27.45
26 33 53 00-0031	EA	Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	766.56	90.58
26 33 53 00-0032	EA	Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	858.05	120.77

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*		
26 33 53 00-0035	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	538.76	45.75
26 33 53 00-0036	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	870.09	45.75
26 33 53 00-0037	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	1,660.22	91.50
26 33 53 00-0038	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	5,149.74	365.98
26 33 53 00-0039	EA	12 Volt, 491 Watts, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	354.88	45.75
26 33 53 00-0040	EA	12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	196.33	45.75
26 33 53 00-0041	EA	12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	219.47	45.75
26 33 53 00-0042	EA	12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	242.60	45.75
26 33 53 00-0043	EA	12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	284.25	45.75
26 33 53 00-0044	EA	12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	298.13	45.75
26 33 53 00-0045	EA	12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	369.85	45.75
26 33 53 00-0046	EA	12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	387.20	45.75
26 33 53 00-0047		Other Uninterruptable Power Supply Equipment *(26 33 53)*		
26 33 53 00-0048	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	3,461.51	83.64
26 33 53 00-0049	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	4,196.77	167.30
26 33 53 00-0050	EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel	20.25	5.02
26 33 53 00-0051	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel	35.27	6.27
26 33 53 00-0052	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel	63.67	6.27
26 33 53 00-0053	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel	92.84	8.37
26 33 53 00-0054	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel	130.32	8.37
26 33 53 00-0055	EA	Uninterrupted Power Supply Remote Status Panel	2,382.37	83.64
26 33 53 00-0056	EA	Uninterrupted Power Supply Remote Contact Board	807.02	62.74
26 35		Power Filters And Conditioners *(26 30)*		
26 35 33		**Power Factor Correction Equipment** *(26 35)*		
26 35 33 00-0001		Power Factor Correction Capacitors *(26 35 33)*		
26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	568.98	
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	630.16	
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	691.34	
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	750.08	
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	921.38	
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,125.73	
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,738.76	
26 35 33 00-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	2,111.96	
26 35 33 00-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	2,728.67	
26 35 33 00-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	3,103.09	
26 35 33 00-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	5,445.10	
26 35 33 00-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	8,187.23	
26 35 33 00-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	10,917.12	
26 35 33 00-0015	EA	Power Factor Correction Capacitors, Fuse Kit	506.58	
26 35 43		**Static-Frequency Converters** *(26 35)*		
26 35 43 00-0001		Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*		
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	439.27	91.50
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	748.34	109.79
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	860.32	146.40
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,175.89	182.99
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,612.38	237.89
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,076.09	292.79
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,594.25	347.68
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,148.55	393.44
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,667.15	475.78
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,194.46	535.26
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,721.76	594.73
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,853.58	718.25
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,575.64	864.64
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	9,584.21	1,052.21
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,975.56	1,230.62
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	14,036.05	1,372.45
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	21,208.06	1,555.44
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	31,374.69	1,738.43

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 53			**Voltage Regulators** *(26 35)*		
26 35 53 00-0001			Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*		
			Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002		EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,759.24	1,454.80
26 35 53 00-0003		EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,516.29	1,829.93
26 35 53 00-0004		EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,213.41	2,177.61
26 36	Transfer Switches *(26 30)*				
26 36 13			**Manual Transfer Switches** *(26 36)*		
26 36 13 00-0001			Fused Manual Transfer Switches *(26 36 13)*		
26 36 13 00-0002		EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,196.88	160.11
26 36 13 00-0003		EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,388.14	198.91
26 36 23			**Automatic Transfer Switches** *(26 36)*		
26 36 23 00-0001			Automatic Transfer Switch *(26 36 23)*		
26 36 23 00-0002			Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
			Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003		EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,011.12	328.61
26 36 23 00-0004		EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,728.69	422.51
26 36 23 00-0005		EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,305.38	563.35
26 36 23 00-0006		EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	9,649.45	704.18
26 36 23 00-0007			Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
26 36 23 00-0008		EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,227.64	234.72
			For NEMA 3R Enclosure, Add	*676.16*	
			For NEMA 4 Enclosure, Add	*715.93*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0009		EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,729.19	281.67
			For NEMA 3R Enclosure, Add	*676.16*	
			For NEMA 4 Enclosure, Add	*715.93*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0010		EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	4,104.59	328.61
			For NEMA 3R Enclosure, Add	*676.16*	
			For NEMA 4 Enclosure, Add	*715.93*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0011		EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,878.91	375.56
			For NEMA 3R Enclosure, Add	*795.48*	
			For NEMA 4 Enclosure, Add	*1,034.12*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0012		EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	5,569.36	422.51
			For NEMA 3R Enclosure, Add	*795.48*	
			For NEMA 4 Enclosure, Add	*1,034.12*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0013		EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	6,146.77	469.46
			For NEMA 3R Enclosure, Add	*795.48*	
			For NEMA 4 Enclosure, Add	*1,034.12*	
			For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0014		EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	6,429.54	516.40
			For NEMA 3R Enclosure, Add	*938.66*	
			For NEMA 4 Enclosure, Add	*1,113.67*	
			For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0015		EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	7,265.84	563.35
			For NEMA 3R Enclosure, Add	*938.66*	
			For NEMA 4 Enclosure, Add	*1,113.67*	
			For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0016		EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	9,939.59	704.18
			For NEMA 3R Enclosure, Add	*938.66*	
			For NEMA 4 Enclosure, Add	*1,113.67*	
			For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0017		EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	11,161.31	845.02
			For NEMA 3R Enclosure, Add	*1,153.44*	
			For NEMA 4 Enclosure, Add	*1,272.77*	
			For NEMA 12 Enclosure, Add	*1,113.67*	
26 36 23 00-0018		EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	14,448.56	1,126.68
			For NEMA 3R Enclosure, Add	*1,153.44*	
			For NEMA 4 Enclosure, Add	*1,272.77*	
			For NEMA 12 Enclosure, Add	*1,113.67*	
26 36 23 00-0019		EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	18,714.44	1,220.58
			For NEMA 3R Enclosure, Add	*2,545.52*	
			For NEMA 4 Enclosure, Add	*1,431.86*	
			For NEMA 12 Enclosure, Add	*1,193.22*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0020	EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	19,968.81	1,408.36
	For NEMA 3R Enclosure, Add	*4,136.47*	
	For NEMA 4 Enclosure, Add	*5,091.03*	
	For NEMA 12 Enclosure, Add	*4,136.47*	
26 36 23 00-0021	EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	22,829.65	1,596.14
	For NEMA 3R Enclosure, Add	*4,136.47*	
	For NEMA 4 Enclosure, Add	*5,091.03*	
	For NEMA 12 Enclosure, Add	*4,136.47*	
26 36 23 00-0022	EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	27,579.26	1,971.70
	For NEMA 3R Enclosure, Add	*4,136.47*	
26 36 23 00-0023	EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	47,702.49	2,347.27
	For NEMA 3R Enclosure, Add	*19,441.37*	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0025	EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	16,210.68	1,783.92
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*755.71*	
26 36 23 00-0026	EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	16,925.15	1,877.81
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*755.71*	
26 36 23 00-0027	EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	17,743.08	1,971.70
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*755.71*	
26 36 23 00-0028	EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	19,768.69	2,018.66
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*755.71*	
26 36 23 00-0029	EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	22,765.97	2,065.60
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*755.71*	
26 36 23 00-0030	EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	27,274.60	2,159.49
	For NEMA 3R Enclosure, Add	*1,392.09*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0031	EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	30,043.70	2,253.38
	For NEMA 3R Enclosure, Add	*1,431.86*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*875.03*	
26 36 23 00-0032	EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	37,711.79	2,628.94
	For NEMA 3R Enclosure, Add	*1,431.86*	
	For NEMA 4 Enclosure, Add	*1,431.86*	
	For NEMA 12 Enclosure, Add	*875.03*	
26 36 23 00-0033	EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	49,080.52	2,816.73
	For NEMA 3R Enclosure, Add	*6,363.79*	
	For NEMA 4 Enclosure, Add	*7,954.73*	
	For NEMA 12 Enclosure, Add	*6,363.79*	
26 36 23 00-0034	EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	63,963.76	3,004.51
	For NEMA 3R Enclosure, Add	*13,523.04*	
	For NEMA 4 Enclosure, Add	*13,523.04*	
	For NEMA 12 Enclosure, Add	*12,600.30*	
26 36 23 00-0035	EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	72,615.63	3,286.18
	For NEMA 3R Enclosure, Add	*13,523.04*	
	For NEMA 4 Enclosure, Add	*13,523.04*	
	For NEMA 12 Enclosure, Add	*12,600.30*	
26 36 23 00-0036	EA 3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	115,983.46	3,755.63
	For NEMA 3R Enclosure, Add	*16,704.93*	
26 36 23 00-0037	EA 4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	125,209.34	4,225.08
	For NEMA 3R Enclosure, Add	*16,704.93*	

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0039	EA 40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	5,234.64	234.72
	For NEMA 3R Enclosure, Add	*397.74*	
	For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0040	EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	5,666.92	281.67
	For NEMA 3R Enclosure, Add	*397.74*	
	For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0041	EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	6,098.47	328.61
	For NEMA 3R Enclosure, Add	*397.74*	
	For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0042	EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	7,319.84	375.56
	For Four Pole Circuit Breaker, Add	*1,988.68*	
	For NEMA 3R Enclosure, Add	*397.74*	
	For NEMA 12 Enclosure, Add	*715.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0043	EA	225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	9,517.00	422.51
		For Four Pole Circuit Breaker, Add	*1,988.68*	
		For NEMA 3R Enclosure, Add	*397.74*	
		For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0044	EA	250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	10,136.71	469.46
		For Four Pole Circuit Breaker, Add	*1,988.68*	
		For NEMA 3R Enclosure, Add	*397.74*	
		For NEMA 12 Enclosure, Add	*715.93*	
26 36 23 00-0045	EA	300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	10,547.84	516.40
		For Four Pole Circuit Breaker, Add	*2,704.61*	
		For NEMA 3R Enclosure, Add	*1,034.12*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0046	EA	400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	11,931.83	563.35
		For Four Pole Circuit Breaker, Add	*2,704.61*	
		For NEMA 3R Enclosure, Add	*1,034.12*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0047	EA	600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	14,482.34	704.18
		For Four Pole Circuit Breaker, Add	*2,704.61*	
		For NEMA 3R Enclosure, Add	*1,034.12*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 23 00-0048	EA	800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	15,111.14	845.02
		For Four Pole Circuit Breaker, Add	*3,858.05*	
		For NEMA 3R Enclosure, Add	*1,781.87*	
		For NEMA 12 Enclosure, Add	*1,113.67*	
26 36 23 00-0049	EA	1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	17,861.63	1,126.68
		For Four Pole Circuit Breaker, Add	*3,858.05*	
		For NEMA 3R Enclosure, Add	*1,781.87*	
		For NEMA 12 Enclosure, Add	*1,113.67*	

26 36 23 00-0050 Accessories *(26 36 23)*

26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	184.55
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	1,511.41
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	548.88

26 36 33 Non-Automatic Transfer Switches *(26 36)*

26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 33)*

26 36 33 00-0002	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	2,187.67	234.72
		For NEMA 3R Enclosure, Add	*676.16*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0003	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	2,430.34	281.67
		For NEMA 3R Enclosure, Add	*676.16*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0004	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	2,761.24	328.61
		For NEMA 3R Enclosure, Add	*676.16*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0005	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	2,594.55	375.56
		For NEMA 3R Enclosure, Add	*795.48*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0006	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	4,218.71	422.51
		For NEMA 3R Enclosure, Add	*795.48*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0007	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	4,741.42	469.46
		For NEMA 3R Enclosure, Add	*795.48*	
		For NEMA 12 Enclosure, Add	*636.38*	
26 36 33 00-0008	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	5,272.16	516.40
		For NEMA 3R Enclosure, Add	*938.66*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 33 00-0009	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	6,177.01	563.35
		For NEMA 3R Enclosure, Add	*938.66*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 33 00-0010	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	8,157.21	704.18
		For NEMA 3R Enclosure, Add	*938.66*	
		For NEMA 12 Enclosure, Add	*795.48*	
26 36 33 00-0011	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	9,192.96	845.02
		For NEMA 3R Enclosure, Add	*1,153.44*	
		For NEMA 12 Enclosure, Add	*1,113.67*	
26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	12,147.66	1,126.68
		For NEMA 3R Enclosure, Add	*1,153.44*	
		For NEMA 12 Enclosure, Add	*1,113.67*	

26 40 Electrical And Cathodic Protection *(26)*

26 41 Facility Lightning Protection *(26 40)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13		**Lightning Protection For Structures** *(26 41)*		
26 41 13 00-0001		Lightning Protection *(26 41 13)*		
26 41 13 00-0002		Air Terminals For Lightning Protection *(26 41 13 00-0001)*		
26 41 13 00-0003		Copper Lightning Protection Air Terminals *(26 41 13 00-0002)*		
26 41 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	60.62	9.15
26 41 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	75.08	9.15
26 41 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	98.51	9.15
26 41 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	109.44	9.15
26 41 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	214.03	18.30
26 41 13 00-0009		Aluminum Lightning Protection Air Terminals *(26 41 13 00-0002)*		
26 41 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	46.50	9.15
26 41 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	59.49	9.15
26 41 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	74.85	9.15
26 41 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	83.32	9.15
26 41 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	160.24	18.30
26 41 13 00-0015		Terminal Bases For Lightning Protection *(26 41 13 00-0001)*		
26 41 13 00-0016		Copper Lightning Protection Terminal Bases *(26 41 13 00-0015)*		
26 41 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	76.46	27.45
26 41 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	98.33	36.59
26 41 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	134.14	45.75
26 41 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	98.33	36.59
26 41 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	105.94	36.59
26 41 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	186.38	73.20
26 41 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	132.14	45.75
26 41 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	76.46	27.45
26 41 13 00-0025		Aluminum Lightning Protection Terminal Bases *(26 41 13 00-0015)*		
26 41 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	66.17	27.45
26 41 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	92.59	36.59
26 41 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	123.16	45.75
26 41 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	92.84	36.59
26 41 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	96.42	36.59
26 41 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	175.93	73.20
26 41 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	123.81	45.75
26 41 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	66.17	27.45
26 41 13 00-0034		Connectors *(26 41 13 00-0001)*		
26 41 13 00-0035		Copper Cable Connectors *(26 41 13 00-0034)*		
26 41 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	154.28	45.75
26 41 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	206.94	73.20
26 41 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	135.52	45.75
26 41 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	33.33	9.15
26 41 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	34.63	9.15
26 41 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	104.50	27.45
26 41 13 00-0042		Aluminum Cable Connectors *(26 41 13 00-0034)*		
26 41 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	134.14	45.75
26 41 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	190.62	73.20
26 41 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	126.48	45.75
26 41 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	29.34	9.15
26 41 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	86.94	27.45
26 41 13 00-0048		Bonding Plates *(26 41 13 00-0001)*		
26 41 13 00-0049		Copper Bonding Plates *(26 41 13 00-0048)*		
26 41 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	117.39	45.75
26 41 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	122.04	45.75
26 41 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	178.94	73.20
26 41 13 00-0053		Aluminum Bonding Plates *(26 41 13 00-0048)*		
26 41 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	109.87	45.75
26 41 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	113.96	45.75
26 41 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	165.46	73.20
26 41 13 00-0057		Cable Supports *(26 41 13 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0058		Copper Cable Supports *(26 41 13 00-0057)*		
26 41 13 00-0059	EA	Cable Supports For Copper Lightning Protection System	20.13	9.15
26 41 13 00-0060	EA	Adhesive Cable Supports For Copper Lightning Protection System	21.60	9.15
26 41 13 00-0061		Aluminum Cable Supports *(26 41 13 00-0057)*		
26 41 13 00-0062	EA	Cable Supports For Aluminum Lightning Protection System	19.89	9.15
26 41 13 00-0063	EA	Adhesive Cable Supports For Aluminum Lightning Protection System	20.65	9.15
26 41 13 00-0064		Bonding Straps *(26 41 13 00-0001)*		
26 41 13 00-0065		Copper Bonding Straps *(26 41 13 00-0064)*		
26 41 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	62.48	27.45
26 41 13 00-0067		Aluminum Bonding Straps *(26 41 13 00-0064)*		
26 41 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	57.49	27.45
26 41 13 00-0069		Accessories For Lightning Protection *(26 41 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070		Copper Adapters *(26 41 13 00-0069)*		
26 41 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	26.28	4.58
26 41 13 00-0072		Aluminum Adapters *(26 41 13 00-0069)*		
26 41 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	23.63	4.58
26 41 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	156.22	45.75
26 41 23		**Lightning Protection Surge Arresters And Suppressors *(26 41)***		
26 41 23 00-0001		Surge And Lightning Arrestors *(26 41 23)*		
26 41 23 00-0002		Metal Top Intermediate Type IMX *(26 41 23 00-0001)*		
		Note: For outdoor construction, single phase.		
26 41 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,028.69	203.03
26 41 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,125.54	203.03
26 41 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,125.54	203.03
26 41 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,305.42	203.03
26 41 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,305.42	203.03
26 41 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,454.85	203.03
26 41 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,454.85	203.03
26 41 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,999.12	253.79
26 41 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,076.60	253.79
26 41 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,266.32	304.54
26 41 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,465.56	304.54
26 41 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,966.44	304.54
26 41 23 00-0015		Porcelain Top Intermediate Type IMX *(26 41 23 00-0001)*		
		Note: For cubicle mounting, single phase.		
26 41 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,028.69	203.03
26 41 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,125.54	203.03
26 41 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,125.54	203.03
26 41 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,305.42	203.03
26 41 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,305.42	203.03
26 41 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,454.85	203.03
26 41 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,454.85	203.03
26 41 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,999.12	253.79
26 41 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,076.60	253.79
26 41 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,266.32	304.54
26 41 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,465.56	304.54
26 41 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,966.44	304.54
26 41 23 00-0028		IMX Accessories *(26 41 23 00-0001)*		
26 41 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	829.45	203.03
26 41 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	818.38	203.03
26 41 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	735.47	203.03
26 41 23 00-0032		Lightning Arrestor And Cutouts *(26 41 23 00-0001)*		
26 41 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	519.52	203.03
26 41 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,102.41	203.03
26 41 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,028.69	203.03
26 41 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	580.40	203.03
26 41 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,263.80	203.03

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,305.42	203.03
26 41 23 00-0039	EA	5 KV Enclosed Fused Cutout	675.04	203.03
26 41 23 00-0040	EA	15 KV Open Fused Cutout	709.58	253.79
26 41 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	548.37	203.03
26 41 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,350.06	203.03

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	213.36	22.88
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	230.37	22.88
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	239.52	27.45
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	199.35	18.30
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	239.52	27.45

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	297.17	22.88
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	316.04	27.45
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	306.89	22.88
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	316.04	27.45

26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	360.33	22.88
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	379.20	27.45
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	336.60	18.30
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	379.20	27.45

26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	425.92	22.88
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	480.01	27.45
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	403.40	18.30

26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	753.30	27.45
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	744.15	22.88
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	753.30	27.45

26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert Interceptor Hybrid.

26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,377.00	45.75
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	5,348.68	45.75

26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression *(26 43 13)*

Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.

26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D. EMA series.

26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,521.75	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,883.38	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,679.97	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,560.99	182.99
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,191.25	251.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,675.61	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,052.39	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,941.08	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,900.11	182.99
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,714.55	251.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,675.61	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,052.39	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,941.03	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,900.11	182.99
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,714.55	251.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,829.47	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,223.58	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,204.35	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,241.45	182.99
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,239.97	251.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,008.23	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,401.30	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,479.54	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,598.98	182.99
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,046.55	251.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,741.71	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,313.54	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,863.08	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,829.46	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,443.55	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,033.17	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,829.46	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,443.55	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,033.17	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0065		EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,941.06	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0066		EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,583.32	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0067		EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,250.94	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0068		EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,058.08	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0069		EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,731.74	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0070		EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,479.54	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072		EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,545.59	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0073		EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,907.22	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0074		EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,703.80	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0075		EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,699.44	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0076		EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,076.23	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0077		EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,964.92	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0078		EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,699.44	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0079		EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,076.23	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0080		EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,964.87	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0081		EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,853.30	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0082		EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,247.41	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0083		EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,228.18	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0084		EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,032.07	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0085		EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,425.14	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0086		EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,503.38	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088		EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,765.54	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0089		EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,337.38	137.25
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0090		EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,886.91	160.11
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0091		EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,853.30	118.94
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,467.39	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,057.01	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,853.30	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,467.39	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,057.01	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,964.90	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,607.15	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,274.77	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,081.91	118.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,755.58	137.25
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,503.37	160.11
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 50 Lighting *(26)*

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts *(26 51)*

26 51 13 00-0001 Interior Lighting Accessories *(26 51 13)*

26 51 13 00-0002	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.01	

26 51 13 00-0003 Lighting Accessories *(26 51 13)*

26 51 13 00-0004 Modular Flexible Wiring Systems *(26 51 13 00-0003)*

26 51 13 00-0005	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	61.28	4.94
26 51 13 00-0006	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	70.61	4.94
26 51 13 00-0007	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	84.73	4.94
26 51 13 00-0008	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	70.61	4.94
26 51 13 00-0009	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	63.07	4.94
26 51 13 00-0010	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	91.51	4.94
26 51 13 00-0011	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	51.32	4.94
26 51 13 00-0012	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	57.61	4.94
26 51 13 00-0013	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	72.40	4.94
26 51 13 00-0014	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	72.40	4.94
26 51 13 00-0015	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	73.58	4.94
26 51 13 00-0016	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	73.14	4.94
26 51 13 00-0017	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	73.14	4.94
26 51 13 00-0018	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	83.73	4.94
26 51 13 00-0019	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	39.69	4.94
26 51 13 00-0020	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	37.22	4.94
26 51 13 00-0021	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	38.08	4.94
26 51 13 00-0022	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	47.24	4.94
26 51 13 00-0023	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	61.28	4.94
26 51 13 00-0024	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	62.78	4.94
26 51 13 00-0025	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	49.52	4.94
26 51 13 00-0026	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	37.22	4.94
26 51 13 00-0027	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	41.17	

26 51 13 00-0028 Fluorescent Fixtures *(26 51 13)*

26 51 13 00-0029 Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 13 00-0028)*

26 51 13 00-0030 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 13 00-0029)*

26 51 13 00-0031	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	98.84	26.18

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0032	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	109.73	26.18
26 51 13 00-0033		**6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0029)*		
26 51 13 00-0034	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	106.64	27.27
26 51 13 00-0035	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	114.94	27.27
26 51 13 00-0036		**1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0029)*		
26 51 13 00-0037	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	123.82	30.61
26 51 13 00-0038	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	141.71	30.61
26 51 13 00-0039	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	161.69	30.61
26 51 13 00-0040		**2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0029)*		
26 51 13 00-0041	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	112.00	33.46
26 51 13 00-0042	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	126.87	33.46
26 51 13 00-0043		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0029)*		
26 51 13 00-0044	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	159.90	38.98
26 51 13 00-0045	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	167.92	38.98
26 51 13 00-0046	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	185.79	38.98
26 51 13 00-0047		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0028)* Note: Includes prismatic lens.		
26 51 13 00-0048		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0047)*		
26 51 13 00-0049	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	123.19	30.36
26 51 13 00-0050	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	189.59	30.36
26 51 13 00-0051	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	212.05	30.36
26 51 13 00-0052		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0047)*		
26 51 13 00-0053	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	194.35	33.46
26 51 13 00-0054	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	211.02	33.46
26 51 13 00-0055	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	223.24	33.46
26 51 13 00-0056		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0047)*		
26 51 13 00-0057	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	193.05	38.98
26 51 13 00-0058	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	207.21	38.98
26 51 13 00-0059	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	213.73	38.98
26 51 13 00-0060	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	222.27	38.98
26 51 13 00-0061		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0047)*		
26 51 13 00-0062	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	366.67	50.19
26 51 13 00-0063	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	366.67	50.19
26 51 13 00-0064	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	75.36	50.19
26 51 13 00-0065		**Recessed Fluorescent Fixtures** *(26 51 13 00-0028)*		
26 51 13 00-0066		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0065)*		
26 51 13 00-0067		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0066)*		
26 51 13 00-0068	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	129.52	26.18
		For Drywall Or Plaster Ceilings, Add	*17.69*	
26 51 13 00-0069		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0066)*		
26 51 13 00-0070	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	158.44	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0071	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	285.02	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0072		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0066)*		
26 51 13 00-0073	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	169.38	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0074	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	190.90	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0075	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	194.05	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0076	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	208.66	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0077		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 13 00-0066)*		
26 51 13 00-0078	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	162.15	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0079	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	213.25	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0080	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	213.25	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0081	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	230.93	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0082	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	220.78	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0083	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	291.77	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0084	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	300.50	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0085		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0065)*		
26 51 13 00-0086		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0085)*		
26 51 13 00-0087	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	146.04	26.18
		For Drywall Or Plaster Ceilings, Add	*17.69*	
26 51 13 00-0088	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	149.18	26.18
		For Drywall Or Plaster Ceilings, Add	*17.69*	
26 51 13 00-0089	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	171.97	26.18
		For Drywall Or Plaster Ceilings, Add	*17.69*	
26 51 13 00-0090		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0085)*		
26 51 13 00-0091	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	162.93	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0092	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	162.93	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0093	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	179.08	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0094		2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0085)*		
26 51 13 00-0095	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	173.66	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0096	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	176.79	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0097	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	199.26	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0098		2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0085)*		
26 51 13 00-0099	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	162.15	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0100	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	182.86	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0101	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	202.44	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0102	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	222.09	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0103		Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0065)*		
26 51 13 00-0104		1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0103)*		
26 51 13 00-0105	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	286.18	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0106	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	286.18	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0107	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	341.38	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0108	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	350.11	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0109		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0103)*		
26 51 13 00-0110	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	238.66	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0111	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	264.13	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0112	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	321.41	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0113		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0103)*		
26 51 13 00-0114	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	261.39	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0115	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	314.45	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0116	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	342.83	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0117	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	376.95	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0118		Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0065)*		
26 51 13 00-0119		1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0118)*		
26 51 13 00-0120	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	230.50	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0121	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	297.26	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0122		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0118)*		
26 51 13 00-0123	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	232.01	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0124	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	261.87	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0125		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0118)*		
26 51 13 00-0126	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	258.83	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0127	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	259.33	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0128		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0065)*		
26 51 13 00-0129		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0128)*		
26 51 13 00-0130	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	212.02	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0131		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0128)*		
26 51 13 00-0132	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	213.07	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0133		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0128)*		
26 51 13 00-0134	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	248.77	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0135	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	338.50	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0136	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	277.18	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0137		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0065)*		
26 51 13 00-0138		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0137)*		
26 51 13 00-0139	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	202.95	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0140		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0137)*		
26 51 13 00-0141	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	212.85	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0142		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0137)*		
26 51 13 00-0143	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	253.86	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0144	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	255.62	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0145	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	259.38	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0146		Striplight Fluorescent Fixtures *(26 51 13 00-0028)*		
26 51 13 00-0147		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0146)*		
26 51 13 00-0148	EA	1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture	99.68	25.10
26 51 13 00-0149	EA	1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture	117.84	25.10
26 51 13 00-0150	EA	1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture	118.69	27.85
26 51 13 00-0151	EA	1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture	119.14	30.61
26 51 13 00-0152	EA	1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture	142.41	36.26
26 51 13 00-0153		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0146)*		
26 51 13 00-0154	EA	2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	121.24	27.85
26 51 13 00-0155	EA	2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	126.61	30.61
26 51 13 00-0156	EA	2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	123.32	33.46
26 51 13 00-0157		3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0146)*		
26 51 13 00-0158	EA	3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	166.62	27.85
26 51 13 00-0159	EA	3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	164.73	30.61
26 51 13 00-0160	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	157.72	33.46
26 51 13 00-0161		Display Case Fluorescent Fixtures *(26 51 13 00-0146)*		
26 51 13 00-0162	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	78.36	27.45
26 51 13 00-0163	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	96.07	27.45
26 51 13 00-0164	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	104.41	32.02
26 51 13 00-0165	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	103.09	32.02
26 51 13 00-0166		Industrial Fluorescent Fixtures *(26 51 13 00-0028)*		
26 51 13 00-0167		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0166)*		
26 51 13 00-0168	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture	134.54	25.10
26 51 13 00-0169	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture	141.69	30.61
26 51 13 00-0170	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture	244.69	38.98
26 51 13 00-0171		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0166)*		
26 51 13 00-0172	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	141.87	27.85
26 51 13 00-0173	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	145.88	33.46
26 51 13 00-0174	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	244.69	38.98
26 51 13 00-0175		3 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0166)*		
26 51 13 00-0176	EA	3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	147.95	27.85
26 51 13 00-0177	EA	3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	148.09	33.46
26 51 13 00-0178	EA	3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	211.28	38.98
26 51 13 00-0179		4 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0166)*		
26 51 13 00-0180	EA	4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	193.19	33.46
26 51 13 00-0181	EA	4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	270.24	38.98
26 51 13 00-0182		Flanged Fluorescent Fixture *(26 51 13 00-0028)* Note: For plaster or drywall application. With electronic ballast.		
26 51 13 00-0183	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	200.50	50.19
26 51 13 00-0184	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	229.98	50.19
26 51 13 00-0185	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	229.98	50.19
26 51 13 00-0186		Undercabinet Fluorescent Fixtures *(26 51 13 00-0028)*		
26 51 13 00-0187	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	78.52	22.58
26 51 13 00-0188	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	92.55	27.60
26 51 13 00-0189	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	91.43	27.60
26 51 13 00-0190	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	107.69	30.11
26 51 13 00-0191	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	125.31	35.13
26 51 13 00-0192		Corner Mounted, Fluorescent Fixtures *(26 51 13 00-0028)* Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0193		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 13 00-0192)*		
26 51 13 00-0194	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	126.64	25.10
26 51 13 00-0195	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	140.07	25.10
26 51 13 00-0196		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 13 00-0192)*		
26 51 13 00-0197	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	143.06	26.35

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0198	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	156.04	26.35
26 51 13 00-0199		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 13 00-0192)*		
26 51 13 00-0200	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	138.26	27.60
26 51 13 00-0201	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	147.99	27.60
26 51 13 00-0202		**Wall Bracket, Fluorescent Fixtures** *(26 51 13 00-0028)*		
26 51 13 00-0203		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0202)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0204		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0203)*		
26 51 13 00-0205	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	236.61	42.09
26 51 13 00-0206	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	239.28	42.09
26 51 13 00-0207		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0203)*		
26 51 13 00-0208	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	326.74	42.09
26 51 13 00-0209	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	330.47	42.09
26 51 13 00-0210		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0203)*		
26 51 13 00-0211	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	342.19	42.09
26 51 13 00-0212	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	344.86	42.09
26 51 13 00-0213		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0202)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0214		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0213)*		
26 51 13 00-0215	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	381.40	42.09
26 51 13 00-0216	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	384.07	42.09
26 51 13 00-0217		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0213)*		
26 51 13 00-0218	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	301.06	42.09
26 51 13 00-0219	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	304.80	42.09
26 51 13 00-0220		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0213)*		
26 51 13 00-0221	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	346.59	42.09
26 51 13 00-0222	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	349.26	42.09
26 51 13 00-0223		**Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 13 00-0202)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0224		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 13 00-0223)*		
26 51 13 00-0225	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	223.49	42.09
26 51 13 00-0226	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	226.16	42.09
26 51 13 00-0227		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 13 00-0223)*		
26 51 13 00-0228	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	224.55	42.09
26 51 13 00-0229	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	228.28	42.09
26 51 13 00-0230		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 13 00-0223)*		
26 51 13 00-0231	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	213.43	42.09
26 51 13 00-0232	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	216.11	42.09
26 51 13 00-0233		**Low Occupancy, Industrial Fluorescent Fixtures** *(26 51 13 00-0028)*		
26 51 13 00-0234	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	319.30	30.61
26 51 13 00-0235	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	323.48	33.46
26 51 13 00-0236		**Accessories And Modifiers For Fluorescent Fixtures** *(26 51 13 00-0028)*		
26 51 13 00-0237		**Lens Modifications** *(26 51 13 00-0236)*		
26 51 13 00-0238	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	20.65	
26 51 13 00-0239	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	25.51	
26 51 13 00-0240	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	26.72	
26 51 13 00-0241	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	29.15	
26 51 13 00-0242	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	35.22	
26 51 13 00-0243	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	8.50	
26 51 13 00-0244	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	12.15	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0245	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	13.36	
26 51 13 00-0246	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.79	
26 51 13 00-0247		**Pendant Mounting Modifications** *(26 51 13 00-0236)*		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0248	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	9.23	
26 51 13 00-0249	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	10.69	
26 51 13 00-0250	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	13.68	
26 51 13 00-0251	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	16.15	
26 51 13 00-0252	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	20.41	
26 51 13 00-0253	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	27.69	
26 51 13 00-0254		**Fluorescent Light Accessories** *(26 51 13 00-0236)*		
26 51 13 00-0255	EA	Blank Metal Light Box Plate	13.11	
26 51 13 00-0256	EA	Factory Installed Fixture Mounted Occupancy Sensor	93.51	
26 51 13 00-0257		**Wire Guards** *(26 51 13 00-0236)*		
26 51 13 00-0258	EA	Wire Guard for 6" x 2' Fixture	41.63	4.59
26 51 13 00-0259	EA	Wire Guard for 6" x 4' Fixture	58.82	7.33
26 51 13 00-0260	EA	Wire Guard for 1" x 2' Fixture	46.45	5.04
26 51 13 00-0261	EA	Wire Guard for 1" x 4' Fixture	66.22	7.79
26 51 13 00-0262	EA	Wire Guard for 2" x 2' Fixture	56.46	5.50
26 51 13 00-0263	EA	Wire Guard for 2" x 4' Fixture	77.54	8.25
26 51 13 00-0264		**LED Fixtures** *(26 51 13)*		
26 51 13 00-0265		**Undercabinet LED Fixtures** *(26 51 13 00-0264)*		
26 51 13 00-0266	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	117.78	22.58
26 51 13 00-0267	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	150.05	27.60
26 51 13 00-0268	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	168.24	27.60
26 51 13 00-0269		**Striplight LED Fixtures** *(26 51 13 00-0264)*		
26 51 13 00-0270		**Striplight LED Fixtures** *(26 51 13 00-0269)*		
26 51 13 00-0271	EA	2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1)	234.58	25.10
26 51 13 00-0272	EA	4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1)	242.95	30.61
26 51 13 00-0273	EA	2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	247.16	25.10
26 51 13 00-0274	EA	4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	255.53	30.61
26 51 13 00-0275	EA	4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	329.93	30.61
26 51 13 00-0276		**Lay-In/Troffer LED Fixtures** *(26 51 13 00-0264)*		
26 51 13 00-0277		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0276)*		
26 51 13 00-0278		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 13 00-0277)*		
26 51 13 00-0279	EA	4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	439.27	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0280	EA	3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	348.30	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0281	EA	4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	422.27	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0282		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 13 00-0277)*		
26 51 13 00-0283	EA	3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	491.37	38.98
26 51 13 00-0284	EA	3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	340.22	33.46
26 51 13 00-0285	EA	4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	442.53	38.98
26 51 13 00-0286		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 13 00-0277)*		
26 51 13 00-0287	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	230.71	33.46
26 51 13 00-0288	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	254.01	33.46
26 51 13 00-0289	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	217.90	33.46
26 51 13 00-0290	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	217.90	33.46
26 51 13 00-0291	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	233.04	33.46
26 51 13 00-0292		**Volumetric, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0276)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0293		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 13 00-0292)*		
26 51 13 00-0294	EA	2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	351.03	30.36
		For Drywall Or Plaster Ceilings, Add	*20.70*	
26 51 13 00-0295	EA	2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	306.94	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0296	EA	3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	313.10	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0297	EA	4,000 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	321.47	38.98
26 51 13 00-0298	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	342.53	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0299	EA	4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	363.58	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0300	EA	2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	329.25	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0301	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	329.25	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0302		Architectural, Lay-In/Troffer LED Fixtures *(26 51 13 00-0276)*		
26 51 13 00-0303		Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 13 00-0302)* Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0304	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	395.24	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0305	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	471.15	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0306	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	539.48	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0307		Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 13 00-0302)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0308	EA	2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	307.25	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*102.55*	
		For Surface Mount, Add	*166.82*	
26 51 13 00-0309	EA	3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	331.56	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*102.55*	
		For Surface Mount, Add	*166.82*	
26 51 13 00-0310	EA	4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	331.56	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*102.55*	
		For Surface Mount, Add	*166.82*	
26 51 13 00-0311	EA	5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	367.45	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*102.55*	
		For Surface Mount, Add	*166.82*	
26 51 13 00-0312	EA	2,000 Lumens, 2' x 2', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	285.13	33.46
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*89.55*	
		For Surface Mount, Add	*157.04*	
26 51 13 00-0313	EA	3,200 Lumens, 2' x 2', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	268.79	33.46
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*89.55*	
		For Surface Mount, Add	*157.04*	
26 51 13 00-0314	EA	2,200 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	320.74	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*104.86*	
		For Surface Mount, Add	*181.87*	
26 51 13 00-0315	EA	3,100 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	331.56	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*104.86*	
		For Surface Mount, Add	*181.87*	
26 51 13 00-0316	EA	4,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	331.56	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*104.86*	
		For Surface Mount, Add	*181.87*	
26 51 13 00-0317	EA	4,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	423.01	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*104.86*	
		For Surface Mount, Add	*181.87*	
26 51 13 00-0318	EA	5,000 Lumens, 2' x 4', Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	367.45	38.98
		For Expanded Size Junction Box For Through Wiring, Add	*3.24*	
		For Drywall Or Plaster Ceilings, Add	*104.86*	
		For Surface Mount, Add	*181.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0319		**Architectural, Lay-In/Troffer LED Fixtures (Metalux®)** *(26 51 13 00-0302)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0320	EA	2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	293.41	33.46
26 51 13 00-0321	EA	4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	393.56	38.98
26 51 13 00-0322		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0276)*		
26 51 13 00-0323		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 13 00-0322)*		
26 51 13 00-0324	EA	3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	356.09	33.46
		For Drywall Or Plaster Ceilings, Add	*22.59*	
26 51 13 00-0325	EA	4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	484.57	38.98
		For Drywall Or Plaster Ceilings, Add	*26.35*	
26 51 13 00-0326		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0276)*		
26 51 13 00-0327		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 13 00-0326)*		
26 51 13 00-0328	EA	3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	251.43	38.98
26 51 13 00-0329	EA	3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	252.30	33.46
26 51 13 00-0330	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	321.88	38.98
26 51 13 00-0331	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	321.88	38.98
26 51 13 00-0332		**Surface Mount LED Fixtures** *(26 51 13 00-0264)*		
26 51 13 00-0333		**Surface Mount, Volumetric LED Fixtures** *(26 51 13 00-0332)*		
26 51 13 00-0334	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	351.55	25.10
26 51 13 00-0335	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	328.48	55.79
26 51 13 00-0336	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	351.93	30.61
26 51 13 00-0337		**Surface Mount, Wraparound LED Fixtures** *(26 51 13 00-0332)*		
26 51 13 00-0338	EA	2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	202.01	30.61
26 51 13 00-0339	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	205.66	30.61
26 51 13 00-0340		**Surface Mount, Shadow Box Style LED Fixtures** *(26 51 13 00-0332)*		
26 51 13 00-0341		**Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)** *(26 51 13 00-0340)*		
26 51 13 00-0342	EA	3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	454.25	33.46
26 51 13 00-0343	EA	4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	582.73	38.98
26 51 13 00-0344		**Recessed LED Downlights** *(26 51 13 00-0264)*		
26 51 13 00-0345		**Recessed LED Downlights** *(26 51 13 00-0344)*		
26 51 13 00-0346		**Recessed LED Downlights (Lithonia)** *(26 51 13 00-0345)* Note: Includes housing and trim.		
26 51 13 00-0347	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	394.03	40.26
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*89.54*	
26 51 13 00-0348	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	431.99	40.26
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*89.54*	
26 51 13 00-0349		**Recessed LED Downlights (Portfolio®)** *(26 51 13 00-0345)* Note: Includes housing and trim.		
26 51 13 00-0350	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	232.59	40.26
26 51 13 00-0351		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 13 00-0345)* Note: Includes housing and trim.		
26 51 13 00-0352	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	325.53	40.26
26 51 13 00-0353	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	337.78	40.26
26 51 13 00-0354	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	388.02	40.26
26 51 13 00-0355	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	392.93	40.26
26 51 13 00-0356	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	435.82	40.26
26 51 13 00-0357		**Recessed LED Downlights (Lightolier)** *(26 51 13 00-0345)* Note: Includes housing and trim.		
26 51 13 00-0358	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	344.68	40.26
26 51 13 00-0359	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	402.35	40.26
26 51 13 00-0360	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	431.12	40.26
26 51 13 00-0361	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	431.12	40.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0362	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	445.57	40.26
26 51 13 00-0363	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	460.03	40.26
26 51 13 00-0364		Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 13 00-0344)*		
26 51 13 00-0365		Recessed LED Downlight Retrofits (CREE®) *(26 51 13 00-0364)* Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0366	EA	575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L)	54.97	
26 51 13 00-0367	EA	625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L)	46.79	
26 51 13 00-0368	EA	800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L)	63.14	
26 51 13 00-0369	EA	650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277)	72.67	
26 51 13 00-0370	EA	1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	80.84	
26 51 13 00-0371		Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 13 00-0364)* Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0372	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	27.34	6.40
26 51 13 00-0373	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	32.79	6.40
26 51 13 00-0374	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	28.71	6.40
26 51 13 00-0375		Recessed LED Downlight Fixture Housings (CREE®) *(26 51 13 00-0364)* Note: Excludes lamp and trim.		
26 51 13 00-0376	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	73.86	27.45
26 51 13 00-0377	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	54.78	27.45
26 51 13 00-0378		Can Retrofit Or Surface Mount, LED Downlights *(26 51 13 00-0344)*		
26 51 13 00-0379	EA	15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	94.72	25.10
26 51 13 00-0380	EA	7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D)	72.54	25.10
26 51 13 00-0381	EA	9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D)	72.54	25.10
26 51 13 00-0382	EA	8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP)	85.61	25.10
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*32.52*	
26 51 13 00-0383		Wall Mount LED Cylinder Downlight *(26 51 13 00-0264)*		
26 51 13 00-0384	EA	2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	448.70	38.98
26 51 13 00-0385		Concealed Continuous LED Fixtures *(26 51 13 00-0264)*		
26 51 13 00-0386		Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 13 00-0385)*		
26 51 13 00-0387	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	395.32	4.18
26 51 13 00-0388	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	450.47	4.18
26 51 13 00-0389		LED Low Bay Fixtures *(26 51 13 00-0264)*		
26 51 13 00-0390		LED Linear Low Bay Fixtures (PlanLED) *(26 51 13 00-0389)*		
26 51 13 00-0391	EA	4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4)	223.40	50.19
26 51 13 00-0392	EA	4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	295.61	50.19
26 51 13 00-0393	EA	8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	483.07	62.74
26 51 13 00-0394		LED Linear Low Bay Fixtures (CREE® CS) *(26 51 13 00-0389)* Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0395	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	456.12	50.19
26 51 13 00-0396	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	568.28	62.74
26 51 13 00-0397	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	719.44	62.74
26 51 13 00-0398		LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 13 00-0389)* Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0399	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	554.19	50.19
26 51 13 00-0400		Wet/Hazardous Location, LED Fixtures *(26 51 13 00-0264)*		
26 51 13 00-0401		Wet Location, LED Fixtures *(26 51 13 00-0400)*		
26 51 13 00-0402		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 13 00-0401)* Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0403	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,507.21	70.26
		For Ceiling Mount, Add	*13.00*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Stanchion Mount, Add	*88.67*	
		For Wall Mount, Add	*98.15*	
		For Polycarbonate Lens, Add	*76.17*	
		For Teflon Coated Lens, Add	*87.23*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0404	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,537.54	75.29
		For Ceiling Mount, Add	*13.00*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Stanchion Mount, Add	*88.67*	
		For Wall Mount, Add	*98.15*	
		For Polycarbonate Lens, Add	*76.17*	
		For Teflon Coated Lens, Add	*87.23*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0405	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	1,735.01	80.30
		For Ceiling Mount, Add	*13.00*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Stanchion Mount, Add	*88.67*	
		For Wall Mount, Add	*98.15*	
		For Polycarbonate Lens, Add	*76.17*	
		For Teflon Coated Lens, Add	*87.23*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0406	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	2,085.88	85.32
		For Ceiling Mount, Add	*13.00*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Stanchion Mount, Add	*88.67*	
		For Wall Mount, Add	*98.15*	
		For Polycarbonate Lens, Add	*76.17*	
		For Teflon Coated Lens, Add	*87.23*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0407	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	2,655.85	90.34
		For Ceiling Mount, Add	*13.00*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Stanchion Mount, Add	*88.67*	
		For Wall Mount, Add	*98.15*	
		For Polycarbonate Lens, Add	*76.17*	
		For Teflon Coated Lens, Add	*87.23*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0408		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 13 00-0401)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0409	EA	45 System Watts, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	1,361.44	75.29
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0410	EA	62 System Watts, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	2,001.83	80.30
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0411	EA	79 System Watts, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	2,206.63	85.32
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0412	EA	99 System Watts, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	2,531.79	90.34
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 13 00-0413 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 13 00-0401)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0414	EA	25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	948.40	70.26
		For 12/24 Volt DC Driver, Add	*20.11*	
		For Frosted Lens, Add	*41.10*	
		For 55 Degree Ambient Suitability (AC Only), Add	*27.38*	
		For Warm White Color Rendering, Add	*52.91*	
		For Ceiling Mount, Add	*62.48*	
		For Wall Mount, Add	*90.61*	
		For Teflon Coated Lens, Add	*87.23*	
		For Wall Mount With Junction Box, Add	*131.63*	

26 51 13 00-0415 Class I Division 2, Hazardous Location, LED Fixtures *(26 51 13 00-0400)*

26 51 13 00-0416 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 51 13 00-0415)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0417	EA	45 System Watts, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	1,847.72	75.29
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0418	EA	62 System Watts, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	2,263.67	80.30
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0419	EA	79 System Watts, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	2,557.39	85.32
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	
26 51 13 00-0420	EA	99 System Watts, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	2,859.23	90.34
		For Bolt-On Visor, Add	*70.76*	
		For Bolt-On Wire Guard, Add	*145.54*	
		For 480 Volt, Add	*124.61*	
		For Warm White Color Rendering, Add	*52.91*	

26 51 13 00-0421 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 51 13 00-0415)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0422	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,091.45	70.26
		For 12/24 Volt DC Driver, Add	*20.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Temperature LEDs, Add	*52.91*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*27.38*	
		For Stanchion Mount, Add	*169.54*	
		For Ceiling Mount, Add	*67.98*	
		For Wall Mount, Add	*99.24*	
		For Teflon Coated Lens, Add	*87.23*	
		For Wall Mount With Junction Box, Add	*144.90*	

26 51 13 00-0423 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 51 13 00-0415)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0424	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	1,736.15	70.26
		For Ceiling Mount, Add	*13.01*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Polycarbonate Lens, Add	*76.17*	
		For 480 Volt, Add	*124.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0425	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	1,923.57	75.29
		For Ceiling Mount, Add	*13.01*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Polycarbonate Lens, Add	*76.17*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0426	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,155.92	80.30
		For Ceiling Mount, Add	*13.01*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Polycarbonate Lens, Add	*76.17*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0427	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	2,809.69	85.32
		For Ceiling Mount, Add	*13.01*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Polycarbonate Lens, Add	*76.17*	
		For 480 Volt, Add	*124.61*	
26 51 13 00-0428	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	3,224.15	90.34
		For Ceiling Mount, Add	*13.01*	
		For Quick Clip Mounting Option, Add	*19.11*	
		For Frosted Lens, Add	*41.10*	
		For Warm White Color Rendering, Add	*52.91*	
		For Polycarbonate Lens, Add	*76.17*	
		For 480 Volt, Add	*124.61*	

26 51 13 00-0429 Class I Division 1, Explosion Proof, LED Fixtures *(26 51 13 00-0400)*

26 51 13 00-0430 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 51 13 00-0429)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0431	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	2,463.25	75.29
		For Wall Mount, Deduct	*-9.34*	
		For Warm Color Temperature LEDs, Add	*50.39*	
		For Stainless Steel Guard, Add	*90.44*	
		For Ceiling Mount, Add	*109.10*	
		For Stanchion Mount, Add	*126.98*	
		For Yoke Mount, Add	*317.44*	
26 51 13 00-0432	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	2,993.16	80.30
		For Wall Mount, Deduct	*-9.34*	
		For Warm Color Temperature LEDs, Add	*50.39*	
		For Stainless Steel Guard, Add	*90.44*	
		For Ceiling Mount, Add	*109.10*	
		For Stanchion Mount, Add	*126.98*	
		For Yoke Mount, Add	*317.44*	
26 51 13 00-0433	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	3,475.74	85.32
		For Wall Mount, Deduct	*-9.34*	
		For Warm Color Temperature LEDs, Add	*50.39*	
		For Stainless Steel Guard, Add	*90.44*	
		For Ceiling Mount, Add	*109.10*	
		For Stanchion Mount, Add	*126.98*	
		For Yoke Mount, Add	*317.44*	
26 51 13 00-0434	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	3,967.14	90.34
		For Wall Mount, Deduct	*-9.34*	
		For Warm Color Temperature LEDs, Add	*50.39*	
		For Stainless Steel Guard, Add	*90.44*	
		For Ceiling Mount, Add	*109.10*	
		For Stanchion Mount, Add	*126.98*	
		For Yoke Mount, Add	*317.44*	
26 51 13 00-0435	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	4,595.09	86.99
		For Wall Mount, Deduct	*-9.34*	
		For Warm Color Temperature LEDs, Add	*50.39*	
		For Stainless Steel Guard, Add	*90.44*	
		For Ceiling Mount, Add	*109.10*	
		For Stanchion Mount, Add	*126.98*	
		For Yoke Mount, Add	*317.44*	

26 51 13 00-0436 Ceiling Mounted LED Fixtures *(26 51 13 00-0264)*

26 51 13 00-0437 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 13 00-0436)*

26 51 13 00-0438	EA	7 Watts, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	116.58	33.46

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0439	EA	10 Watts 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	123.17	33.46
26 51 13 00-0440	EA	14 Watts 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	129.77	33.46
26 51 13 00-0441	EA	17 Watts 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	136.36	33.46
26 51 13 00-0442	EA	7 Watts, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	128.43	36.81
26 51 13 00-0443	EA	10 Watts, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	135.02	36.81
26 51 13 00-0444	EA	14 Watts, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	141.61	36.81
26 51 13 00-0445	EA	17 Watts, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	148.21	36.81
26 51 13 00-0446	EA	24 Watts, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	161.39	36.81
26 51 13 00-0447	EA	7 Watts, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	116.58	33.46
26 51 13 00-0448	EA	10 Watts, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	123.17	33.46
26 51 13 00-0449	EA	14 Watts, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	129.76	33.46
26 51 13 00-0450	EA	17 Watts, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	136.35	33.46
26 51 13 00-0451	EA	7 Watts, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	128.43	36.81
26 51 13 00-0452	EA	10 Watts, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	135.02	36.81
26 51 13 00-0453	EA	14 Watts, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	141.61	36.81
26 51 13 00-0454	EA	17 Watts, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	148.21	36.81
26 51 13 00-0455	EA	24 Watts, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	161.39	36.81
26 51 13 00-0456	EA	7 Watts, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	116.58	33.46
26 51 13 00-0457	EA	10 Watts, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	123.17	33.46
26 51 13 00-0458	EA	14 Watts, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	129.76	33.46
26 51 13 00-0459	EA	17 Watts, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	136.35	33.46
26 51 13 00-0460	EA	7 Watts, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.43	36.81
26 51 13 00-0461	EA	10 Watts, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	135.02	36.81
26 51 13 00-0462	EA	14 Watts, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	141.61	36.81
26 51 13 00-0463	EA	17 Watts, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	148.21	36.81
26 51 13 00-0464	EA	24 Watts, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	161.39	36.81
26 51 13 00-0465	EA	7 Watts, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	116.58	33.46
26 51 13 00-0466	EA	10 Watts, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	123.17	33.46
26 51 13 00-0467	EA	14 Watts, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	129.76	33.46
26 51 13 00-0468	EA	17 Watts, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	136.35	33.46
26 51 13 00-0469	EA	7 Watts, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.43	36.81
26 51 13 00-0470	EA	10 Watts, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	135.02	36.81
26 51 13 00-0471	EA	14 Watts, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	141.61	36.81
26 51 13 00-0472	EA	17 Watts, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	148.21	36.81
26 51 13 00-0473	EA	24 Watts, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	161.39	36.81
26 51 13 00-0474	EA	10 Watts, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	165.15	39.73
26 51 13 00-0475	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	180.13	39.73
26 51 13 00-0476	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	176.47	39.73
26 51 13 00-0477	EA	18 Watts, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	176.41	39.73
26 51 13 00-0478	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.31	39.73
26 51 13 00-0479	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	187.86	39.73
26 51 13 00-0480	EA	31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	210.69	39.73
26 51 13 00-0481	EA	32 Watts, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	203.26	39.73
26 51 13 00-0482	EA	32 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	203.32	39.73
26 51 13 00-0483	EA	10 Watts, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	165.15	39.73
26 51 13 00-0484	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	180.13	39.73
26 51 13 00-0485	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	176.47	39.73
26 51 13 00-0486	EA	18 Watts, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	176.41	39.73
26 51 13 00-0487	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.31	39.73
26 51 13 00-0488	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	187.86	39.73
26 51 13 00-0489	EA	31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	210.69	39.73
26 51 13 00-0490	EA	32 Watts, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	203.26	39.73
26 51 13 00-0491	EA	32 Watts, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	203.32	39.73
26 51 13 00-0492	EA	10 Watts, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	165.15	39.73
26 51 13 00-0493	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	180.13	39.73
26 51 13 00-0494	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	176.47	39.73
26 51 13 00-0495	EA	18 Watts, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	176.41	39.73
26 51 13 00-0496	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.31	39.73
26 51 13 00-0497	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	187.86	39.73
26 51 13 00-0498	EA	31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	210.69	39.73
26 51 13 00-0499	EA	32 Watts, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	203.26	39.73
26 51 13 00-0500	EA	32 Watts, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	203.32	39.73
26 51 13 00-0501	EA	10 Watts, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	165.15	39.73
26 51 13 00-0502	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	180.13	39.73
26 51 13 00-0503	EA	17 Watts, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	176.47	39.73
26 51 13 00-0504	EA	18 Watts, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	176.41	39.73
26 51 13 00-0505	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.31	39.73
26 51 13 00-0506	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	187.86	39.73
26 51 13 00-0507	EA	31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	210.69	39.73
26 51 13 00-0508	EA	32 Watts, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	203.26	39.73
26 51 13 00-0509	EA	32 Watts, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	203.32	39.73
26 51 13 00-0510		Downlight LED Fixtures And Trim *(26 51 13 00-0264)*		
26 51 13 00-0511	EA	2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827)	125.10	40.26
26 51 13 00-0512	EA	3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830)	125.10	40.26
26 51 13 00-0513	EA	3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835)	125.10	40.26
26 51 13 00-0514	EA	4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840)	125.10	40.26
26 51 13 00-0515	EA	2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827)	127.51	40.26
26 51 13 00-0516	EA	3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830)	127.51	40.26
26 51 13 00-0517	EA	3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835)	127.51	40.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0518	EA	4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840)	127.51	40.26
26 51 13 00-0519	EA	2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827)	160.19	40.26
26 51 13 00-0520	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830)	158.53	40.26
26 51 13 00-0521	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835)	158.53	40.26
26 51 13 00-0522	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840)	158.53	40.26
26 51 13 00-0523	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB)	77.36	12.81
26 51 13 00-0524	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	47.46	12.81
26 51 13 00-0525	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	60.33	12.81
26 51 13 00-0526	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	50.05	12.81
26 51 13 00-0527	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	39.53	12.81
26 51 13 00-0528	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	49.59	12.81
26 51 13 00-0529	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	55.71	12.81
26 51 13 00-0530	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	61.16	12.81
26 51 13 00-0531	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	71.82	12.81
26 51 13 00-0532	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	72.16	12.81
26 51 13 00-0533	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	70.63	12.81
26 51 13 00-0534	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	88.12	12.81
26 51 13 00-0535	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	39.90	12.81
26 51 13 00-0536	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB)	74.81	12.81
26 51 13 00-0537	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	63.04	12.81
26 51 13 00-0538	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	58.91	12.81
26 51 13 00-0539	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	52.10	12.81
26 51 13 00-0540	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	52.59	12.81
26 51 13 00-0541	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	56.96	12.81
26 51 13 00-0542	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	51.83	12.81
26 51 13 00-0543	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	65.76	12.81
26 51 13 00-0544	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	71.64	12.81
26 51 13 00-0545	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	91.18	12.81
26 51 13 00-0546	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	88.73	12.81
26 51 13 00-0547	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	89.81	12.81
26 51 13 00-0548	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	53.18	12.81
26 51 13 00-0549	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	46.42	27.45
26 51 13 00-0550	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	51.21	27.45
26 51 13 00-0551	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	49.29	27.45
26 51 13 00-0552	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	68.14	27.45
26 51 13 00-0553	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	65.93	27.45
26 51 13 00-0554	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	51.86	27.45
26 51 13 00-0555	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	55.08	27.45
26 51 13 00-0556	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	51.19	27.45
26 51 13 00-0557	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	54.72	27.45
26 51 13 00-0558	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	51.77	27.45
26 51 13 00-0559	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	51.44	27.45
26 51 13 00-0560	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	53.99	27.45
26 51 13 00-0561	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	55.37	27.45
26 51 13 00-0562	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	55.81	27.45
26 51 13 00-0563	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	77.16	27.45
26 51 13 00-0564	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	71.80	27.45
26 51 13 00-0565	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	72.42	27.45
26 51 13 00-0566	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	76.01	27.45
26 51 13 00-0567	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	76.01	27.45
26 51 13 00-0568	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	76.01	27.45
26 51 13 00-0569	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	76.01	27.45
26 51 13 00-0570	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	76.01	27.45
26 51 13 00-0571	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	66.64	27.45
26 51 13 00-0572	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	66.64	27.45
26 51 13 00-0573	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	66.64	27.45
26 51 13 00-0574	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	66.64	27.45
26 51 13 00-0575	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	66.64	27.45
26 51 13 00-0576	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	67.32	27.45
26 51 13 00-0577	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	77.85	27.45
26 51 13 00-0578	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	67.32	27.45
26 51 13 00-0579	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	74.87	27.45
26 51 13 00-0580	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	63.05	27.45
26 51 13 00-0581	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	64.09	27.45
26 51 13 00-0582	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	71.45	27.45
26 51 13 00-0583	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	71.45	27.45
26 51 13 00-0584	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	71.45	27.45
26 51 13 00-0585	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	71.45	27.45
26 51 13 00-0586	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	71.45	27.45
26 51 13 00-0587	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	60.95	12.81
26 51 13 00-0588	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	63.09	12.81
26 51 13 00-0589	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	58.40	27.45
26 51 13 00-0590	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	58.65	27.45
26 51 13 00-0591	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	54.21	27.45
26 51 13 00-0592	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	56.40	27.45
26 51 13 00-0593	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	55.68	27.45
26 51 13 00-0594	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	56.34	27.45
26 51 13 00-0595	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	65.71	27.45
26 51 13 00-0596	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	66.21	27.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0597	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	68.72	27.45
26 51 13 00-0598	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	70.49	27.45
26 51 13 00-0599	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	78.23	27.45
26 51 13 00-0600		**Refrigeration/Display LED Fixtures** *(26 51 13 00-0264)*		
26 51 13 00-0601		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 13 00-0600)*		
		Note: Fixtures exclude driver.		
26 51 13 00-0602	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	286.23	38.98
26 51 13 00-0603	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	363.81	69.01
26 51 13 00-0604	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	358.15	55.21
26 51 13 00-0605		**Recessed Fixtures** *(26 51 13)*		
		Note: Housing and trim priced separately.		
26 51 13 00-0606		**Recessed Fixture Housings** *(26 51 13 00-0605)*		
		Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51 13 00-0607		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 13 00-0606)*		
26 51 13 00-0608	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	84.32	26.17
		For ICAT Housing, Add	*5.80*	
26 51 13 00-0609	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	86.27	26.17
		For ICAT Housing, Add	*6.05*	
26 51 13 00-0610	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	89.66	27.45
		For ICAT Housing, Add	*6.26*	
26 51 13 00-0611	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	92.56	28.64
		For ICAT Housing, Add	*6.39*	
26 51 13 00-0612	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	95.76	29.83
		For ICAT Housing, Add	*6.57*	
26 51 13 00-0613	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	99.26	31.65
		For ICAT Housing, Add	*6.67*	
26 51 13 00-0614		**Fluorescent, Recessed Fixture Housings** *(26 51 13 00-0606)*		
26 51 13 00-0615	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	75.77	26.17
		For ICAT Housing, Add	*4.70*	
26 51 13 00-0616	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	77.76	26.17
		For ICAT Housing, Add	*4.96*	
26 51 13 00-0617	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	81.09	27.36
		For ICAT Housing, Add	*5.15*	
26 51 13 00-0618	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	85.11	28.37
		For ICAT Housing, Add	*5.43*	
26 51 13 00-0619	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	88.71	29.83
		For ICAT Housing, Add	*5.66*	
26 51 13 00-0620	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	92.36	31.65
		For ICAT Housing, Add	*5.78*	
26 51 13 00-0621		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 13 00-0606)*		
26 51 13 00-0622	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	87.12	26.35
		For ICAT Housing, Add	*6.16*	
26 51 13 00-0623	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	90.31	26.35
		For ICAT Housing, Add	*6.58*	
26 51 13 00-0624	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	94.80	27.45
		For ICAT Housing, Add	*6.92*	
26 51 13 00-0625	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	98.38	28.64
		For ICAT Housing, Add	*7.14*	
26 51 13 00-0626	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	101.91	29.83
		For ICAT Housing, Add	*7.36*	
26 51 13 00-0627	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	105.51	31.65
		For ICAT Housing, Add	*7.47*	
26 51 13 00-0628		**Incandescent, Recessed Fixture Housings** *(26 51 13 00-0606)*		
26 51 13 00-0629	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.42	26.17
		For ICAT Housing, Add	*1.82*	
26 51 13 00-0630	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.42	26.17
		For ICAT Housing, Add	*1.82*	
26 51 13 00-0631	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	56.46	27.45
		For ICAT Housing, Add	*1.97*	
26 51 13 00-0632	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	59.59	28.64
		For ICAT Housing, Add	*2.14*	
26 51 13 00-0633	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	62.71	29.83
		For ICAT Housing, Add	*2.31*	
26 51 13 00-0634	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	64.71	31.65
		For ICAT Housing, Add	*2.21*	
26 51 13 00-0635		**Recessed Fixture Trim** *(26 51 13 00-0605)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0636	EA	Circular, Recessed Fixture Trim	36.64	12.81
26 51 13 00-0637	EA	Circular Clear Lens, Recessed Fixture Trim	39.83	12.81
26 51 13 00-0638	EA	Open/Baffle, Recessed Fixture Trim	45.36	12.81
26 51 13 00-0639	EA	Specular Reflector, Recessed Fixture Trim	48.29	12.81
26 51 13 00-0640	EA	Eyeball, Recessed Fixture Trim	39.88	12.81
26 51 13 00-0641	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	38.16	12.81
26 51 13 00-0642	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	40.13	12.81
26 51 13 00-0643		Ceiling Mounted Fixtures *(26 51 13)*		
26 51 13 00-0644		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 13 00-0643)*		
26 51 13 00-0645		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 13 00-0644)*		
26 51 13 00-0646	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	91.53	36.59
26 51 13 00-0647	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	104.06	36.59
26 51 13 00-0648		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 13 00-0643)*		
26 51 13 00-0649		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 13 00-0648)*		
26 51 13 00-0650	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	82.29	36.59
26 51 13 00-0651	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	88.67	36.59
26 51 13 00-0652		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 13 00-0648)*		
26 51 13 00-0653	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	108.14	36.59
26 51 13 00-0654	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	142.63	36.59
26 51 13 00-0655	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	166.52	36.59
26 51 13 00-0656	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	119.31	36.59
26 51 13 00-0657	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	143.33	36.59
26 51 13 00-0658	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	166.52	36.59
26 51 13 00-0659		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 13 00-0643)*		
26 51 13 00-0660		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 13 00-0659)*		
26 51 13 00-0661	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	111.10	36.59
26 51 13 00-0662	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	134.42	36.59
26 51 13 00-0663	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	155.89	36.59
26 51 13 00-0664	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	93.11	36.59
26 51 13 00-0665	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	106.27	36.59
26 51 13 00-0666	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	131.20	36.59
26 51 13 00-0667		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 13 00-0643)*		
26 51 13 00-0668		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 13 00-0667)*		
26 51 13 00-0669	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	152.53	30.06
26 51 13 00-0670		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 13 00-0667)*		
26 51 13 00-0671	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	171.60	30.06
26 51 13 00-0672	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	233.13	30.06
26 51 13 00-0673		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 13 00-0643)*		
26 51 13 00-0674	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	180.08	30.06
26 51 13 00-0675	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	191.88	30.06
26 51 13 00-0676	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	228.41	30.06
26 51 13 00-0677	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	235.72	30.06
26 51 13 00-0678	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	281.80	30.06
26 51 13 00-0679	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	335.75	30.06
26 51 13 00-0680		Finelite Fluorescent Fixtures *(26 51 13 00-0643)*		
26 51 13 00-0681		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 13 00-0680)*		
26 51 13 00-0682	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	293.47	42.64
26 51 13 00-0683	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	288.60	42.64
26 51 13 00-0684	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	308.08	42.64
26 51 13 00-0685	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	356.97	42.64

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0686	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	391.25	42.64
26 51 13 00-0687	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	479.10	42.64
26 51 13 00-0688	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	412.18	44.47
26 51 13 00-0689	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	417.05	44.47
26 51 13 00-0690	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	456.01	44.47
26 51 13 00-0691	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	461.25	44.47
26 51 13 00-0692	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	578.51	44.47
26 51 13 00-0693	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	681.16	44.47
26 51 13 00-0694	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	540.65	46.29
26 51 13 00-0695	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	550.39	46.29
26 51 13 00-0696	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	599.10	46.29
26 51 13 00-0697	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	638.62	46.29
26 51 13 00-0698	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	790.15	46.29
26 51 13 00-0699	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	946.56	46.29
26 51 13 00-0700		**Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O)** *(26 51 13 00-0680)*		
26 51 13 00-0701	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	245.55	42.64
26 51 13 00-0702	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	269.28	42.64
26 51 13 00-0703	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	270.25	42.64
26 51 13 00-0704	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	348.43	44.47
26 51 13 00-0705	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	379.05	44.47
26 51 13 00-0706	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	381.00	44.47
26 51 13 00-0707	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	451.34	46.29
26 51 13 00-0708	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	522.53	46.29
26 51 13 00-0709	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	525.46	46.29
26 51 13 00-0710		**Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)** *(26 51 13 00-0680)*		
26 51 13 00-0711	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	192.67	42.64
26 51 13 00-0712	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	199.13	42.64
26 51 13 00-0713	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	229.26	42.64
26 51 13 00-0714	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	242.92	44.47
26 51 13 00-0715	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	277.36	44.47
26 51 13 00-0716	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	319.33	44.47
26 51 13 00-0717	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	325.47	46.29
26 51 13 00-0718	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	385.74	46.29
26 51 13 00-0719	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	450.31	46.29
26 51 13 00-0720		**Track Lighting** *(26 51 13)*		
26 51 13 00-0721		**Track Lighting Tracks** *(26 51 13 00-0720)*		
26 51 13 00-0722	LF	1 Circuit Track Lighting Track	22.28	6.04
26 51 13 00-0723	LF	2 Circuit Track Lighting Track	29.33	6.04
26 51 13 00-0724	LF	3 Circuit Track Lighting Track	35.34	6.04
26 51 13 00-0725	LF	4 Circuit Track Lighting Track	41.35	7.31
26 51 13 00-0726		**Track Lighting Fixtures** *(26 51 13 00-0720)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0727		**Compact Fluorescent Track Lighting Fixtures** *(26 51 13 00-0726)*		
26 51 13 00-0728	EA	Compact Fluorescent Track Lighting Fixture	53.00	15.28
26 51 13 00-0729		**Fluorescent Track Lighting Fixtures** *(26 51 13 00-0726)*		
26 51 13 00-0730	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	284.46	15.28
26 51 13 00-0731	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	297.65	15.28
26 51 13 00-0732	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	305.89	15.28
26 51 13 00-0733	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	270.24	15.28
26 51 13 00-0734	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	346.10	15.28
26 51 13 00-0735		**Metal Halide Track Lighting Fixtures** *(26 51 13 00-0726)*		
26 51 13 00-0736	EA	Metal Halide Track Lighting Fixture	55.59	15.28
26 51 13 00-0737		**Incandescent Track Lighting Fixtures** *(26 51 13 00-0726)*		
26 51 13 00-0738	EA	Incandescent Track Lighting Fixture	46.56	15.28
26 51 13 00-0739	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	65.95	15.28
26 51 13 00-0740	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	99.22	15.28
26 51 13 00-0741	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	102.52	15.28
26 51 13 00-0742	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	81.01	15.28
26 51 13 00-0743	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	65.95	15.28
26 51 13 00-0744	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish Note: 120V.	79.43	15.28
26 51 13 00-0745	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	105.81	15.28
26 51 13 00-0746		**LED Track Lighting Fixtures** *(26 51 13 00-0726)*		
26 51 13 00-0747	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	227.46	15.28
26 51 13 00-0748	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	405.62	15.28
26 51 13 00-0749	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	234.23	15.28
26 51 13 00-0750		**Track Lighting Accessories** *(26 51 13 00-0720)*		
26 51 13 00-0751		**Pendant Mounting** *(26 51 13 00-0750)*		
26 51 13 00-0752	EA	Track Lighting Pendant Mounting, Up to 12"	26.77	
26 51 13 00-0753	EA	Track Lighting Pendant Mounting, >12" To 24"	35.97	
26 51 13 00-0754	EA	Track Lighting Pendant Mounting, >24" To 36"	44.37	
26 51 13 00-0755		**Wet Location, Dust Resistant, Vapor Tight Fixtures** *(26 51 13)*		
26 51 13 00-0756		**Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0755)*		
26 51 13 00-0757		**Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0756)*		
26 51 13 00-0758	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	142.07	36.59
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0759	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	169.58	36.59
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0760		**Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0756)*		
26 51 13 00-0761	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	156.27	36.59
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0762	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	161.68	36.59
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0763	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	175.06	36.59
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0764		**Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0756)*		
26 51 13 00-0765	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	203.34	36.59
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0766	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	210.94	36.59
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0767	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	226.36	36.59
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0768	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	249.55	36.59
		For Wall Mounted, Add	*6.30*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0769		High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0756)*		
26 51 13 00-0770	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	185.27	36.59
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0771	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	194.70	36.59
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0772	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	231.16	36.59
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0773		Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 13 00-0755)*		
26 51 13 00-0774		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 13 00-0773)*		
26 51 13 00-0775		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 13 00-0774)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0776	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	157.82	38.98
		For T5 Fixture Instead Of T8, Add	*11.37*	
26 51 13 00-0777	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	162.43	38.98
		For T5 Fixture Instead Of T8, Add	*11.89*	
26 51 13 00-0778	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	241.62	38.98
		For T5 Fixture Instead Of T8, Add	*20.96*	
26 51 13 00-0779	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	219.21	38.98
26 51 13 00-0780	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	339.77	38.98
26 51 13 00-0781		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 13 00-0774)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0782	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	210.76	38.98
26 51 13 00-0783	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	210.76	38.98
26 51 13 00-0784	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	302.14	38.98
26 51 13 00-0785	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	257.93	38.98
26 51 13 00-0786	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	269.16	38.98
26 51 13 00-0787		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 13 00-0773)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0788		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 13 00-0787)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0789	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	285.47	52.95
		For T5 Fixture Instead Of T8, Add	*23.59*	
26 51 13 00-0790	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	291.90	52.95
		For T5 Fixture Instead Of T8, Add	*24.32*	
26 51 13 00-0791		Large Interior Area Fixtures *(26 51 13)*		
26 51 13 00-0792		Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0791)*		
		Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0793		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0792)*		
26 51 13 00-0794	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	268.64	97.54
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0795	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	281.00	103.57
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0796	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	300.03	118.21
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0797		Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0792)*		
26 51 13 00-0798	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	273.71	97.54
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0799	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	282.99	103.57
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0800	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	307.33	118.21
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0801		**Low Bay Fixtures, Large Interior Area Fixtures** *(26 51 13 00-0791)* Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0802		**High Pressure Sodium, Low Bay Fixtures** *(26 51 13 00-0801)*		
26 51 13 00-0803	EA	150 Watt High Pressure Sodium, Low Bay Fixture	152.17	89.17
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0804	EA	250 Watt High Pressure Sodium, Low Bay Fixture	160.33	94.69
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0805	EA	400 Watt High Pressure Sodium, Low Bay Fixture	179.30	108.07
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0806		**Metal Halide, Low Bay Fixtures** *(26 51 13 00-0801)*		
26 51 13 00-0807	EA	175 Watt Metal Halide, Low Bay Fixture	147.86	89.17
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0808	EA	250 Watt Metal Halide, Low Bay Fixture	155.49	94.69
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0809	EA	400 Watt Metal Halide, Low Bay Fixture	181.32	108.07
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0810		**High Bay Fixtures, Large Interior Area Fixtures** *(26 51 13 00-0791)* Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0811		**High Pressure Sodium, High Bay Fixtures** *(26 51 13 00-0810)* Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0812	EA	250 Watt High Pressure Sodium, High Bay Fixture	160.33	94.69
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0813	EA	400 Watt High Pressure Sodium, High Bay Fixture	179.30	108.07
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0814	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	214.72	113.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0815		**Metal Halide, High Bay Fixtures** *(26 51 13 00-0810)* Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0816	EA	250 Watt Metal Halide, High Bay Fixture	155.49	94.69
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0817	EA	400 Watt Metal Halide, High Bay Fixture	181.32	108.07
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0818	EA	1,000 Watt Metal Halide, High Bay Fixture	191.77	113.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 13 00-0819 (T8) Fluorescent, High Bay Fixtures *(26 51 13 00-0810)*

26 51 13 00-0820 (T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 13 00-0819)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 13 00-0821	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	303.49	85.32
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0822	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	316.42	94.52
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0823	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	357.15	107.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0824	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	418.95	113.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0825	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	449.19	118.95
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0826	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	378.63	107.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0827	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	386.99	113.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0828	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	448.97	118.95
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 13 00-0829 (T5HO) Fluorescent, High Bay Fixtures *(26 51 13 00-0810)*

26 51 13 00-0830 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 13 00-0829)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 13 00-0831	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	316.64	85.32
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0832	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	334.62	94.52
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0833	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	382.47	107.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0834	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	459.73	113.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0835	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	428.46	107.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0836	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	476.65	113.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0837	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	571.82	118.95
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0838		Induction, High Bay Fixtures *(26 51 13 00-0810)*		
26 51 13 00-0839		Induction, High Bay Fixtures (Everlast®) *(26 51 13 00-0838)*		
		Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 13 00-0840	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	489.18	82.81
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0841	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	528.58	85.57
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0842	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	537.62	88.34
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0843	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	591.61	91.09
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0844	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	606.72	93.85
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0845	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	531.69	82.81
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0846	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	571.09	85.57
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0847	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	580.13	88.34
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0848	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	634.12	91.09
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0849	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	649.23	93.85
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0850		LED, High Bay Fixtures *(26 51 13 00-0810)*		
26 51 13 00-0851		LED High Bay Fixtures (Lithonia IBL) *(26 51 13 00-0850)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0852	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	614.54	92.01
26 51 13 00-0853	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	675.27	92.01
26 51 13 00-0854	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	839.25	92.01
26 51 13 00-0855	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	904.84	92.01
26 51 13 00-0856		LED High Bay Fixtures (PlanLED) *(26 51 13 00-0850)*		
26 51 13 00-0857		LED High Bay Fixtures (PlanLED LUNA) *(26 51 13 00-0856)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0858	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	566.04	92.01
26 51 13 00-0859	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	631.26	92.01
26 51 13 00-0860	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	725.60	92.01
26 51 13 00-0861	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	817.61	92.01
26 51 13 00-0862		LED High Bay Fixtures (PlanLED IBL) *(26 51 13 00-0856)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0863	EA	13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	612.62	92.01
		For 480 Volt, Add	*32.21*	
26 51 13 00-0864	EA	21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	839.73	92.01
		For 480 Volt, Add	*40.70*	
26 51 13 00-0865	EA	42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,465.16	92.01
		For 480 Volt, Add	*64.33*	
26 51 13 00-0866		LED High Bay Fixtures (PlanLED SEGA) *(26 51 13 00-0856)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0867	EA	10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080)	490.34	92.01
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 51 13 00-0868	EA	13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100)	521.78	92.01
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 51 13 00-0869	EA	16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130)	630.09	92.01
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 51 13 00-0870	EA	20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160)	708.13	92.01
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 51 13 00-0871	EA	50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,283.47	92.01
26 51 13 00-0872	EA	57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,385.96	92.01
26 51 13 00-0873	EA	80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,089.61	92.01
26 51 13 00-0874		Ceiling Mounted, Large Interior Area Fixtures *(26 51 13 00-0791)*		
		Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0875		High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 13 00-0874)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0876	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	107.76	63.41
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0877	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	396.98	63.41
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0878	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	454.56	63.41
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0879	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	603.87	63.41
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 13 00-0880 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 13 00-0874)*

26 51 13 00-0881	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	324.09	63.41
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0882	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	346.31	70.36
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0883	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	369.47	76.21
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0884	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	402.00	90.76
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 13 00-0885 Removal And Reinstallation Of Light Fixtures *(26 51 13)*

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 13 00-0886	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	97.45	
26 51 13 00-0887	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	111.37	

26 51 13 00-0888 Retrofit Existing Fluorescent Fixtures *(26 51 13)*

26 51 13 00-0889	EA	Convert 1L F96 fixture to operate (2) F32T8 lamps	180.71	
		Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
		For Specular Reflector, Add	*23.31*	
		For Retrofit Kit Without Ballast, Deduct	*-62.29*	
26 51 13 00-0890	EA	Convert 2L F96 fixture to operate (4) F32T8 lamps	185.28	
		Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
		For Specular Reflector, Add	*23.31*	
		For Retrofit Kit Without Ballast, Deduct	*-62.97*	
26 51 13 00-0891	EA	Convert 1L UFB40 fixture to operate (2) F17T8 lamps	110.99	
		Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
		For Specular Reflector, Add	*6.35*	
		For Retrofit Kit Without Ballast, Deduct	*-35.50*	
26 51 13 00-0892	EA	Convert 2L UFB40 fixture to operate (3) F17T8 lamps	114.65	
		Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
		For Specular Reflector, Add	*6.35*	
		For Retrofit Kit Without Ballast, Deduct	*-36.05*	

26 52 Safety Lighting *(26 50)*

26 52 00 00-0001 Commercial Emergency Lights *(26 52)*

26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 00 00-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	147.62	22.88
26 52 00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	104.80	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	160.83	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	186.20	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	273.37	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	308.75	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	446.61	22.88
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 00 00-0010 Remote Heads For Commercial Emergency Lights *(26 52 00 00-0001)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	99.22	13.73
26 52 00 00-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	99.86	13.73
26 52 00 00-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	102.00	13.73
26 52 00 00-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	101.65	13.73
26 52 00 00-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	88.51	13.73
26 52 00 00-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	62.42	13.73

26 52 00 00-0017 Industrial Emergency Lights *(26 52)*

26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0017)*

26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	254.11	22.88
		For Wireguard, Add	*125.37*	
26 52 00 00-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	214.53	22.88
		For Wireguard, Add	*125.37*	
26 52 00 00-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	330.23	22.88
		For Wireguard, Add	*125.37*	
26 52 00 00-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	350.19	22.88
		For Wireguard, Add	*125.37*	
26 52 00 00-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	496.63	22.88
		For Wireguard, Add	*133.53*	
26 52 00 00-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	776.76	22.88
		For Wireguard, Add	*133.53*	

26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0018)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	77.46	13.73
		For Wireguard, Add	*101.17*	
26 52 00 00-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	79.95	13.73
		For Wireguard, Add	*101.17*	
26 52 00 00-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	77.80	13.73
		For Wireguard, Add	*101.17*	
26 52 00 00-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	78.21	13.73
		For Wireguard, Add	*101.17*	
26 52 00 00-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	79.95	13.73
		For Wireguard, Add	*101.17*	
26 52 00 00-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	92.56	13.73
		For Wireguard, Add	*101.17*	

26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0017)*

26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	250.93	22.88
		For Wireguard, Add	*121.89*	
		For Self-Diagnostics, Add	*105.50*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0036		EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	272.06	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0037		EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	266.27	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0038		EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	281.03	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0039		EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	467.98	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0040		EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	369.29	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0041		EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	412.70	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0042		EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	434.70	22.88
			For Wireguard, Add	*121.89*	
			For Self-Diagnostics, Add	*61.50*	

26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0044		EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	67.91	13.73
26 52 00 00-0045		EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	72.94	13.73
26 52 00 00-0046		EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	67.97	13.73
26 52 00 00-0047		EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	71.67	13.73
26 52 00 00-0048		EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	62.15	13.73

26 52 00 00-0049 Outdoor Emergency Lights *(26 52)*

26 52 00 00-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 00 00-0049)*

Note: Includes nickel-cadmium batteries.

26 52 00 00-0051		EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	390.42	22.88
26 52 00 00-0052		EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	464.22	22.88

26 52 00 00-0053 Recessed Emergency Lights *(26 52)*

26 52 00 00-0054		EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	424.11	22.88
			For Wire Guard, Add	*60.00*	
26 52 00 00-0055		EA	16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2) Note: Includes lead-calcium batteries and two adjustable lamp heads.	346.30	45.75
			For Wireguard, Add	*133.53*	
26 52 00 00-0056		EA	50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) Note: Includes lead-calcium batteries and two adjustable lamp heads.	489.32	45.75
			For Wireguard, Add	*133.53*	

26 52 00 00-0057 Square Wraparound Emergency Lights *(26 52)*

26 52 00 00-0058		EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	198.53	22.88

26 53 Exit Signs *(26 50)*

Note: Excludes pendants.

26 53 00 00-0001 LED Exit Signs *(26 53)*

Note: Includes red LED lamps.

26 53 00 00-0002		EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	125.50	33.44
			For Green LED Lamps, Add	*15.00*	
26 53 00 00-0003		EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	125.50	33.44
			For Green LED Lamps, Add	*15.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	169.33	33.44
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	169.33	33.44
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	185.00	33.44
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	207.85	33.44
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	175.45	33.44
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	192.03	33.44
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	224.64	33.44
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	321.82	33.44
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	276.52	33.44
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	288.56	33.44
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0014		**Edge-Lit LED Exit Signs** *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0015	EA	Single Face, Edge-Lit LED Exit Sign	252.01	33.44
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0016	EA	Double Face, Edge-Lit LED Exit Sign	269.42	33.44
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0017	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	305.77	33.44
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0018	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	318.60	33.44
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0019		**Self-Luminous Tritium Exit Signs** *(26 53)*		
		Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	337.76	33.44
26 53 00 00-0021	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	608.35	33.44
26 53 00 00-0022	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	399.40	33.44
26 53 00 00-0023	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	657.83	33.44
26 53 00 00-0024	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	368.44	33.44
26 53 00 00-0025	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	657.83	33.44
26 53 00 00-0026	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	448.60	33.44
26 53 00 00-0027	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	812.95	33.44
26 53 00 00-0028		**Vandal-Resistant LED Exit Signs** *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0029	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	319.53	33.44
26 53 00 00-0030	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	487.09	33.44
26 53 00 00-0031	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	589.83	33.44
26 53 00 00-0032		**Remove And Reinstall Exit Light Fixture** *(26 53)*		
26 53 00 00-0033	EA	Removal And Reinstall Of Exit Light Fixtures	68.62	
		Note: Includes storage and cleaning.		
26 53 00 00-0034		**Exit Sign Accessories** *(26 53)*		
26 53 00 00-0035	EA	Polycarbonate Vandal Shield For Exit Signs	76.19	9.16
26 53 00 00-0036	EA	Wire Guard For Exit Signs Or Emergency Lights	46.27	9.16
26 53 00 00-0037	EA	Wire Guard For Combination Exit Sign And Emergency Light	70.56	7.33
26 53 00 00-0038	EA	Replacement Battery For Exit Signs	77.25	11.45

26 55 Special Purpose Lighting *(26 50)*

26 55 61 Theatrical Lighting *(26 55)*

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0001		**Stage Lighting** *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	399.07	111.25
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	399.07	111.25
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	399.07	111.25
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	410.23	111.25
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	294.25	111.25
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	455.55	111.25
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,284.21	111.25
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,538.10	111.25
26 55 61 00-0010	EA	PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	254.59	111.25
26 55 61 00-0011	EA	6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	771.23	111.25
26 55 68		**Athletic Field Lighting** *(26 55)*		
26 55 68 00-0001		**Sports Lighting System** *(26 55 68)* Note: Musco.		
26 55 68 00-0002		**Round Steel Tapered Poles** *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,494.26	487.27
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,002.41	588.78
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,373.61	639.54
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,674.37	664.92
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,547.97	690.30
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,241.02	842.58
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,627.00	893.34
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,392.16	1,015.15
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,252.82	1,142.04
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,015.38	1,257.81
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,757.00	1,405.79
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,566.91	1,578.43
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,786.55	1,899.05
26 55 68 00-0016		**Steel Pole Brackets** *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	365.87	50.76
26 55 68 00-0018	EA	Three Light Bracket	461.57	71.06
26 55 68 00-0019	EA	Four Light Bracket	661.37	86.29
26 55 68 00-0020	EA	Five Light Bracket	755.05	101.51
26 55 68 00-0021	EA	Six Light Bracket	914.39	116.75
26 55 68 00-0022	EA	Seven Light Bracket	1,046.93	131.97
26 55 68 00-0023	EA	Eight Light Bracket	1,196.27	152.27
26 55 68 00-0024	EA	Nine Light Bracket	1,350.70	167.50
26 55 68 00-0025		**Light Fixtures** *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,590.57	
		For 1,500 Watt Metal Halide Lamp, Add	*8.32*	
26 55 68 00-0027		**Electrical Component Enclosure** *(26 55 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	588.55	59.47
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	884.28	91.50
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,013.61	114.37
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	1,308.13	128.10
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	1,468.76	137.25
26 55 68 00-0033		**Accessories** *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	659.63	183.27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	1,245.83	183.27
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	1,480.31	183.27
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	6,961.58	549.81
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	769.19	91.50
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	952.18	182.99

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles And Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*
See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*
Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,170.60	304.54
		For Galvanized Finish, Add	*76.85*	
		For >10 To 20, Deduct	*-79.27*	
		For >20 To 40, Deduct	*-158.53*	
		For >40, Deduct	*-253.02*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,176.93	304.54
		For Galvanized Finish, Add	*77.04*	
		For >10 To 20, Deduct	*-79.42*	
		For >20 To 40, Deduct	*-158.85*	
		For >40, Deduct	*-253.50*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,417.47	406.06
		For Galvanized Finish, Add	*78.16*	
		For >10 To 20, Deduct	*-85.44*	
		For >20 To 40, Deduct	*-170.87*	
		For >40, Deduct	*-276.61*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,493.60	406.06
		For Galvanized Finish, Add	*80.44*	
		For >10 To 20, Deduct	*-87.34*	
		For >20 To 40, Deduct	*-174.68*	
		For >40, Deduct	*-282.32*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,569.72	406.06
		For Galvanized Finish, Add	*82.73*	
		For >10 To 20, Deduct	*-89.24*	
		For >20 To 40, Deduct	*-178.49*	
		For >40, Deduct	*-288.03*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,687.29	456.81
		For Galvanized Finish, Add	*83.21*	
		For >10 To 20, Deduct	*-92.18*	
		For >20 To 40, Deduct	*-184.36*	
		For >40, Deduct	*-299.39*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,723.39	456.81
		For Galvanized Finish, Add	*84.29*	
		For >10 To 20, Deduct	*-93.08*	
		For >20 To 40, Deduct	*-186.17*	
		For >40, Deduct	*-302.10*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,730.26	456.81
		For Galvanized Finish, Add	*84.50*	
		For >10 To 20, Deduct	*-93.26*	
		For >20 To 40, Deduct	*-186.51*	
		For >40, Deduct	*-302.61*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,909.17	482.20
		For Galvanized Finish, Add	*88.34*	
		For >10 To 20, Deduct	*-97.73*	
		For >20 To 40, Deduct	*-195.46*	
		For >40, Deduct	*-317.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,936.44	482.20
		For Galvanized Finish, Add	*89.16*	
		For >10 To 20, Deduct	*-98.41*	
		For >20 To 40, Deduct	*-196.82*	
		For >40, Deduct	*-319.34*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,966.21	482.20
		For Galvanized Finish, Add	*90.05*	
		For >10 To 20, Deduct	*-99.16*	
		For >20 To 40, Deduct	*-198.31*	
		For >40, Deduct	*-321.58*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,550.29	507.57
		For Galvanized Finish, Add	*106.05*	
		For >10 To 20, Deduct	*-113.76*	
		For >20 To 40, Deduct	*-227.51*	
		For >40, Deduct	*-366.65*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,560.00	507.57
		For Galvanized Finish, Add	*106.35*	
		For >10 To 20, Deduct	*-114.00*	
		For >20 To 40, Deduct	*-228.00*	
		For >40, Deduct	*-367.38*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,569.60	507.57
		For Galvanized Finish, Add	*106.63*	
		For >10 To 20, Deduct	*-114.24*	
		For >20 To 40, Deduct	*-228.48*	
		For >40, Deduct	*-368.10*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,963.05	355.30
		For Galvanized Finish, Add	*97.57*	
		For >10 To 20, Deduct	*-99.08*	
		For >20 To 40, Deduct	*-198.15*	
		For >40, Deduct	*-314.99*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,029.11	367.99
		For Galvanized Finish, Add	*98.79*	
		For >10 To 20, Deduct	*-100.73*	
		For >20 To 40, Deduct	*-201.46*	
		For >40, Deduct	*-320.58*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,085.13	380.68
		For Galvanized Finish, Add	*99.71*	
		For >10 To 20, Deduct	*-102.13*	
		For >20 To 40, Deduct	*-204.26*	
		For >40, Deduct	*-325.42*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,902.36	456.81
		For Galvanized Finish, Add	*89.66*	
		For >10 To 20, Deduct	*-97.56*	
		For >20 To 40, Deduct	*-195.12*	
		For >40, Deduct	*-315.52*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,943.88	469.51
		For Galvanized Finish, Add	*90.15*	
		For >10 To 20, Deduct	*-98.60*	
		For >20 To 40, Deduct	*-197.19*	
		For >40, Deduct	*-319.27*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,975.81	482.20
		For Galvanized Finish, Add	*90.34*	
		For >10 To 20, Deduct	*-99.40*	
		For >20 To 40, Deduct	*-198.79*	
		For >40, Deduct	*-322.30*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,203.25	507.57
		For Galvanized Finish, Add	*95.64*	
		For >10 To 20, Deduct	*-105.08*	
		For >20 To 40, Deduct	*-210.16*	
		For >40, Deduct	*-340.62*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,238.44	520.26
		For Galvanized Finish, Add	*95.94*	
		For >10 To 20, Deduct	*-105.96*	
		For >20 To 40, Deduct	*-211.92*	
		For >40, Deduct	*-343.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,270.04	532.95
		For Galvanized Finish, Add	*96.12*	
		For >10 To 20, Deduct	*-106.75*	
		For >20 To 40, Deduct	*-213.50*	
		For >40, Deduct	*-346.90*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,462.87	532.95
		For Galvanized Finish, Add	*101.91*	
		For >10 To 20, Deduct	*-111.57*	
		For >20 To 40, Deduct	*-223.14*	
		For >40, Deduct	*-361.36*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,530.45	545.65
		For Galvanized Finish, Add	*103.18*	
		For >10 To 20, Deduct	*-113.26*	
		For >20 To 40, Deduct	*-226.52*	
		For >40, Deduct	*-367.07*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,595.86	558.33
		For Galvanized Finish, Add	*104.38*	
		For >10 To 20, Deduct	*-114.90*	
		For >20 To 40, Deduct	*-229.79*	
		For >40, Deduct	*-372.61*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,066.48	558.33
		For Galvanized Finish, Add	*118.49*	
		For >10 To 20, Deduct	*-126.66*	
		For >20 To 40, Deduct	*-253.32*	
		For >40, Deduct	*-407.90*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,098.18	571.02
		For Galvanized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-127.45*	
		For >20 To 40, Deduct	*-254.91*	
		For >40, Deduct	*-410.91*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,130.10	583.71
		For Galvanized Finish, Add	*118.88*	
		For >10 To 20, Deduct	*-128.25*	
		For >20 To 40, Deduct	*-256.51*	
		For >40, Deduct	*-413.94*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,601.77	507.57
		For Galvanized Finish, Add	*107.60*	
		For >10 To 20, Deduct	*-115.04*	
		For >20 To 40, Deduct	*-230.09*	
		For >40, Deduct	*-370.51*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,658.97	532.95
		For Galvanized Finish, Add	*107.79*	
		For >10 To 20, Deduct	*-116.47*	
		For >20 To 40, Deduct	*-232.95*	
		For >40, Deduct	*-376.07*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,725.76	558.33
		For Galvanized Finish, Add	*108.27*	
		For >10 To 20, Deduct	*-118.14*	
		For >20 To 40, Deduct	*-236.29*	
		For >40, Deduct	*-382.35*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,864.05	558.33
		For Galvanized Finish, Add	*112.42*	
		For >10 To 20, Deduct	*-121.60*	
		For >20 To 40, Deduct	*-243.20*	
		For >40, Deduct	*-392.72*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,924.29	583.71
		For Galvanized Finish, Add	*112.71*	
		For >10 To 20, Deduct	*-123.11*	
		For >20 To 40, Deduct	*-246.21*	
		For >40, Deduct	*-398.51*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,981.49	609.09
		For Galvanized Finish, Add	*112.90*	
		For >10 To 20, Deduct	*-124.54*	
		For >20 To 40, Deduct	*-249.07*	
		For >40, Deduct	*-404.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,178.09	583.71
		For Galvanized Finish, Add	*120.32*	
		For >10 To 20, Deduct	*-129.45*	
		For >20 To 40, Deduct	*-258.90*	
		For >40, Deduct	*-417.54*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,235.28	609.09
		For Galvanized Finish, Add	*120.51*	
		For >10 To 20, Deduct	*-130.88*	
		For >20 To 40, Deduct	*-261.76*	
		For >40, Deduct	*-423.10*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,292.48	634.47
		For Galvanized Finish, Add	*120.71*	
		For >10 To 20, Deduct	*-132.31*	
		For >20 To 40, Deduct	*-264.62*	
		For >40, Deduct	*-428.66*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,582.66	609.09
		For Galvanized Finish, Add	*130.93*	
		For >10 To 20, Deduct	*-139.57*	
		For >20 To 40, Deduct	*-279.13*	
		For >40, Deduct	*-449.15*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,639.53	634.47
		For Galvanized Finish, Add	*131.12*	
		For >10 To 20, Deduct	*-140.99*	
		For >20 To 40, Deduct	*-281.98*	
		For >40, Deduct	*-454.69*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,703.15	659.84
		For Galvanized Finish, Add	*131.50*	
		For >10 To 20, Deduct	*-142.58*	
		For >20 To 40, Deduct	*-285.16*	
		For >40, Deduct	*-460.73*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,121.12	558.33
		For Galvanized Finish, Add	*120.13*	
		For >10 To 20, Deduct	*-128.03*	
		For >20 To 40, Deduct	*-256.06*	
		For >40, Deduct	*-412.00*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,206.85	596.40
		For Galvanized Finish, Add	*120.42*	
		For >10 To 20, Deduct	*-130.17*	
		For >20 To 40, Deduct	*-260.34*	
		For >40, Deduct	*-420.33*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,289.32	634.47
		For Galvanized Finish, Add	*120.61*	
		For >10 To 20, Deduct	*-132.23*	
		For >20 To 40, Deduct	*-264.47*	
		For >40, Deduct	*-428.42*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,422.77	609.09
		For Galvanized Finish, Add	*126.14*	
		For >10 To 20, Deduct	*-135.57*	
		For >20 To 40, Deduct	*-271.14*	
		For >40, Deduct	*-437.16*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,505.66	647.16
		For Galvanized Finish, Add	*126.34*	
		For >10 To 20, Deduct	*-137.64*	
		For >20 To 40, Deduct	*-275.28*	
		For >40, Deduct	*-445.28*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,551.48	685.23
		For Galvanized Finish, Add	*125.43*	
		For >10 To 20, Deduct	*-138.79*	
		For >20 To 40, Deduct	*-277.57*	
		For >40, Deduct	*-450.62*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,838.79	634.47
		For Galvanized Finish, Add	*137.10*	
		For >10 To 20, Deduct	*-145.97*	
		For >20 To 40, Deduct	*-291.94*	
		For >40, Deduct	*-469.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,965.09	672.53
		For Galvanized Finish, Add	*138.60*	
		For >10 To 20, Deduct	*-149.13*	
		For >20 To 40, Deduct	*-298.25*	
		For >40, Deduct	*-481.01*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,007.31	710.60
		For Galvanized Finish, Add	*137.58*	
		For >10 To 20, Deduct	*-150.18*	
		For >20 To 40, Deduct	*-300.37*	
		For >40, Deduct	*-486.08*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,098.51	659.84
		For Galvanized Finish, Add	*143.36*	
		For >10 To 20, Deduct	*-152.46*	
		For >20 To 40, Deduct	*-304.93*	
		For >40, Deduct	*-490.38*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,180.97	697.92
		For Galvanized Finish, Add	*143.55*	
		For >10 To 20, Deduct	*-154.52*	
		For >20 To 40, Deduct	*-309.05*	
		For >40, Deduct	*-498.47*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,266.71	735.98
		For Galvanized Finish, Add	*143.84*	
		For >10 To 20, Deduct	*-156.67*	
		For >20 To 40, Deduct	*-313.34*	
		For >40, Deduct	*-506.80*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,653.05	406.06
		For Galvanized Finish, Add	*85.23*	
		For >10 To 20, Deduct	*-91.33*	
		For >20 To 40, Deduct	*-182.65*	
		For >40, Deduct	*-294.28*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,135.33	456.81
		For Galvanized Finish, Add	*96.65*	
		For >10 To 20, Deduct	*-103.38*	
		For >20 To 40, Deduct	*-206.77*	
		For >40, Deduct	*-332.99*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,239.09	482.20
		For Galvanized Finish, Add	*98.24*	
		For >10 To 20, Deduct	*-105.98*	
		For >20 To 40, Deduct	*-211.95*	
		For >40, Deduct	*-342.04*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,103.04	507.57
		For Galvanized Finish, Add	*122.64*	
		For >10 To 20, Deduct	*-127.58*	
		For >20 To 40, Deduct	*-255.15*	
		For >40, Deduct	*-408.11*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,790.28	406.06
		For Galvanized Finish, Add	*119.35*	
		For >10 To 20, Deduct	*-119.76*	
		For >20 To 40, Deduct	*-239.51*	
		For >40, Deduct	*-379.57*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,839.03	406.06
		For Galvanized Finish, Add	*120.81*	
		For >10 To 20, Deduct	*-120.98*	
		For >20 To 40, Deduct	*-241.95*	
		For >40, Deduct	*-383.23*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,861.28	406.06
		For Galvanized Finish, Add	*121.48*	
		For >10 To 20, Deduct	*-121.53*	
		For >20 To 40, Deduct	*-243.06*	
		For >40, Deduct	*-384.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,940.56	456.81
		For Galvanized Finish, Add	*120.81*	
		For >10 To 20, Deduct	*-123.51*	
		For >20 To 40, Deduct	*-247.03*	
		For >40, Deduct	*-393.38*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,949.07	456.81
		For Galvanized Finish, Add	*121.06*	
		For >10 To 20, Deduct	*-123.73*	
		For >20 To 40, Deduct	*-247.45*	
		For >40, Deduct	*-394.02*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,036.97	456.81
		For Galvanized Finish, Add	*123.70*	
		For >10 To 20, Deduct	*-125.92*	
		For >20 To 40, Deduct	*-251.85*	
		For >40, Deduct	*-400.61*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,020.22	482.20
		For Galvanized Finish, Add	*121.67*	
		For >10 To 20, Deduct	*-125.51*	
		For >20 To 40, Deduct	*-251.01*	
		For >40, Deduct	*-400.63*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,071.70	482.20
		For Galvanized Finish, Add	*123.22*	
		For >10 To 20, Deduct	*-126.79*	
		For >20 To 40, Deduct	*-253.59*	
		For >40, Deduct	*-404.49*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,341.64	482.20
		For Galvanized Finish, Add	*131.32*	
		For >10 To 20, Deduct	*-133.54*	
		For >20 To 40, Deduct	*-267.08*	
		For >40, Deduct	*-424.73*	
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,290.33	507.57
		For Galvanized Finish, Add	*158.26*	
		For >10 To 20, Deduct	*-157.26*	
		For >20 To 40, Deduct	*-314.52*	
		For >40, Deduct	*-497.15*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,387.77	532.95
		For Galvanized Finish, Add	*159.66*	
		For >10 To 20, Deduct	*-159.69*	
		For >20 To 40, Deduct	*-319.39*	
		For >40, Deduct	*-505.73*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,621.76	558.33
		For Galvanized Finish, Add	*165.15*	
		For >10 To 20, Deduct	*-165.54*	
		For >20 To 40, Deduct	*-331.09*	
		For >40, Deduct	*-524.55*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,364.80	558.33
		For Galvanized Finish, Add	*157.44*	
		For >10 To 20, Deduct	*-159.12*	
		For >20 To 40, Deduct	*-318.24*	
		For >40, Deduct	*-505.28*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,656.69	583.71
		For Galvanized Finish, Add	*164.68*	
		For >10 To 20, Deduct	*-166.42*	
		For >20 To 40, Deduct	*-332.83*	
		For >40, Deduct	*-528.44*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,826.12	609.09
		For Galvanized Finish, Add	*168.24*	
		For >10 To 20, Deduct	*-170.65*	
		For >20 To 40, Deduct	*-341.31*	
		For >40, Deduct	*-542.41*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,550.24	583.71
		For Galvanized Finish, Add	*161.48*	
		For >10 To 20, Deduct	*-163.76*	
		For >20 To 40, Deduct	*-327.51*	
		For >40, Deduct	*-520.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,945.00	609.09
		For Galvanized Finish, Add	*171.80*	
		For >10 To 20, Deduct	*-173.63*	
		For >20 To 40, Deduct	*-347.25*	
		For >40, Deduct	*-551.33*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,172.44	634.47
		For Galvanized Finish, Add	*177.11*	
		For >10 To 20, Deduct	*-179.31*	
		For >20 To 40, Deduct	*-358.62*	
		For >40, Deduct	*-569.66*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,973.63	304.54
		For >10 To 20, Deduct	*-74.34*	
		For >20 To 40, Deduct	*-148.68*	
		For >40, Deduct	*-238.25*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,002.25	304.54
		For >10 To 20, Deduct	*-75.06*	
		For >20 To 40, Deduct	*-150.11*	
		For >40, Deduct	*-240.40*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,608.71	406.06
		For >10 To 20, Deduct	*-90.22*	
		For >20 To 40, Deduct	*-180.44*	
		For >40, Deduct	*-290.96*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,662.79	406.06
		For >10 To 20, Deduct	*-91.57*	
		For >20 To 40, Deduct	*-183.14*	
		For >40, Deduct	*-295.01*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,712.53	406.06
		For >10 To 20, Deduct	*-92.81*	
		For >20 To 40, Deduct	*-185.63*	
		For >40, Deduct	*-298.74*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,152.74	456.81
		For >10 To 20, Deduct	*-103.82*	
		For >20 To 40, Deduct	*-207.64*	
		For >40, Deduct	*-334.30*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,198.38	456.81
		For >10 To 20, Deduct	*-104.96*	
		For >20 To 40, Deduct	*-209.92*	
		For >40, Deduct	*-337.72*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,249.41	456.81
		For >10 To 20, Deduct	*-106.24*	
		For >20 To 40, Deduct	*-212.47*	
		For >40, Deduct	*-341.55*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,925.44	482.20
		For >10 To 20, Deduct	*-123.14*	
		For >20 To 40, Deduct	*-246.27*	
		For >40, Deduct	*-393.52*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,970.96	482.20
		For >10 To 20, Deduct	*-124.27*	
		For >20 To 40, Deduct	*-248.55*	
		For >40, Deduct	*-396.93*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	5,009.08	482.20
		For >10 To 20, Deduct	*-125.23*	
		For >20 To 40, Deduct	*-250.45*	
		For >40, Deduct	*-399.79*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,400.09	355.30
		For >10 To 20, Deduct	*-85.00*	
		For >20 To 40, Deduct	*-170.00*	
		For >40, Deduct	*-272.77*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,680.59	355.30
		For >10 To 20, Deduct	*-92.01*	
		For >20 To 40, Deduct	*-184.03*	
		For >40, Deduct	*-293.81*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,786.02	380.68
		For >10 To 20, Deduct	*-94.65*	
		For >20 To 40, Deduct	*-189.30*	
		For >40, Deduct	*-302.99*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,019.83	456.81
		For >10 To 20, Deduct	*-100.50*	
		For >20 To 40, Deduct	*-200.99*	
		For >40, Deduct	*-324.33*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,223.75	469.51
		For >10 To 20, Deduct	*-105.59*	
		For >20 To 40, Deduct	*-211.19*	
		For >40, Deduct	*-340.26*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,524.23	482.20
		For >10 To 20, Deduct	*-113.11*	
		For >20 To 40, Deduct	*-226.21*	
		For >40, Deduct	*-363.43*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,662.15	507.57
		For >10 To 20, Deduct	*-116.55*	
		For >20 To 40, Deduct	*-233.11*	
		For >40, Deduct	*-375.04*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,853.17	520.26
		For >10 To 20, Deduct	*-121.33*	
		For >20 To 40, Deduct	*-242.66*	
		For >40, Deduct	*-390.00*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,089.48	532.95
		For >10 To 20, Deduct	*-127.24*	
		For >20 To 40, Deduct	*-254.47*	
		For >40, Deduct	*-408.36*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,337.59	532.95
		For >10 To 20, Deduct	*-133.44*	
		For >20 To 40, Deduct	*-266.88*	
		For >40, Deduct	*-426.97*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,879.37	545.65
		For >10 To 20, Deduct	*-146.98*	
		For >20 To 40, Deduct	*-293.97*	
		For >40, Deduct	*-468.23*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	6,511.85	558.33
		For >10 To 20, Deduct	*-162.80*	
		For >20 To 40, Deduct	*-325.59*	
		For >40, Deduct	*-516.31*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,953.14	406.06
		For >10 To 20, Deduct	*-98.83*	
		For >20 To 40, Deduct	*-197.66*	
		For >40, Deduct	*-316.79*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,230.79	431.44
		For >10 To 20, Deduct	*-105.77*	
		For >20 To 40, Deduct	*-211.54*	
		For >40, Deduct	*-338.88*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,791.31	507.57
		For >10 To 20, Deduct	*-119.78*	
		For >20 To 40, Deduct	*-239.57*	
		For >40, Deduct	*-384.73*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,992.11	532.95
		For >10 To 20, Deduct	*-124.80*	
		For >20 To 40, Deduct	*-249.61*	
		For >40, Deduct	*-401.06*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,227.87	558.33
		For >10 To 20, Deduct	*-130.70*	
		For >20 To 40, Deduct	*-261.39*	
		For >40, Deduct	*-420.01*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,407.78	583.71
		For >10 To 20, Deduct	*-135.19*	
		For >20 To 40, Deduct	*-270.39*	
		For >40, Deduct	*-434.77*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,676.42	583.71
		For >10 To 20, Deduct	*-141.91*	
		For >20 To 40, Deduct	*-283.82*	
		For >40, Deduct	*-454.92*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,203.94	609.09
		For >10 To 20, Deduct	*-155.10*	
		For >20 To 40, Deduct	*-310.20*	
		For >40, Deduct	*-495.75*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,590.03	634.47
		For >10 To 20, Deduct	*-164.75*	
		For >20 To 40, Deduct	*-329.50*	
		For >40, Deduct	*-525.98*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,053.96	456.81
		For >10 To 20, Deduct	*-101.35*	
		For >20 To 40, Deduct	*-202.70*	
		For >40, Deduct	*-326.89*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,225.71	456.81
		For >10 To 20, Deduct	*-105.64*	
		For >20 To 40, Deduct	*-211.29*	
		For >40, Deduct	*-339.77*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,238.54	558.33
		For >10 To 20, Deduct	*-130.96*	
		For >20 To 40, Deduct	*-261.93*	
		For >40, Deduct	*-420.81*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,680.81	596.40
		For >10 To 20, Deduct	*-142.02*	
		For >20 To 40, Deduct	*-284.04*	
		For >40, Deduct	*-455.88*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,940.11	609.09
		For >10 To 20, Deduct	*-148.50*	
		For >20 To 40, Deduct	*-297.01*	
		For >40, Deduct	*-475.96*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,344.36	647.16
		For >10 To 20, Deduct	*-158.61*	
		For >20 To 40, Deduct	*-317.22*	
		For >40, Deduct	*-508.18*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,263.15	634.47
		For >10 To 20, Deduct	*-156.58*	
		For >20 To 40, Deduct	*-313.16*	
		For >40, Deduct	*-501.46*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	7,180.05	672.53
		For >10 To 20, Deduct	*-179.50*	
		For >20 To 40, Deduct	*-359.00*	
		For >40, Deduct	*-572.13*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,985.64	710.60
		For >10 To 20, Deduct	*-199.64*	
		For >20 To 40, Deduct	*-399.28*	
		For >40, Deduct	*-634.45*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,403.38	406.06
		For >10 To 20, Deduct	*-110.08*	
		For >20 To 40, Deduct	*-220.17*	
		For >40, Deduct	*-350.56*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,441.63	406.06
		For >10 To 20, Deduct	*-111.04*	
		For >20 To 40, Deduct	*-222.08*	
		For >40, Deduct	*-353.43*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,539.35	406.06
		For >10 To 20, Deduct	*-113.48*	
		For >20 To 40, Deduct	*-226.97*	
		For >40, Deduct	*-360.75*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,685.99	406.06
		For >10 To 20, Deduct	*-117.15*	
		For >20 To 40, Deduct	*-234.30*	
		For >40, Deduct	*-371.75*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,958.32	456.81
		For >10 To 20, Deduct	*-123.96*	
		For >20 To 40, Deduct	*-247.92*	
		For >40, Deduct	*-394.72*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,044.55	456.81
		For >10 To 20, Deduct	*-126.11*	
		For >20 To 40, Deduct	*-252.23*	
		For >40, Deduct	*-401.18*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,136.52	456.81
		For >10 To 20, Deduct	*-128.41*	
		For >20 To 40, Deduct	*-256.83*	
		For >40, Deduct	*-408.08*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,691.29	456.81
		For >10 To 20, Deduct	*-142.28*	
		For >20 To 40, Deduct	*-284.56*	
		For >40, Deduct	*-449.69*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	5,403.60	482.20
		For >10 To 20, Deduct	*-135.09*	
		For >20 To 40, Deduct	*-270.18*	
		For >40, Deduct	*-429.38*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	6,115.45	482.20
		For >10 To 20, Deduct	*-152.89*	
		For >20 To 40, Deduct	*-305.77*	
		For >40, Deduct	*-482.77*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	6,184.78	482.20
		For >10 To 20, Deduct	*-154.62*	
		For >20 To 40, Deduct	*-309.24*	
		For >40, Deduct	*-487.97*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,624.94	482.20
		For >10 To 20, Deduct	*-165.62*	
		For >20 To 40, Deduct	*-331.25*	
		For >40, Deduct	*-520.98*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	7,026.38	482.20
		For >10 To 20, Deduct	*-175.66*	
		For >20 To 40, Deduct	*-351.32*	
		For >40, Deduct	*-551.09*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,737.08	507.57
		For >10 To 20, Deduct	*-143.43*	
		For >20 To 40, Deduct	*-286.85*	
		For >40, Deduct	*-455.66*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,885.56	532.95
		For >10 To 20, Deduct	*-147.14*	
		For >20 To 40, Deduct	*-294.28*	
		For >40, Deduct	*-468.06*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,999.20	558.33
		For >10 To 20, Deduct	*-149.98*	
		For >20 To 40, Deduct	*-299.96*	
		For >40, Deduct	*-477.86*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,166.72	558.33
		For >10 To 20, Deduct	*-154.17*	
		For >20 To 40, Deduct	*-308.34*	
		For >40, Deduct	*-490.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,726.84	583.71
		For >10 To 20, Deduct	*-168.17*	
		For >20 To 40, Deduct	*-336.34*	
		For >40, Deduct	*-533.70*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,782.61	609.09
		For >10 To 20, Deduct	*-194.57*	
		For >20 To 40, Deduct	*-389.13*	
		For >40, Deduct	*-614.15*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,532.89	583.71
		For >10 To 20, Deduct	*-188.32*	
		For >20 To 40, Deduct	*-376.64*	
		For >40, Deduct	*-594.15*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,665.53	609.09
		For >10 To 20, Deduct	*-191.64*	
		For >20 To 40, Deduct	*-383.28*	
		For >40, Deduct	*-605.37*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	9,434.91	634.47
		For >10 To 20, Deduct	*-235.87*	
		For >20 To 40, Deduct	*-471.75*	
		For >40, Deduct	*-739.34*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,642.07	304.54
		For >10 To 20, Deduct	*-91.05*	
		For >20 To 40, Deduct	*-182.10*	
		For >40, Deduct	*-288.38*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,750.12	304.54
		For >10 To 20, Deduct	*-93.75*	
		For >20 To 40, Deduct	*-187.51*	
		For >40, Deduct	*-296.49*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,858.40	304.54
		For >10 To 20, Deduct	*-96.46*	
		For >20 To 40, Deduct	*-192.92*	
		For >40, Deduct	*-304.61*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,286.89	406.06
		For >10 To 20, Deduct	*-107.17*	
		For >20 To 40, Deduct	*-214.34*	
		For >40, Deduct	*-341.82*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,369.24	406.06
		For >10 To 20, Deduct	*-109.23*	
		For >20 To 40, Deduct	*-218.46*	
		For >40, Deduct	*-348.00*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,459.22	406.06
		For >10 To 20, Deduct	*-111.48*	
		For >20 To 40, Deduct	*-222.96*	
		For >40, Deduct	*-354.74*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,839.84	456.81
		For >10 To 20, Deduct	*-121.00*	
		For >20 To 40, Deduct	*-241.99*	
		For >40, Deduct	*-385.83*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,951.64	456.81
		For >10 To 20, Deduct	*-123.79*	
		For >20 To 40, Deduct	*-247.58*	
		For >40, Deduct	*-394.21*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,968.41	456.81
		For >10 To 20, Deduct	*-124.21*	
		For >20 To 40, Deduct	*-248.42*	
		For >40, Deduct	*-395.47*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,288.40	482.20
		For >10 To 20, Deduct	*-132.21*	
		For >20 To 40, Deduct	*-264.42*	
		For >40, Deduct	*-420.74*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,337.44	482.20
		For >10 To 20, Deduct	*-133.44*	
		For >20 To 40, Deduct	*-266.87*	
		For >40, Deduct	*-424.42*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0176		EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,452.41	482.20
			For >10 To 20, Deduct	*-136.31*	
			For >20 To 40, Deduct	*-272.62*	
			For >40, Deduct	*-433.04*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

26 56 13 00-0181		EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	806.45	177.65
			For Galvanized Finish, Add	*13.53*	
			For >10 To 20, Deduct	*-26.93*	
			For >20 To 40, Deduct	*-49.35*	
			For >40, Deduct	*-103.20*	
26 56 13 00-0182		EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	882.20	203.03
			For Galvanized Finish, Add	*14.28*	
			For >10 To 20, Deduct	*-29.20*	
			For >20 To 40, Deduct	*-53.63*	
			For >40, Deduct	*-112.03*	
26 56 13 00-0183		EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	986.69	228.41
			For Galvanized Finish, Add	*15.90*	
			For >10 To 20, Deduct	*-32.62*	
			For >20 To 40, Deduct	*-59.93*	
			For >40, Deduct	*-125.16*	
26 56 13 00-0184		EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,093.68	253.79
			For Galvanized Finish, Add	*17.58*	
			For >10 To 20, Deduct	*-36.13*	
			For >20 To 40, Deduct	*-66.41*	
			For >40, Deduct	*-138.67*	
26 56 13 00-0185		EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,169.44	279.17
			For Galvanized Finish, Add	*18.33*	
			For >10 To 20, Deduct	*-38.40*	
			For >20 To 40, Deduct	*-70.69*	
			For >40, Deduct	*-147.50*	
26 56 13 00-0186		EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,238.94	304.54
			For Galvanized Finish, Add	*18.90*	
			For >10 To 20, Deduct	*-40.42*	
			For >20 To 40, Deduct	*-74.54*	
			For >40, Deduct	*-155.39*	
26 56 13 00-0187		EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	838.94	177.65
			For Galvanized Finish, Add	*14.51*	
			For >10 To 20, Deduct	*-28.23*	
			For >20 To 40, Deduct	*-51.62*	
			For >40, Deduct	*-108.08*	
26 56 13 00-0188		EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	915.94	203.03
			For Galvanized Finish, Add	*15.30*	
			For >10 To 20, Deduct	*-30.55*	
			For >20 To 40, Deduct	*-55.99*	
			For >40, Deduct	*-117.09*	
26 56 13 00-0189		EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,054.17	228.41
			For Galvanized Finish, Add	*17.92*	
			For >10 To 20, Deduct	*-35.31*	
			For >20 To 40, Deduct	*-64.66*	
			For >40, Deduct	*-135.29*	
26 56 13 00-0190		EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,137.42	253.79
			For Galvanized Finish, Add	*18.90*	
			For >10 To 20, Deduct	*-37.88*	
			For >20 To 40, Deduct	*-69.47*	
			For >40, Deduct	*-145.23*	
26 56 13 00-0191		EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,216.93	279.17
			For Galvanized Finish, Add	*19.76*	
			For >10 To 20, Deduct	*-40.30*	
			For >20 To 40, Deduct	*-74.02*	
			For >40, Deduct	*-154.62*	
26 56 13 00-0192		EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,283.93	304.54
			For Galvanized Finish, Add	*20.25*	
			For >10 To 20, Deduct	*-42.22*	
			For >20 To 40, Deduct	*-77.69*	
			For >40, Deduct	*-162.14*	
26 56 13 00-0193		EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,533.19	406.06
			For Galvanized Finish, Add	*21.63*	
			For >10 To 20, Deduct	*-49.15*	
			For >20 To 40, Deduct	*-91.08*	
			For >40, Deduct	*-189.37*	
26 56 13 00-0194		EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	838.94	177.65
			For Galvanized Finish, Add	*14.51*	
			For >10 To 20, Deduct	*-28.23*	
			For >20 To 40, Deduct	*-51.62*	
			For >40, Deduct	*-108.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	919.69	203.03
		For Galvanized Finish, Add	*15.41*	
		For >10 To 20, Deduct	*-30.70*	
		For >20 To 40, Deduct	*-56.26*	
		For >40, Deduct	*-117.65*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,074.17	228.41
		For Galvanized Finish, Add	*18.52*	
		For >10 To 20, Deduct	*-36.11*	
		For >20 To 40, Deduct	*-66.06*	
		For >40, Deduct	*-138.29*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,141.17	253.79
		For Galvanized Finish, Add	*19.01*	
		For >10 To 20, Deduct	*-38.03*	
		For >20 To 40, Deduct	*-69.73*	
		For >40, Deduct	*-145.80*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,216.93	279.17
		For Galvanized Finish, Add	*19.76*	
		For >10 To 20, Deduct	*-40.30*	
		For >20 To 40, Deduct	*-74.02*	
		For >40, Deduct	*-154.62*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,283.93	304.54
		For Galvanized Finish, Add	*20.25*	
		For >10 To 20, Deduct	*-42.22*	
		For >20 To 40, Deduct	*-77.69*	
		For >40, Deduct	*-162.14*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,568.18	406.06
		For Galvanized Finish, Add	*22.68*	
		For >10 To 20, Deduct	*-50.55*	
		For >20 To 40, Deduct	*-93.53*	
		For >40, Deduct	*-194.62*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,734.70	456.81
		For Galvanized Finish, Add	*24.63*	
		For >10 To 20, Deduct	*-55.68*	
		For >20 To 40, Deduct	*-103.16*	
		For >40, Deduct	*-214.52*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,363.91	304.54
		For Galvanized Finish, Add	*22.64*	
		For >10 To 20, Deduct	*-45.42*	
		For >20 To 40, Deduct	*-83.29*	
		For >40, Deduct	*-174.13*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,584.43	406.06
		For Galvanized Finish, Add	*23.17*	
		For >10 To 20, Deduct	*-51.20*	
		For >20 To 40, Deduct	*-94.67*	
		For >40, Deduct	*-197.06*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,765.94	456.81
		For Galvanized Finish, Add	*25.57*	
		For >10 To 20, Deduct	*-56.93*	
		For >20 To 40, Deduct	*-105.34*	
		For >40, Deduct	*-219.21*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,646.35	304.54
		For Galvanized Finish, Add	*31.12*	
		For >10 To 20, Deduct	*-56.72*	
		For >20 To 40, Deduct	*-103.06*	
		For >40, Deduct	*-216.50*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,685.09	304.54
		For Galvanized Finish, Add	*32.28*	
		For >10 To 20, Deduct	*-58.27*	
		For >20 To 40, Deduct	*-105.77*	
		For >40, Deduct	*-222.31*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,973.09	406.06
		For Galvanized Finish, Add	*34.83*	
		For >10 To 20, Deduct	*-66.74*	
		For >20 To 40, Deduct	*-121.87*	
		For >40, Deduct	*-255.36*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,053.07	406.06
		For Galvanized Finish, Add	*37.23*	
		For >10 To 20, Deduct	*-69.94*	
		For >20 To 40, Deduct	*-127.47*	
		For >40, Deduct	*-267.36*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,199.59	456.81
		For Galvanized Finish, Add	*38.58*	
		For >10 To 20, Deduct	*-74.28*	
		For >20 To 40, Deduct	*-135.70*	
		For >40, Deduct	*-284.26*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,333.31	456.81
		For Galvanized Finish, Add	*42.59*	
		For >10 To 20, Deduct	*-79.63*	
		For >20 To 40, Deduct	*-145.06*	
		For >40, Deduct	*-304.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,411.56	482.20
		For Galvanized Finish, Add	*43.41*	
		For >10 To 20, Deduct	*-82.00*	
		For >20 To 40, Deduct	*-149.52*	
		For >40, Deduct	*-313.51*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,494.04	482.20
		For Galvanized Finish, Add	*45.89*	
		For >10 To 20, Deduct	*-85.30*	
		For >20 To 40, Deduct	*-155.29*	
		For >40, Deduct	*-325.89*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,691.50	482.20
		For Galvanized Finish, Add	*51.81*	
		For >10 To 20, Deduct	*-93.19*	
		For >20 To 40, Deduct	*-169.12*	
		For >40, Deduct	*-355.51*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,727.25	507.57
		For Galvanized Finish, Add	*51.36*	
		For >10 To 20, Deduct	*-93.86*	
		For >20 To 40, Deduct	*-170.60*	
		For >40, Deduct	*-358.33*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,762.24	507.57
		For Galvanized Finish, Add	*52.41*	
		For >10 To 20, Deduct	*-95.26*	
		For >20 To 40, Deduct	*-173.05*	
		For >40, Deduct	*-363.58*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,740.38	659.84
		For Galvanized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-129.82*	
		For >20 To 40, Deduct	*-235.43*	
		For >40, Deduct	*-495.07*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,935.91	761.36
		For Galvanized Finish, Add	*72.40*	
		For >10 To 20, Deduct	*-134.60*	
		For >20 To 40, Deduct	*-245.06*	
		For >40, Deduct	*-514.25*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,595.45	406.06
		For Galvanized Finish, Add	*53.50*	
		For >10 To 20, Deduct	*-91.64*	
		For >20 To 40, Deduct	*-165.44*	
		For >40, Deduct	*-348.71*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,944.42	456.81
		For Galvanized Finish, Add	*60.92*	
		For >10 To 20, Deduct	*-104.07*	
		For >20 To 40, Deduct	*-187.84*	
		For >40, Deduct	*-395.98*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,400.85	507.57
		For Galvanized Finish, Add	*71.57*	
		For >10 To 20, Deduct	*-120.81*	
		For >20 To 40, Deduct	*-217.76*	
		For >40, Deduct	*-459.37*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,130.29	659.84
		For Galvanized Finish, Add	*84.32*	
		For >10 To 20, Deduct	*-145.42*	
		For >20 To 40, Deduct	*-262.73*	
		For >40, Deduct	*-553.56*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,815.71	761.36
		For Galvanized Finish, Add	*98.79*	
		For >10 To 20, Deduct	*-169.79*	
		For >20 To 40, Deduct	*-306.65*	
		For >40, Deduct	*-646.22*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,324.34	761.36
		For Galvanized Finish, Add	*114.05*	
		For >10 To 20, Deduct	*-190.13*	
		For >20 To 40, Deduct	*-342.25*	
		For >40, Deduct	*-722.52*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,023.94	761.36
		For Galvanized Finish, Add	*165.04*	
		For >10 To 20, Deduct	*-258.12*	
		For >20 To 40, Deduct	*-461.22*	
		For >40, Deduct	*-977.46*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,848.75	761.36
		For Galvanized Finish, Add	*189.78*	
		For >10 To 20, Deduct	*-291.11*	
		For >20 To 40, Deduct	*-518.96*	
		For >40, Deduct	*-1,101.18*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	796.45	177.65
		For Galvanized Finish, Add	*13.23*	
		For >10 To 20, Deduct	*-26.53*	
		For >20 To 40, Deduct	*-48.65*	
		For >40, Deduct	*-101.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	847.21	203.03
		For Galvanized Finish, Add	*13.23*	
		For >10 To 20, Deduct	*-27.80*	
		For >20 To 40, Deduct	*-51.18*	
		For >40, Deduct	*-106.78*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	919.20	228.41
		For Galvanized Finish, Add	*13.87*	
		For >10 To 20, Deduct	*-29.92*	
		For >20 To 40, Deduct	*-55.21*	
		For >40, Deduct	*-115.04*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	974.59	241.09
		For Galvanized Finish, Add	*14.77*	
		For >10 To 20, Deduct	*-31.75*	
		For >20 To 40, Deduct	*-58.58*	
		For >40, Deduct	*-122.08*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	999.96	253.79
		For Galvanized Finish, Add	*14.77*	
		For >10 To 20, Deduct	*-32.38*	
		For >20 To 40, Deduct	*-59.85*	
		For >40, Deduct	*-124.62*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,064.46	279.17
		For Galvanized Finish, Add	*15.18*	
		For >10 To 20, Deduct	*-34.20*	
		For >20 To 40, Deduct	*-63.35*	
		For >40, Deduct	*-131.75*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,126.47	304.54
		For Galvanized Finish, Add	*15.52*	
		For >10 To 20, Deduct	*-35.92*	
		For >20 To 40, Deduct	*-66.67*	
		For >40, Deduct	*-138.52*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,404.47	406.06
		For Galvanized Finish, Add	*17.77*	
		For >10 To 20, Deduct	*-44.00*	
		For >20 To 40, Deduct	*-82.07*	
		For >40, Deduct	*-170.07*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,295.18	304.54
		For Galvanized Finish, Add	*20.58*	
		For >10 To 20, Deduct	*-42.67*	
		For >20 To 40, Deduct	*-78.48*	
		For >40, Deduct	*-163.82*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,636.92	406.06
		For Galvanized Finish, Add	*24.74*	
		For >10 To 20, Deduct	*-53.30*	
		For >20 To 40, Deduct	*-98.34*	
		For >40, Deduct	*-204.93*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,874.67	456.81
		For Galvanized Finish, Add	*28.83*	
		For >10 To 20, Deduct	*-61.28*	
		For >20 To 40, Deduct	*-112.95*	
		For >40, Deduct	*-235.52*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,248.94	304.54
		For Galvanized Finish, Add	*19.20*	
		For >10 To 20, Deduct	*-40.82*	
		For >20 To 40, Deduct	*-75.24*	
		For >40, Deduct	*-156.89*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,546.94	406.06
		For Galvanized Finish, Add	*22.04*	
		For >10 To 20, Deduct	*-49.70*	
		For >20 To 40, Deduct	*-92.04*	
		For >40, Deduct	*-191.44*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,797.18	456.81
		For Galvanized Finish, Add	*26.51*	
		For >10 To 20, Deduct	*-58.18*	
		For >20 To 40, Deduct	*-107.53*	
		For >40, Deduct	*-223.90*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,407.65	304.54
		For Galvanized Finish, Add	*23.96*	
		For >10 To 20, Deduct	*-47.17*	
		For >20 To 40, Deduct	*-86.35*	
		For >40, Deduct	*-180.69*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,749.39	406.06
		For Galvanized Finish, Add	*28.12*	
		For >10 To 20, Deduct	*-57.79*	
		For >20 To 40, Deduct	*-106.22*	
		For >40, Deduct	*-221.80*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,980.89	456.81
		For Galvanized Finish, Add	*32.02*	
		For >10 To 20, Deduct	*-65.53*	
		For >20 To 40, Deduct	*-120.39*	
		For >40, Deduct	*-251.45*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,186.62	482.20
		For Galvanized Finish, Add	*36.67*	
		For >10 To 20, Deduct	*-73.00*	
		For >20 To 40, Deduct	*-133.78*	
		For >40, Deduct	*-279.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,227.09	456.81
		For Galvanized Finish, Add	*39.40*	
		For >10 To 20, Deduct	*-75.38*	
		For >20 To 40, Deduct	*-137.62*	
		For >40, Deduct	*-288.38*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,434.06	482.20
		For Galvanized Finish, Add	*44.09*	
		For >10 To 20, Deduct	*-82.90*	
		For >20 To 40, Deduct	*-151.10*	
		For >40, Deduct	*-316.89*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,573.54	507.57
		For Galvanized Finish, Add	*46.75*	
		For >10 To 20, Deduct	*-87.71*	
		For >20 To 40, Deduct	*-159.84*	
		For >40, Deduct	*-335.27*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,681.37	304.54
		For Galvanized Finish, Add	*62.17*	
		For >10 To 20, Deduct	*-98.12*	
		For >20 To 40, Deduct	*-175.51*	
		For >40, Deduct	*-371.75*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,025.29	406.06
		For Galvanized Finish, Add	*66.40*	
		For >10 To 20, Deduct	*-108.83*	
		For >20 To 40, Deduct	*-195.53*	
		For >40, Deduct	*-413.19*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,179.58	456.81
		For Galvanized Finish, Add	*97.98*	
		For >10 To 20, Deduct	*-153.48*	
		For >20 To 40, Deduct	*-274.30*	
		For >40, Deduct	*-581.26*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,731.88	304.54
		For Galvanized Finish, Add	*63.68*	
		For >10 To 20, Deduct	*-100.14*	
		For >20 To 40, Deduct	*-179.05*	
		For >40, Deduct	*-379.33*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,319.05	406.06
		For Galvanized Finish, Add	*75.21*	
		For >10 To 20, Deduct	*-120.58*	
		For >20 To 40, Deduct	*-216.09*	
		For >40, Deduct	*-457.25*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,616.89	456.81
		For Galvanized Finish, Add	*111.10*	
		For >10 To 20, Deduct	*-170.97*	
		For >20 To 40, Deduct	*-304.91*	
		For >40, Deduct	*-646.85*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,277.77	482.20
		For Galvanized Finish, Add	*129.40*	
		For >10 To 20, Deduct	*-196.64*	
		For >20 To 40, Deduct	*-350.16*	
		For >40, Deduct	*-743.45*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,175.25	507.57
		For Galvanized Finish, Add	*154.80*	
		For >10 To 20, Deduct	*-231.78*	
		For >20 To 40, Deduct	*-411.96*	
		For >40, Deduct	*-875.53*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,601.62	304.54
		For Galvanized Finish, Add	*59.78*	
		For >10 To 20, Deduct	*-94.93*	
		For >20 To 40, Deduct	*-169.93*	
		For >40, Deduct	*-359.79*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,897.68	406.06
		For Galvanized Finish, Add	*62.57*	
		For >10 To 20, Deduct	*-103.73*	
		For >20 To 40, Deduct	*-186.60*	
		For >40, Deduct	*-394.05*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,954.93	456.81
		For Galvanized Finish, Add	*91.24*	
		For >10 To 20, Deduct	*-144.49*	
		For >20 To 40, Deduct	*-258.57*	
		For >40, Deduct	*-547.56*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,693.33	304.54
		For Galvanized Finish, Add	*62.53*	
		For >10 To 20, Deduct	*-98.60*	
		For >20 To 40, Deduct	*-176.35*	
		For >40, Deduct	*-373.55*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,199.42	406.06
		For Galvanized Finish, Add	*71.62*	
		For >10 To 20, Deduct	*-115.80*	
		For >20 To 40, Deduct	*-207.72*	
		For >40, Deduct	*-439.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	4,450.74	456.81
		For Galvanized Finish, Add	*106.11*	
		For >10 To 20, Deduct	*-164.33*	
		For >20 To 40, Deduct	*-293.28*	
		For >40, Deduct	*-621.93*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,834.23	304.54
		For Galvanized Finish, Add	*66.75*	
		For >10 To 20, Deduct	*-104.23*	
		For >20 To 40, Deduct	*-186.21*	
		For >40, Deduct	*-394.68*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,453.30	406.06
		For Galvanized Finish, Add	*79.24*	
		For >10 To 20, Deduct	*-125.95*	
		For >20 To 40, Deduct	*-225.49*	
		For >40, Deduct	*-477.39*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,749.82	456.81
		For Galvanized Finish, Add	*115.09*	
		For >10 To 20, Deduct	*-176.29*	
		For >20 To 40, Deduct	*-314.21*	
		For >40, Deduct	*-666.79*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,439.94	482.20
		For Galvanized Finish, Add	*134.27*	
		For >10 To 20, Deduct	*-203.13*	
		For >20 To 40, Deduct	*-361.51*	
		For >40, Deduct	*-767.77*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,261.65	507.57
		For Galvanized Finish, Add	*157.40*	
		For >10 To 20, Deduct	*-235.24*	
		For >20 To 40, Deduct	*-418.01*	
		For >40, Deduct	*-888.49*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,067.50	304.54
		For Galvanized Finish, Add	*43.75*	
		For >10 To 20, Deduct	*-73.56*	
		For >20 To 40, Deduct	*-132.54*	
		For >40, Deduct	*-279.67*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,527.96	406.06
		For Galvanized Finish, Add	*51.48*	
		For >10 To 20, Deduct	*-88.94*	
		For >20 To 40, Deduct	*-160.72*	
		For >40, Deduct	*-338.59*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,815.70	456.81
		For Galvanized Finish, Add	*57.06*	
		For >10 To 20, Deduct	*-98.92*	
		For >20 To 40, Deduct	*-178.83*	
		For >40, Deduct	*-376.67*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,112.65	482.20
		For Galvanized Finish, Add	*64.45*	
		For >10 To 20, Deduct	*-110.04*	
		For >20 To 40, Deduct	*-198.60*	
		For >40, Deduct	*-418.68*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,280.87	507.57
		For Galvanized Finish, Add	*67.97*	
		For >10 To 20, Deduct	*-116.01*	
		For >20 To 40, Deduct	*-209.36*	
		For >40, Deduct	*-441.37*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,628.62	304.54
		For Galvanized Finish, Add	*60.59*	
		For >10 To 20, Deduct	*-96.01*	
		For >20 To 40, Deduct	*-171.82*	
		For >40, Deduct	*-363.84*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,967.86	406.06
		For Galvanized Finish, Add	*64.67*	
		For >10 To 20, Deduct	*-106.53*	
		For >20 To 40, Deduct	*-191.51*	
		For >40, Deduct	*-404.57*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,175.62	456.81
		For Galvanized Finish, Add	*67.86*	
		For >10 To 20, Deduct	*-113.32*	
		For >20 To 40, Deduct	*-204.02*	
		For >40, Deduct	*-430.66*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,505.54	456.81
		For Galvanized Finish, Add	*77.76*	
		For >10 To 20, Deduct	*-126.52*	
		For >20 To 40, Deduct	*-227.12*	
		For >40, Deduct	*-480.15*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,793.74	482.20
		For Galvanized Finish, Add	*84.88*	
		For >10 To 20, Deduct	*-137.28*	
		For >20 To 40, Deduct	*-246.27*	
		For >40, Deduct	*-520.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,202.40	482.20
		For Galvanized Finish, Add	*97.14*	
		For >10 To 20, Deduct	*-153.63*	
		For >20 To 40, Deduct	*-274.88*	
		For >40, Deduct	*-582.14*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,863.24	507.57
		For Galvanized Finish, Add	*85.44*	
		For >10 To 20, Deduct	*-139.30*	
		For >20 To 40, Deduct	*-250.12*	
		For >40, Deduct	*-528.73*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,869.26	507.57
		For Galvanized Finish, Add	*115.62*	
		For >10 To 20, Deduct	*-179.54*	
		For >20 To 40, Deduct	*-320.55*	
		For >40, Deduct	*-679.63*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,591.43	659.84
		For Galvanized Finish, Add	*98.15*	
		For >10 To 20, Deduct	*-163.86*	
		For >20 To 40, Deduct	*-295.01*	
		For >40, Deduct	*-622.73*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,277.52	659.84
		For Galvanized Finish, Add	*118.73*	
		For >10 To 20, Deduct	*-191.31*	
		For >20 To 40, Deduct	*-343.03*	
		For >40, Deduct	*-725.64*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,515.54	761.36
		For Galvanized Finish, Add	*119.78*	
		For >10 To 20, Deduct	*-197.78*	
		For >20 To 40, Deduct	*-355.63*	
		For >40, Deduct	*-751.20*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	44.31
26 56 13 00-0292	EA	Festoon Outlet Provision For Steel Area Light Poles Note: Excludes electrical outlet.	61.35
26 56 13 00-0293	EA	Extra Handhole For Steel Area Light Poles	65.89
26 56 13 00-0294	EA	Vibration Dampener For Steel Area Light Poles	67.03

26 56 13 00-0295 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0298	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	828.78	152.27
		For Bronze Or Satin Anodized Finish, Add	*52.42*	
		For Black Anodized Finish, Add	*104.85*	
		For >10 To 20, Deduct	*-28.58*	
		For >20 To 40, Deduct	*-51.92*	
		For >40, Deduct	*-109.09*	
26 56 13 00-0299	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	906.42	177.65
		For Bronze Or Satin Anodized Finish, Add	*55.11*	
		For Black Anodized Finish, Add	*110.22*	
		For >10 To 20, Deduct	*-30.93*	
		For >20 To 40, Deduct	*-56.34*	
		For >40, Deduct	*-118.20*	
26 56 13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	990.79	203.03
		For Bronze Or Satin Anodized Finish, Add	*58.47*	
		For Black Anodized Finish, Add	*116.95*	
		For >10 To 20, Deduct	*-33.54*	
		For >20 To 40, Deduct	*-61.23*	
		For >40, Deduct	*-128.32*	
26 56 13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,076.49	228.41
		For Bronze Or Satin Anodized Finish, Add	*61.97*	
		For Black Anodized Finish, Add	*123.94*	
		For >10 To 20, Deduct	*-36.21*	
		For >20 To 40, Deduct	*-66.22*	
		For >40, Deduct	*-138.63*	
26 56 13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,124.73	241.09
		For Bronze Or Satin Anodized Finish, Add	*64.25*	
		For Black Anodized Finish, Add	*128.51*	
		For >10 To 20, Deduct	*-37.76*	
		For >20 To 40, Deduct	*-69.09*	
		For >40, Deduct	*-144.60*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,171.60	253.79
		For Bronze Or Satin Anodized Finish, Add	*66.40*	
		For Black Anodized Finish, Add	*132.81*	
		For >10 To 20, Deduct	*-39.25*	
		For >20 To 40, Deduct	*-71.86*	
		For >40, Deduct	*-150.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,252.26	253.79
		For Bronze Or Satin Anodized Finish, Add	*74.47*	
		For Black Anodized Finish, Add	*148.94*	
		For >10 To 20, Deduct	*-42.48*	
		For >20 To 40, Deduct	*-77.51*	
		For >40, Deduct	*-162.46*	
26 56 13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,354.10	279.17
		For Bronze Or Satin Anodized Finish, Add	*79.58*	
		For Black Anodized Finish, Add	*159.15*	
		For >10 To 20, Deduct	*-45.79*	
		For >20 To 40, Deduct	*-83.62*	
		For >40, Deduct	*-175.20*	
26 56 13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,447.87	304.54
		For Bronze Or Satin Anodized Finish, Add	*83.88*	
		For Black Anodized Finish, Add	*167.76*	
		For >10 To 20, Deduct	*-48.78*	
		For >20 To 40, Deduct	*-89.17*	
		For >40, Deduct	*-186.73*	
26 56 13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,421.80	241.09
		For Bronze Or Satin Anodized Finish, Add	*93.96*	
		For Black Anodized Finish, Add	*187.92*	
		For >10 To 20, Deduct	*-49.64*	
		For >20 To 40, Deduct	*-89.88*	
		For >40, Deduct	*-189.16*	
26 56 13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,744.94	304.54
		For Bronze Or Satin Anodized Finish, Add	*113.59*	
		For Black Anodized Finish, Add	*227.17*	
		For >10 To 20, Deduct	*-60.66*	
		For >20 To 40, Deduct	*-109.96*	
		For >40, Deduct	*-231.29*	
26 56 13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,895.49	304.54
		For Bronze Or Satin Anodized Finish, Add	*128.64*	
		For Black Anodized Finish, Add	*257.28*	
		For >10 To 20, Deduct	*-66.68*	
		For >20 To 40, Deduct	*-120.50*	
		For >40, Deduct	*-253.87*	
26 56 13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,239.65	406.06
		For Bronze Or Satin Anodized Finish, Add	*142.75*	
		For Black Anodized Finish, Add	*285.51*	
		For >10 To 20, Deduct	*-77.40*	
		For >20 To 40, Deduct	*-140.53*	
		For >40, Deduct	*-295.34*	
26 56 13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,608.68	456.81
		For Bronze Or Satin Anodized Finish, Add	*169.50*	
		For Black Anodized Finish, Add	*339.01*	
		For >10 To 20, Deduct	*-90.64*	
		For >20 To 40, Deduct	*-164.33*	
		For >40, Deduct	*-345.62*	
26 56 13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,540.62	304.54
		For Bronze Or Satin Anodized Finish, Add	*93.15*	
		For Black Anodized Finish, Add	*186.31*	
		For >10 To 20, Deduct	*-52.49*	
		For >20 To 40, Deduct	*-95.66*	
		For >40, Deduct	*-200.64*	
26 56 13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,883.39	304.54
		For Bronze Or Satin Anodized Finish, Add	*127.43*	
		For Black Anodized Finish, Add	*254.86*	
		For >10 To 20, Deduct	*-66.20*	
		For >20 To 40, Deduct	*-119.66*	
		For >40, Deduct	*-252.05*	
26 56 13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,218.14	406.06
		For Bronze Or Satin Anodized Finish, Add	*140.60*	
		For Black Anodized Finish, Add	*281.21*	
		For >10 To 20, Deduct	*-76.54*	
		For >20 To 40, Deduct	*-139.03*	
		For >40, Deduct	*-292.12*	
26 56 13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,413.05	406.06
		For Bronze Or Satin Anodized Finish, Add	*160.09*	
		For Black Anodized Finish, Add	*320.19*	
		For >10 To 20, Deduct	*-84.34*	
		For >20 To 40, Deduct	*-152.67*	
		For >40, Deduct	*-321.35*	
26 56 13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,829.12	456.81
		For Bronze Or Satin Anodized Finish, Add	*191.55*	
		For Black Anodized Finish, Add	*383.10*	
		For >10 To 20, Deduct	*-99.46*	
		For >20 To 40, Deduct	*-179.77*	
		For >40, Deduct	*-378.69*	

26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	965.89	152.27
		For Bronze, Satin Or Black Anodized Finish, Add	*99.20*	
		For >10 To 20, Deduct	*-34.07*	
		For >20 To 40, Deduct	*-61.52*	
		For >40, Deduct	*-129.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,070.41	177.65
		For Bronze, Satin Or Black Anodized Finish, Add	*107.27*	
		For >10 To 20, Deduct	*-37.49*	
		For >20 To 40, Deduct	*-67.82*	
		For >40, Deduct	*-142.80*	
26 56 13 00-0320	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,169.57	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*114.53*	
		For >10 To 20, Deduct	*-40.69*	
		For >20 To 40, Deduct	*-73.75*	
		For >40, Deduct	*-155.13*	
26 56 13 00-0321	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,243.17	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*117.95*	
		For >10 To 20, Deduct	*-42.87*	
		For >20 To 40, Deduct	*-77.89*	
		For >40, Deduct	*-163.64*	
26 56 13 00-0322	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,332.91	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*123.80*	
		For >10 To 20, Deduct	*-45.70*	
		For >20 To 40, Deduct	*-83.15*	
		For >40, Deduct	*-174.56*	
26 56 13 00-0323	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,098.64	177.65
		For Bronze, Satin Or Black Anodized Finish, Add	*111.50*	
		For >10 To 20, Deduct	*-38.62*	
		For >20 To 40, Deduct	*-69.80*	
		For >40, Deduct	*-147.03*	
26 56 13 00-0324	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,195.11	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*118.36*	
		For >10 To 20, Deduct	*-41.71*	
		For >20 To 40, Deduct	*-75.54*	
		For >40, Deduct	*-158.96*	
26 56 13 00-0325	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,295.59	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*125.82*	
		For >10 To 20, Deduct	*-44.97*	
		For >20 To 40, Deduct	*-81.56*	
		For >40, Deduct	*-171.50*	
26 56 13 00-0326	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,394.74	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*133.08*	
		For >10 To 20, Deduct	*-48.18*	
		For >20 To 40, Deduct	*-87.48*	
		For >40, Deduct	*-183.83*	
26 56 13 00-0327	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,500.61	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*141.34*	
		For >10 To 20, Deduct	*-51.65*	
		For >20 To 40, Deduct	*-93.88*	
		For >40, Deduct	*-197.18*	
26 56 13 00-0328	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,598.42	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*148.40*	
		For >10 To 20, Deduct	*-54.80*	
		For >20 To 40, Deduct	*-99.71*	
		For >40, Deduct	*-209.31*	
26 56 13 00-0329	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,247.53	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*126.22*	
		For >10 To 20, Deduct	*-43.81*	
		For >20 To 40, Deduct	*-79.21*	
		For >40, Deduct	*-166.83*	
26 56 13 00-0330	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,357.42	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*135.09*	
		For >10 To 20, Deduct	*-47.44*	
		For >20 To 40, Deduct	*-85.88*	
		For >40, Deduct	*-180.77*	
26 56 13 00-0331	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,465.98	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*143.76*	
		For >10 To 20, Deduct	*-51.03*	
		For >20 To 40, Deduct	*-92.47*	
		For >40, Deduct	*-194.52*	
26 56 13 00-0332	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,577.23	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*152.84*	
		For >10 To 20, Deduct	*-54.71*	
		For >20 To 40, Deduct	*-99.24*	
		For >40, Deduct	*-208.67*	
26 56 13 00-0333	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,541.26	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*155.05*	
		For >10 To 20, Deduct	*-54.04*	
		For >20 To 40, Deduct	*-97.74*	
		For >40, Deduct	*-205.81*	
26 56 13 00-0334	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,774.51	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*174.81*	
		For >10 To 20, Deduct	*-61.84*	
		For >20 To 40, Deduct	*-112.03*	
		For >40, Deduct	*-235.72*	
26 56 13 00-0335	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,297.26	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*133.68*	
		For >10 To 20, Deduct	*-45.80*	
		For >20 To 40, Deduct	*-82.69*	
		For >40, Deduct	*-174.29*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0336	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,421.95	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*144.77*	
		For >10 To 20, Deduct	*-50.03*	
		For >20 To 40, Deduct	*-90.40*	
		For >40, Deduct	*-190.45*	
26 56 13 00-0337	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,533.19	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*153.84*	
		For >10 To 20, Deduct	*-53.71*	
		For >20 To 40, Deduct	*-97.17*	
		For >40, Deduct	*-204.60*	
26 56 13 00-0338	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,652.51	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*164.13*	
		For >10 To 20, Deduct	*-57.73*	
		For >20 To 40, Deduct	*-104.51*	
		For >40, Deduct	*-219.96*	
26 56 13 00-0339	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,767.79	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*173.81*	
		For >10 To 20, Deduct	*-61.58*	
		For >20 To 40, Deduct	*-111.56*	
		For >40, Deduct	*-234.71*	
26 56 13 00-0340	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,631.32	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*168.56*	
		For >10 To 20, Deduct	*-57.64*	
		For >20 To 40, Deduct	*-104.04*	
		For >40, Deduct	*-219.32*	
26 56 13 00-0341	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,762.73	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*180.66*	
		For >10 To 20, Deduct	*-62.13*	
		For >20 To 40, Deduct	*-112.22*	
		For >40, Deduct	*-236.49*	
26 56 13 00-0342	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,809.46	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*180.06*	
		For >10 To 20, Deduct	*-63.24*	
		For >20 To 40, Deduct	*-114.48*	
		For >40, Deduct	*-240.96*	

26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0296)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0344	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	748.46	126.90
		For Bronze Or Satin Anodized Finish, Add	*49.47*	
		For Black Anodized Finish, Add	*98.93*	
		For >10 To 20, Deduct	*-26.13*	
		For >20 To 40, Deduct	*-47.32*	
		For >40, Deduct	*-99.58*	
26 56 13 00-0345	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	799.38	139.58
		For Bronze Or Satin Anodized Finish, Add	*52.02*	
		For Black Anodized Finish, Add	*104.04*	
		For >10 To 20, Deduct	*-27.79*	
		For >20 To 40, Deduct	*-50.37*	
		For >40, Deduct	*-105.95*	
26 56 13 00-0346	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	885.23	152.27
		For Bronze Or Satin Anodized Finish, Add	*58.07*	
		For Black Anodized Finish, Add	*116.14*	
		For >10 To 20, Deduct	*-30.84*	
		For >20 To 40, Deduct	*-55.88*	
		For >40, Deduct	*-117.56*	
26 56 13 00-0347	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	916.15	152.27
		For Bronze Or Satin Anodized Finish, Add	*61.16*	
		For Black Anodized Finish, Add	*122.32*	
		For >10 To 20, Deduct	*-32.08*	
		For >20 To 40, Deduct	*-58.04*	
		For >40, Deduct	*-122.20*	
26 56 13 00-0348	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	955.13	152.27
		For Bronze Or Satin Anodized Finish, Add	*65.06*	
		For Black Anodized Finish, Add	*130.12*	
		For >10 To 20, Deduct	*-33.64*	
		For >20 To 40, Deduct	*-60.77*	
		For >40, Deduct	*-128.04*	
26 56 13 00-0349	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,098.81	164.96
		For Bronze Or Satin Anodized Finish, Add	*76.89*	
		For Black Anodized Finish, Add	*153.78*	
		For >10 To 20, Deduct	*-39.00*	
		For >20 To 40, Deduct	*-70.32*	
		For >40, Deduct	*-148.33*	
26 56 13 00-0350	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,173.92	177.65
		For Bronze Or Satin Anodized Finish, Add	*81.86*	
		For Black Anodized Finish, Add	*163.72*	
		For >10 To 20, Deduct	*-41.63*	
		For >20 To 40, Deduct	*-75.07*	
		For >40, Deduct	*-158.32*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0351	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,382.27	177.65
		For Bronze Or Satin Anodized Finish, Add	*102.70*	
		For Black Anodized Finish, Add	*205.39*	
		For >10 To 20, Deduct	*-49.96*	
		For >20 To 40, Deduct	*-89.65*	
		For >40, Deduct	*-189.58*	
26 56 13 00-0352	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,700.52	203.03
		For Bronze Or Satin Anodized Finish, Add	*129.45*	
		For Black Anodized Finish, Add	*258.89*	
		For >10 To 20, Deduct	*-61.93*	
		For >20 To 40, Deduct	*-110.92*	
		For >40, Deduct	*-234.78*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,931.40	228.41
		For Bronze Or Satin Anodized Finish, Add	*147.46*	
		For Black Anodized Finish, Add	*294.92*	
		For >10 To 20, Deduct	*-70.40*	
		For >20 To 40, Deduct	*-126.06*	
		For >40, Deduct	*-266.87*	
26 56 13 00-0354	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,177.39	228.41
		For Bronze Or Satin Anodized Finish, Add	*172.06*	
		For Black Anodized Finish, Add	*344.12*	
		For >10 To 20, Deduct	*-80.24*	
		For >20 To 40, Deduct	*-143.28*	
		For >40, Deduct	*-303.77*	

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0355)*

26 56 13 00-0357	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	684.95	152.27
		For Bronze Or Satin Anodized Finish, Add	*38.04*	
		For Black Anodized Finish, Add	*76.08*	
		For >10 To 20, Deduct	*-22.83*	
		For >20 To 40, Deduct	*-41.86*	
		For >40, Deduct	*-87.52*	
26 56 13 00-0358	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	766.63	177.65
		For Bronze Or Satin Anodized Finish, Add	*41.13*	
		For Black Anodized Finish, Add	*82.27*	
		For >10 To 20, Deduct	*-25.34*	
		For >20 To 40, Deduct	*-46.56*	
		For >40, Deduct	*-97.23*	
26 56 13 00-0359	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	848.30	203.03
		For Bronze Or Satin Anodized Finish, Add	*44.22*	
		For Black Anodized Finish, Add	*88.45*	
		For >10 To 20, Deduct	*-27.84*	
		For >20 To 40, Deduct	*-51.26*	
		For >40, Deduct	*-106.94*	
26 56 13 00-0360	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	942.07	228.41
		For Bronze Or Satin Anodized Finish, Add	*48.53*	
		For Black Anodized Finish, Add	*97.05*	
		For >10 To 20, Deduct	*-30.83*	
		For >20 To 40, Deduct	*-56.81*	
		For >40, Deduct	*-118.47*	
26 56 13 00-0361	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,034.50	253.79
		For Bronze Or Satin Anodized Finish, Add	*52.69*	
		For Black Anodized Finish, Add	*105.39*	
		For >10 To 20, Deduct	*-33.77*	
		For >20 To 40, Deduct	*-62.26*	
		For >40, Deduct	*-129.80*	
26 56 13 00-0362	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	801.57	177.65
		For Bronze Or Satin Anodized Finish, Add	*44.63*	
		For Black Anodized Finish, Add	*89.25*	
		For >10 To 20, Deduct	*-26.73*	
		For >20 To 40, Deduct	*-49.00*	
		For >40, Deduct	*-102.47*	
26 56 13 00-0363	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	903.41	203.03
		For Bronze Or Satin Anodized Finish, Add	*49.74*	
		For Black Anodized Finish, Add	*99.47*	
		For >10 To 20, Deduct	*-30.05*	
		For >20 To 40, Deduct	*-55.12*	
		For >40, Deduct	*-115.21*	
26 56 13 00-0364	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,001.21	228.41
		For Bronze Or Satin Anodized Finish, Add	*54.44*	
		For Black Anodized Finish, Add	*108.88*	
		For >10 To 20, Deduct	*-33.20*	
		For >20 To 40, Deduct	*-60.95*	
		For >40, Deduct	*-127.34*	
26 56 13 00-0365	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,187.42	279.17
		For Bronze Or Satin Anodized Finish, Add	*62.91*	
		For Black Anodized Finish, Add	*125.82*	
		For >10 To 20, Deduct	*-39.12*	
		For >20 To 40, Deduct	*-71.95*	
		For >40, Deduct	*-150.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,271.78	304.54
		For Bronze Or Satin Anodized Finish, Add	*66.27*	
		For Black Anodized Finish, Add	*132.54*	
		For >10 To 20, Deduct	*-41.73*	
		For >20 To 40, Deduct	*-76.84*	
		For >40, Deduct	*-160.31*	
26 56 13 00-0367	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	953.15	203.03
		For Bronze Or Satin Anodized Finish, Add	*54.71*	
		For Black Anodized Finish, Add	*109.42*	
		For >10 To 20, Deduct	*-32.04*	
		For >20 To 40, Deduct	*-58.60*	
		For >40, Deduct	*-122.67*	
26 56 13 00-0368	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,059.01	228.41
		For Bronze Or Satin Anodized Finish, Add	*60.22*	
		For Black Anodized Finish, Add	*120.44*	
		For >10 To 20, Deduct	*-35.51*	
		For >20 To 40, Deduct	*-64.99*	
		For >40, Deduct	*-136.01*	
26 56 13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,174.29	253.79
		For Bronze Or Satin Anodized Finish, Add	*66.67*	
		For Black Anodized Finish, Add	*133.34*	
		For >10 To 20, Deduct	*-39.36*	
		For >20 To 40, Deduct	*-72.05*	
		For >40, Deduct	*-150.77*	
26 56 13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,265.38	279.17
		For Bronze Or Satin Anodized Finish, Add	*70.71*	
		For Black Anodized Finish, Add	*141.41*	
		For >10 To 20, Deduct	*-42.24*	
		For >20 To 40, Deduct	*-77.41*	
		For >40, Deduct	*-161.89*	
26 56 13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,375.28	304.54
		For Bronze Or Satin Anodized Finish, Add	*76.62*	
		For Black Anodized Finish, Add	*153.24*	
		For >10 To 20, Deduct	*-45.87*	
		For >20 To 40, Deduct	*-84.09*	
		For >40, Deduct	*-175.84*	
26 56 13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,306.02	253.79
		For Bronze Or Satin Anodized Finish, Add	*79.85*	
		For Black Anodized Finish, Add	*159.69*	
		For >10 To 20, Deduct	*-44.63*	
		For >20 To 40, Deduct	*-81.27*	
		For >40, Deduct	*-170.52*	
26 56 13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,433.40	279.17
		For Bronze Or Satin Anodized Finish, Add	*87.51*	
		For Black Anodized Finish, Add	*175.01*	
		For >10 To 20, Deduct	*-48.96*	
		For >20 To 40, Deduct	*-89.17*	
		For >40, Deduct	*-187.09*	
26 56 13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,505.67	304.54
		For Bronze Or Satin Anodized Finish, Add	*89.66*	
		For Black Anodized Finish, Add	*179.32*	
		For >10 To 20, Deduct	*-51.09*	
		For >20 To 40, Deduct	*-93.22*	
		For >40, Deduct	*-195.40*	
26 56 13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,726.82	355.30
		For Bronze Or Satin Anodized Finish, Add	*101.62*	
		For Black Anodized Finish, Add	*203.24*	
		For >10 To 20, Deduct	*-58.41*	
		For >20 To 40, Deduct	*-106.67*	
		For >40, Deduct	*-223.49*	
26 56 13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,956.02	406.06
		For Bronze Or Satin Anodized Finish, Add	*114.39*	
		For Black Anodized Finish, Add	*228.78*	
		For >10 To 20, Deduct	*-66.06*	
		For >20 To 40, Deduct	*-120.68*	
		For >40, Deduct	*-252.80*	
26 56 13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,565.14	279.17
		For Bronze Or Satin Anodized Finish, Add	*100.68*	
		For Black Anodized Finish, Add	*201.36*	
		For >10 To 20, Deduct	*-54.23*	
		For >20 To 40, Deduct	*-98.39*	
		For >40, Deduct	*-206.85*	
26 56 13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,665.63	304.54
		For Bronze Or Satin Anodized Finish, Add	*105.65*	
		For Black Anodized Finish, Add	*211.31*	
		For >10 To 20, Deduct	*-57.49*	
		For >20 To 40, Deduct	*-104.41*	
		For >40, Deduct	*-219.39*	
26 56 13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,853.17	355.30
		For Bronze Or Satin Anodized Finish, Add	*114.26*	
		For Black Anodized Finish, Add	*228.51*	
		For >10 To 20, Deduct	*-63.47*	
		For >20 To 40, Deduct	*-115.51*	
		For >40, Deduct	*-242.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,052.81	406.06
		For Bronze Or Satin Anodized Finish, Add	*124.07*	
		For Black Anodized Finish, Add	*248.14*	
		For >10 To 20, Deduct	*-69.93*	
		For >20 To 40, Deduct	*-127.45*	
		For >40, Deduct	*-267.32*	
26 56 13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,212.46	431.44
		For Bronze Or Satin Anodized Finish, Add	*134.96*	
		For Black Anodized Finish, Add	*269.92*	
		For >10 To 20, Deduct	*-75.56*	
		For >20 To 40, Deduct	*-137.61*	
		For >40, Deduct	*-288.73*	
26 56 13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,374.79	456.81
		For Bronze Or Satin Anodized Finish, Add	*146.12*	
		For Black Anodized Finish, Add	*292.23*	
		For >10 To 20, Deduct	*-81.29*	
		For >20 To 40, Deduct	*-147.96*	
		For >40, Deduct	*-310.54*	
26 56 13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,978.18	355.30
		For Bronze Or Satin Anodized Finish, Add	*126.76*	
		For Black Anodized Finish, Add	*253.52*	
		For >10 To 20, Deduct	*-68.47*	
		For >20 To 40, Deduct	*-124.26*	
		For >40, Deduct	*-261.20*	
26 56 13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,136.15	406.06
		For Bronze Or Satin Anodized Finish, Add	*132.40*	
		For Black Anodized Finish, Add	*264.81*	
		For >10 To 20, Deduct	*-73.26*	
		For >20 To 40, Deduct	*-133.29*	
		For >40, Deduct	*-279.82*	
26 56 13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,302.52	431.44
		For Bronze Or Satin Anodized Finish, Add	*143.96*	
		For Black Anodized Finish, Add	*287.93*	
		For >10 To 20, Deduct	*-79.16*	
		For >20 To 40, Deduct	*-143.92*	
		For >40, Deduct	*-302.23*	
26 56 13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,514.58	456.81
		For Bronze Or Satin Anodized Finish, Add	*160.09*	
		For Black Anodized Finish, Add	*320.19*	
		For >10 To 20, Deduct	*-86.88*	
		For >20 To 40, Deduct	*-157.75*	
		For >40, Deduct	*-331.51*	
26 56 13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,600.44	469.51
		For Bronze Or Satin Anodized Finish, Add	*166.14*	
		For Black Anodized Finish, Add	*332.29*	
		For >10 To 20, Deduct	*-89.93*	
		For >20 To 40, Deduct	*-163.25*	
		For >40, Deduct	*-343.12*	
26 56 13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,788.48	482.20
		For Bronze Or Satin Anodized Finish, Add	*182.41*	
		For Black Anodized Finish, Add	*364.82*	
		For >10 To 20, Deduct	*-97.07*	
		For >20 To 40, Deduct	*-175.91*	
		For >40, Deduct	*-370.05*	
26 56 13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,008.26	203.03
		For Bronze Or Satin Anodized Finish, Add	*60.22*	
		For Black Anodized Finish, Add	*120.44*	
		For >10 To 20, Deduct	*-34.24*	
		For >20 To 40, Deduct	*-62.46*	
		For >40, Deduct	*-130.94*	
26 56 13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,123.53	228.41
		For Bronze Or Satin Anodized Finish, Add	*66.67*	
		For Black Anodized Finish, Add	*133.34*	
		For >10 To 20, Deduct	*-38.09*	
		For >20 To 40, Deduct	*-69.51*	
		For >40, Deduct	*-145.69*	
26 56 13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,244.19	253.79
		For Bronze Or Satin Anodized Finish, Add	*73.66*	
		For Black Anodized Finish, Add	*147.32*	
		For >10 To 20, Deduct	*-42.15*	
		For >20 To 40, Deduct	*-76.94*	
		For >40, Deduct	*-161.25*	
26 56 13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,350.06	279.17
		For Bronze Or Satin Anodized Finish, Add	*79.17*	
		For Black Anodized Finish, Add	*158.35*	
		For >10 To 20, Deduct	*-45.63*	
		For >20 To 40, Deduct	*-83.34*	
		For >40, Deduct	*-174.59*	
26 56 13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,454.59	304.54
		For Bronze Or Satin Anodized Finish, Add	*84.55*	
		For Black Anodized Finish, Add	*169.10*	
		For >10 To 20, Deduct	*-49.05*	
		For >20 To 40, Deduct	*-89.64*	
		For >40, Deduct	*-187.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,390.71	253.79
		For Bronze Or Satin Anodized Finish, Add	*88.31*	
		For Black Anodized Finish, Add	*176.63*	
		For >10 To 20, Deduct	*-48.01*	
		For >20 To 40, Deduct	*-87.20*	
		For >40, Deduct	*-183.23*	
26 56 13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,522.12	279.17
		For Bronze Or Satin Anodized Finish, Add	*96.38*	
		For Black Anodized Finish, Add	*192.76*	
		For >10 To 20, Deduct	*-52.51*	
		For >20 To 40, Deduct	*-95.38*	
		For >40, Deduct	*-200.40*	
26 56 13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,611.86	304.54
		For Bronze Or Satin Anodized Finish, Add	*100.28*	
		For Black Anodized Finish, Add	*200.55*	
		For >10 To 20, Deduct	*-55.34*	
		For >20 To 40, Deduct	*-100.65*	
		For >40, Deduct	*-211.32*	
26 56 13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,826.29	355.30
		For Bronze Or Satin Anodized Finish, Add	*111.57*	
		For Black Anodized Finish, Add	*223.14*	
		For >10 To 20, Deduct	*-62.39*	
		For >20 To 40, Deduct	*-113.63*	
		For >40, Deduct	*-238.41*	
26 56 13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,048.77	406.06
		For Bronze Or Satin Anodized Finish, Add	*123.67*	
		For Black Anodized Finish, Add	*247.33*	
		For >10 To 20, Deduct	*-69.77*	
		For >20 To 40, Deduct	*-127.17*	
		For >40, Deduct	*-266.71*	
26 56 13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,130.08	355.30
		For Bronze Or Satin Anodized Finish, Add	*141.95*	
		For Black Anodized Finish, Add	*283.90*	
		For >10 To 20, Deduct	*-74.54*	
		For >20 To 40, Deduct	*-134.89*	
		For >40, Deduct	*-283.98*	
26 56 13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,337.78	406.06
		For Bronze Or Satin Anodized Finish, Add	*152.57*	
		For Black Anodized Finish, Add	*305.13*	
		For >10 To 20, Deduct	*-81.33*	
		For >20 To 40, Deduct	*-147.40*	
		For >40, Deduct	*-310.06*	
26 56 13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,520.28	431.44
		For Bronze Or Satin Anodized Finish, Add	*165.74*	
		For Black Anodized Finish, Add	*331.48*	
		For >10 To 20, Deduct	*-87.87*	
		For >20 To 40, Deduct	*-159.16*	
		For >40, Deduct	*-334.90*	
26 56 13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,679.92	456.81
		For Bronze Or Satin Anodized Finish, Add	*176.63*	
		For Black Anodized Finish, Add	*353.26*	
		For >10 To 20, Deduct	*-93.49*	
		For >20 To 40, Deduct	*-169.32*	
		For >40, Deduct	*-356.31*	
26 56 13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,835.68	469.51
		For Bronze Or Satin Anodized Finish, Add	*189.67*	
		For Black Anodized Finish, Add	*379.33*	
		For >10 To 20, Deduct	*-99.34*	
		For >20 To 40, Deduct	*-179.72*	
		For >40, Deduct	*-378.40*	
26 56 13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,969.95	482.20
		For Bronze Or Satin Anodized Finish, Add	*200.56*	
		For Black Anodized Finish, Add	*401.11*	
		For >10 To 20, Deduct	*-104.33*	
		For >20 To 40, Deduct	*-188.61*	
		For >40, Deduct	*-397.27*	
26 56 13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,082.69	494.89
		For Bronze Or Satin Anodized Finish, Add	*209.29*	
		For Black Anodized Finish, Add	*418.58*	
		For >10 To 20, Deduct	*-108.46*	
		For >20 To 40, Deduct	*-195.99*	
		For >40, Deduct	*-412.92*	
26 56 13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,296.26	507.57
		For Bronze Or Satin Anodized Finish, Add	*228.11*	
		For Black Anodized Finish, Add	*456.22*	
		For >10 To 20, Deduct	*-116.62*	
		For >20 To 40, Deduct	*-210.44*	
		For >40, Deduct	*-443.68*	
26 56 13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,100.97	431.44
		For Bronze Or Satin Anodized Finish, Add	*223.81*	
		For Black Anodized Finish, Add	*447.62*	
		For >10 To 20, Deduct	*-111.10*	
		For >20 To 40, Deduct	*-199.81*	
		For >40, Deduct	*-422.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,352.02	456.81
		For Bronze Or Satin Anodized Finish, Add	*243.84*	
		For Black Anodized Finish, Add	*487.68*	
		For >10 To 20, Deduct	*-120.38*	
		For >20 To 40, Deduct	*-216.37*	
		For >40, Deduct	*-457.12*	
26 56 13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,534.66	469.51
		For Bronze Or Satin Anodized Finish, Add	*259.57*	
		For Black Anodized Finish, Add	*519.13*	
		For >10 To 20, Deduct	*-127.30*	
		For >20 To 40, Deduct	*-228.65*	
		For >40, Deduct	*-483.25*	
26 56 13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,670.27	482.20
		For Bronze Or Satin Anodized Finish, Add	*270.59*	
		For Black Anodized Finish, Add	*541.17*	
		For >10 To 20, Deduct	*-132.34*	
		For >20 To 40, Deduct	*-237.63*	
		For >40, Deduct	*-502.32*	
26 56 13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,740.00	494.89
		For Bronze Or Satin Anodized Finish, Add	*275.02*	
		For Black Anodized Finish, Add	*550.05*	
		For >10 To 20, Deduct	*-134.75*	
		For >20 To 40, Deduct	*-242.00*	
		For >40, Deduct	*-511.51*	
26 56 13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,976.42	507.57
		For Bronze Or Satin Anodized Finish, Add	*296.13*	
		For Black Anodized Finish, Add	*592.25*	
		For >10 To 20, Deduct	*-143.83*	
		For >20 To 40, Deduct	*-258.05*	
		For >40, Deduct	*-545.71*	
26 56 13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,916.82	431.44
		For Bronze Or Satin Anodized Finish, Add	*205.39*	
		For Black Anodized Finish, Add	*410.79*	
		For >10 To 20, Deduct	*-103.73*	
		For >20 To 40, Deduct	*-186.92*	
		For >40, Deduct	*-394.38*	
26 56 13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,143.67	456.81
		For Bronze Or Satin Anodized Finish, Add	*223.00*	
		For Black Anodized Finish, Add	*446.01*	
		For >10 To 20, Deduct	*-112.04*	
		For >20 To 40, Deduct	*-201.78*	
		For >40, Deduct	*-425.87*	
26 56 13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,229.53	469.51
		For Bronze Or Satin Anodized Finish, Add	*229.05*	
		For Black Anodized Finish, Add	*458.10*	
		For >10 To 20, Deduct	*-115.10*	
		For >20 To 40, Deduct	*-207.29*	
		For >40, Deduct	*-437.48*	
26 56 13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,469.99	482.20
		For Bronze Or Satin Anodized Finish, Add	*250.56*	
		For Black Anodized Finish, Add	*501.12*	
		For >10 To 20, Deduct	*-124.33*	
		For >20 To 40, Deduct	*-223.61*	
		For >40, Deduct	*-472.28*	
26 56 13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,581.39	494.89
		For Bronze Or Satin Anodized Finish, Add	*259.16*	
		For Black Anodized Finish, Add	*518.32*	
		For >10 To 20, Deduct	*-128.41*	
		For >20 To 40, Deduct	*-230.90*	
		For >40, Deduct	*-487.72*	
26 56 13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,819.15	507.57
		For Bronze Or Satin Anodized Finish, Add	*280.40*	
		For Black Anodized Finish, Add	*560.80*	
		For >10 To 20, Deduct	*-137.54*	
		For >20 To 40, Deduct	*-247.04*	
		For >40, Deduct	*-522.12*	
26 56 13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,758.29	431.44
		For Bronze Or Satin Anodized Finish, Add	*289.54*	
		For Black Anodized Finish, Add	*579.08*	
		For >10 To 20, Deduct	*-137.39*	
		For >20 To 40, Deduct	*-245.82*	
		For >40, Deduct	*-520.60*	
26 56 13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,973.04	456.81
		For Bronze Or Satin Anodized Finish, Add	*305.94*	
		For Black Anodized Finish, Add	*611.88*	
		For >10 To 20, Deduct	*-145.22*	
		For >20 To 40, Deduct	*-259.84*	
		For >40, Deduct	*-550.27*	
26 56 13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,158.37	469.51
		For Bronze Or Satin Anodized Finish, Add	*321.94*	
		For Black Anodized Finish, Add	*643.87*	
		For >10 To 20, Deduct	*-152.25*	
		For >20 To 40, Deduct	*-272.31*	
		For >40, Deduct	*-576.81*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,452.60	482.20
		For Bronze Or Satin Anodized Finish, Add	*348.82*	
		For Black Anodized Finish, Add	*697.64*	
		For >10 To 20, Deduct	*-163.64*	
		For >20 To 40, Deduct	*-292.39*	
		For >40, Deduct	*-619.67*	
26 56 13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,507.54	494.89
		For Bronze Or Satin Anodized Finish, Add	*351.78*	
		For Black Anodized Finish, Add	*703.55*	
		For >10 To 20, Deduct	*-165.46*	
		For >20 To 40, Deduct	*-295.73*	
		For >40, Deduct	*-626.64*	
26 56 13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,800.42	507.57
		For Bronze Or Satin Anodized Finish, Add	*378.53*	
		For Black Anodized Finish, Add	*757.05*	
		For >10 To 20, Deduct	*-176.79*	
		For >20 To 40, Deduct	*-315.73*	
		For >40, Deduct	*-669.31*	
26 56 13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,930.35	761.36
		For Bronze Or Satin Anodized Finish, Add	*440.76*	
		For Black Anodized Finish, Add	*881.53*	
		For >10 To 20, Deduct	*-214.37*	
		For >20 To 40, Deduct	*-384.67*	
		For >40, Deduct	*-813.42*	
26 56 13 00-0426	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,097.03	761.36
		For Bronze Or Satin Anodized Finish, Add	*457.43*	
		For Black Anodized Finish, Add	*914.86*	
		For >10 To 20, Deduct	*-221.04*	
		For >20 To 40, Deduct	*-396.34*	
		For >40, Deduct	*-838.42*	

26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0355)*

26 56 13 00-0428	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	973.95	152.27
		For Bronze, Satin Or Black Anodized Finish, Add	*100.41*	
		For >10 To 20, Deduct	*-34.39*	
		For >20 To 40, Deduct	*-62.09*	
		For >40, Deduct	*-130.87*	
26 56 13 00-0429	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,052.94	177.65
		For Bronze, Satin Or Black Anodized Finish, Add	*104.65*	
		For >10 To 20, Deduct	*-36.79*	
		For >20 To 40, Deduct	*-66.60*	
		For >40, Deduct	*-140.18*	
26 56 13 00-0430	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,133.27	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*109.08*	
		For >10 To 20, Deduct	*-39.24*	
		For >20 To 40, Deduct	*-71.21*	
		For >40, Deduct	*-149.69*	
26 56 13 00-0431	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,216.28	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*113.92*	
		For >10 To 20, Deduct	*-41.80*	
		For >20 To 40, Deduct	*-76.00*	
		For >40, Deduct	*-159.60*	
26 56 13 00-0432	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,297.96	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*118.56*	
		For >10 To 20, Deduct	*-44.30*	
		For >20 To 40, Deduct	*-80.71*	
		For >40, Deduct	*-169.32*	
26 56 13 00-0433	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,069.07	177.65
		For Bronze, Satin Or Black Anodized Finish, Add	*107.07*	
		For >10 To 20, Deduct	*-37.43*	
		For >20 To 40, Deduct	*-67.73*	
		For >40, Deduct	*-142.60*	
26 56 13 00-0434	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,152.09	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*111.90*	
		For >10 To 20, Deduct	*-39.99*	
		For >20 To 40, Deduct	*-72.53*	
		For >40, Deduct	*-152.51*	
26 56 13 00-0435	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,237.79	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*117.15*	
		For >10 To 20, Deduct	*-42.66*	
		For >20 To 40, Deduct	*-77.51*	
		For >40, Deduct	*-162.83*	
26 56 13 00-0436	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,322.16	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*122.19*	
		For >10 To 20, Deduct	*-45.27*	
		For >20 To 40, Deduct	*-82.40*	
		For >40, Deduct	*-172.95*	
26 56 13 00-0437	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,423.99	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*129.85*	
		For >10 To 20, Deduct	*-48.58*	
		For >20 To 40, Deduct	*-88.51*	
		For >40, Deduct	*-185.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0438	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,513.74	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*135.70*	
		For >10 To 20, Deduct	*-51.41*	
		For >20 To 40, Deduct	*-93.78*	
		For >40, Deduct	*-196.61*	
26 56 13 00-0439	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,204.51	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*119.77*	
		For >10 To 20, Deduct	*-42.09*	
		For >20 To 40, Deduct	*-76.19*	
		For >40, Deduct	*-160.37*	
26 56 13 00-0440	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,296.93	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*126.02*	
		For >10 To 20, Deduct	*-45.03*	
		For >20 To 40, Deduct	*-81.65*	
		For >40, Deduct	*-171.70*	
26 56 13 00-0441	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,405.50	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*134.69*	
		For >10 To 20, Deduct	*-48.61*	
		For >20 To 40, Deduct	*-88.23*	
		For >40, Deduct	*-185.45*	
26 56 13 00-0442	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,500.61	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*141.34*	
		For >10 To 20, Deduct	*-51.65*	
		For >20 To 40, Deduct	*-93.88*	
		For >40, Deduct	*-197.18*	
26 56 13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,613.21	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*150.62*	
		For >10 To 20, Deduct	*-55.39*	
		For >20 To 40, Deduct	*-100.74*	
		For >40, Deduct	*-211.53*	
26 56 13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,482.11	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*146.18*	
		For >10 To 20, Deduct	*-51.67*	
		For >20 To 40, Deduct	*-93.60*	
		For >40, Deduct	*-196.94*	
26 56 13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,604.12	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*156.87*	
		For >10 To 20, Deduct	*-55.79*	
		For >20 To 40, Deduct	*-101.12*	
		For >40, Deduct	*-212.70*	
26 56 13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,696.55	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*163.12*	
		For >10 To 20, Deduct	*-58.73*	
		For >20 To 40, Deduct	*-106.58*	
		For >40, Deduct	*-224.03*	
26 56 13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,246.18	203.03
		For Bronze, Satin Or Black Anodized Finish, Add	*126.02*	
		For >10 To 20, Deduct	*-43.76*	
		For >20 To 40, Deduct	*-79.11*	
		For >40, Deduct	*-166.62*	
26 56 13 00-0448	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,360.11	228.41
		For Bronze, Satin Or Black Anodized Finish, Add	*135.50*	
		For >10 To 20, Deduct	*-47.55*	
		For >20 To 40, Deduct	*-86.07*	
		For >40, Deduct	*-181.18*	
26 56 13 00-0449	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,482.11	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*146.18*	
		For >10 To 20, Deduct	*-51.67*	
		For >20 To 40, Deduct	*-93.60*	
		For >40, Deduct	*-196.94*	
26 56 13 00-0450	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,587.99	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*154.45*	
		For >10 To 20, Deduct	*-55.14*	
		For >20 To 40, Deduct	*-99.99*	
		For >40, Deduct	*-210.28*	
26 56 13 00-0451	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,703.27	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*164.13*	
		For >10 To 20, Deduct	*-58.99*	
		For >20 To 40, Deduct	*-107.05*	
		For >40, Deduct	*-225.04*	
26 56 13 00-0452	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,569.49	253.79
		For Bronze, Satin Or Black Anodized Finish, Add	*159.29*	
		For >10 To 20, Deduct	*-55.17*	
		For >20 To 40, Deduct	*-99.71*	
		For >40, Deduct	*-210.05*	
26 56 13 00-0453	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,702.24	279.17
		For Bronze, Satin Or Black Anodized Finish, Add	*171.59*	
		For >10 To 20, Deduct	*-59.71*	
		For >20 To 40, Deduct	*-107.99*	
		For >40, Deduct	*-227.42*	
26 56 13 00-0454	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,801.40	304.54
		For Bronze, Satin Or Black Anodized Finish, Add	*178.85*	
		For >10 To 20, Deduct	*-62.92*	
		For >20 To 40, Deduct	*-113.92*	
		For >40, Deduct	*-239.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0455		Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0355)*		
		Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	651.67	126.90
		For Bronze Or Satin Anodized Finish, Add	*39.79*	
		For Black Anodized Finish, Add	*79.58*	
		For >10 To 20, Deduct	*-22.26*	
		For >20 To 40, Deduct	*-40.54*	
		For >40, Deduct	*-85.06*	
26 56 13 00-0457	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	689.31	126.90
		For Bronze Or Satin Anodized Finish, Add	*43.55*	
		For Black Anodized Finish, Add	*87.10*	
		For >10 To 20, Deduct	*-23.77*	
		For >20 To 40, Deduct	*-43.18*	
		For >40, Deduct	*-90.71*	
26 56 13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	745.61	139.58
		For Bronze Or Satin Anodized Finish, Add	*46.64*	
		For Black Anodized Finish, Add	*93.29*	
		For >10 To 20, Deduct	*-25.64*	
		For >20 To 40, Deduct	*-46.61*	
		For >40, Deduct	*-97.88*	
26 56 13 00-0459	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	792.48	152.27
		For Bronze Or Satin Anodized Finish, Add	*48.79*	
		For Black Anodized Finish, Add	*97.59*	
		For >10 To 20, Deduct	*-27.13*	
		For >20 To 40, Deduct	*-49.38*	
		For >40, Deduct	*-103.65*	
26 56 13 00-0460	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	840.88	152.27
		For Bronze Or Satin Anodized Finish, Add	*53.63*	
		For Black Anodized Finish, Add	*107.27*	
		For >10 To 20, Deduct	*-29.07*	
		For >20 To 40, Deduct	*-52.77*	
		For >40, Deduct	*-110.91*	
26 56 13 00-0461	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	781.90	139.58
		For Bronze Or Satin Anodized Finish, Add	*50.27*	
		For Black Anodized Finish, Add	*100.55*	
		For >10 To 20, Deduct	*-27.09*	
		For >20 To 40, Deduct	*-49.15*	
		For >40, Deduct	*-103.33*	
26 56 13 00-0462	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	844.91	152.27
		For Bronze Or Satin Anodized Finish, Add	*54.04*	
		For Black Anodized Finish, Add	*108.07*	
		For >10 To 20, Deduct	*-29.23*	
		For >20 To 40, Deduct	*-53.05*	
		For >40, Deduct	*-111.51*	
26 56 13 00-0463	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	871.79	152.27
		For Bronze Or Satin Anodized Finish, Add	*56.73*	
		For Black Anodized Finish, Add	*113.45*	
		For >10 To 20, Deduct	*-30.30*	
		For >20 To 40, Deduct	*-54.93*	
		For >40, Deduct	*-115.54*	
26 56 13 00-0464	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	940.20	164.96
		For Bronze Or Satin Anodized Finish, Add	*61.03*	
		For Black Anodized Finish, Add	*122.05*	
		For >10 To 20, Deduct	*-32.66*	
		For >20 To 40, Deduct	*-59.22*	
		For >40, Deduct	*-124.53*	
26 56 13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,003.20	177.65
		For Bronze Or Satin Anodized Finish, Add	*64.79*	
		For Black Anodized Finish, Add	*129.58*	
		For >10 To 20, Deduct	*-34.80*	
		For >20 To 40, Deduct	*-63.12*	
		For >40, Deduct	*-132.72*	
26 56 13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	949.76	152.27
		For Bronze Or Satin Anodized Finish, Add	*64.52*	
		For Black Anodized Finish, Add	*129.04*	
		For >10 To 20, Deduct	*-33.42*	
		For >20 To 40, Deduct	*-60.39*	
		For >40, Deduct	*-127.24*	
26 56 13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,026.23	164.96
		For Bronze Or Satin Anodized Finish, Add	*69.63*	
		For Black Anodized Finish, Add	*139.26*	
		For >10 To 20, Deduct	*-36.10*	
		For >20 To 40, Deduct	*-65.24*	
		For >40, Deduct	*-137.44*	
26 56 13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,095.95	177.65
		For Bronze Or Satin Anodized Finish, Add	*74.07*	
		For Black Anodized Finish, Add	*148.13*	
		For >10 To 20, Deduct	*-38.51*	
		For >20 To 40, Deduct	*-69.61*	
		For >40, Deduct	*-146.63*	
26 56 13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,136.45	164.96
		For Bronze Or Satin Anodized Finish, Add	*80.65*	
		For Black Anodized Finish, Add	*161.30*	
		For >10 To 20, Deduct	*-40.51*	
		For >20 To 40, Deduct	*-72.95*	
		For >40, Deduct	*-153.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0470	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,463.95	203.03
		For Bronze Or Satin Anodized Finish, Add	*105.79*	
		For Black Anodized Finish, Add	*211.58*	
		For >10 To 20, Deduct	*-52.47*	
		For >20 To 40, Deduct	*-94.36*	
		For >40, Deduct	*-199.29*	
26 56 13 00-0471	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,615.84	203.03
		For Bronze Or Satin Anodized Finish, Add	*120.98*	
		For Black Anodized Finish, Add	*241.96*	
		For >10 To 20, Deduct	*-58.54*	
		For >20 To 40, Deduct	*-104.99*	
		For >40, Deduct	*-222.07*	
26 56 13 00-0472	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,796.98	228.41
		For Bronze Or Satin Anodized Finish, Add	*134.02*	
		For Black Anodized Finish, Add	*268.03*	
		For >10 To 20, Deduct	*-65.03*	
		For >20 To 40, Deduct	*-116.65*	
		For >40, Deduct	*-246.71*	
26 56 13 00-0473	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,962.31	228.41
		For Bronze Or Satin Anodized Finish, Add	*150.55*	
		For Black Anodized Finish, Add	*301.10*	
		For >10 To 20, Deduct	*-71.64*	
		For >20 To 40, Deduct	*-128.23*	
		For >40, Deduct	*-271.51*	

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0474)*

26 56 13 00-0476	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	859.69	152.27
		For Bronze Or Satin Anodized Finish, Add	*55.52*	
		For Black Anodized Finish, Add	*111.03*	
		For >10 To 20, Deduct	*-29.82*	
		For >20 To 40, Deduct	*-54.09*	
		For >40, Deduct	*-113.73*	
26 56 13 00-0477	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	938.68	177.65
		For Bronze Or Satin Anodized Finish, Add	*58.34*	
		For Black Anodized Finish, Add	*116.68*	
		For >10 To 20, Deduct	*-32.22*	
		For >20 To 40, Deduct	*-58.60*	
		For >40, Deduct	*-123.04*	
26 56 13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,028.42	203.03
		For Bronze Or Satin Anodized Finish, Add	*62.24*	
		For Black Anodized Finish, Add	*124.47*	
		For >10 To 20, Deduct	*-35.05*	
		For >20 To 40, Deduct	*-63.87*	
		For >40, Deduct	*-133.96*	
26 56 13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,116.81	228.41
		For Bronze Or Satin Anodized Finish, Add	*66.00*	
		For Black Anodized Finish, Add	*132.00*	
		For >10 To 20, Deduct	*-37.82*	
		For >20 To 40, Deduct	*-69.04*	
		For >40, Deduct	*-144.68*	
26 56 13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,166.40	241.09
		For Bronze Or Satin Anodized Finish, Add	*68.42*	
		For Black Anodized Finish, Add	*136.84*	
		For >10 To 20, Deduct	*-39.42*	
		For >20 To 40, Deduct	*-72.00*	
		For >40, Deduct	*-150.85*	
26 56 13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,215.96	253.79
		For Bronze Or Satin Anodized Finish, Add	*70.84*	
		For Black Anodized Finish, Add	*141.68*	
		For >10 To 20, Deduct	*-41.02*	
		For >20 To 40, Deduct	*-74.97*	
		For >40, Deduct	*-157.02*	
26 56 13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,312.43	279.17
		For Bronze Or Satin Anodized Finish, Add	*75.41*	
		For Black Anodized Finish, Add	*150.82*	
		For >10 To 20, Deduct	*-44.12*	
		For >20 To 40, Deduct	*-80.70*	
		For >40, Deduct	*-168.95*	
26 56 13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,420.99	304.54
		For Bronze Or Satin Anodized Finish, Add	*81.19*	
		For Black Anodized Finish, Add	*162.38*	
		For >10 To 20, Deduct	*-47.70*	
		For >20 To 40, Deduct	*-87.29*	
		For >40, Deduct	*-182.69*	
26 56 13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,308.71	253.79
		For Bronze Or Satin Anodized Finish, Add	*80.11*	
		For Black Anodized Finish, Add	*160.23*	
		For >10 To 20, Deduct	*-44.73*	
		For >20 To 40, Deduct	*-81.46*	
		For >40, Deduct	*-170.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,407.86	279.17
		For Bronze Or Satin Anodized Finish, Add	*84.95*	
		For Black Anodized Finish, Add	*169.91*	
		For >10 To 20, Deduct	*-47.94*	
		For >20 To 40, Deduct	*-87.38*	
		For >40, Deduct	*-183.26*	
26 56 13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,524.49	304.54
		For Bronze Or Satin Anodized Finish, Add	*91.54*	
		For Black Anodized Finish, Add	*183.08*	
		For >10 To 20, Deduct	*-51.84*	
		For >20 To 40, Deduct	*-94.53*	
		For >40, Deduct	*-198.22*	
26 56 13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,569.66	241.09
		For Bronze Or Satin Anodized Finish, Add	*108.75*	
		For Black Anodized Finish, Add	*217.49*	
		For >10 To 20, Deduct	*-55.55*	
		For >20 To 40, Deduct	*-100.23*	
		For >40, Deduct	*-211.34*	
26 56 13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,910.28	304.54
		For Bronze Or Satin Anodized Finish, Add	*130.12*	
		For Black Anodized Finish, Add	*260.24*	
		For >10 To 20, Deduct	*-67.27*	
		For >20 To 40, Deduct	*-121.54*	
		For >40, Deduct	*-256.09*	
26 56 13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,281.32	406.06
		For Bronze Or Satin Anodized Finish, Add	*146.92*	
		For Black Anodized Finish, Add	*293.84*	
		For >10 To 20, Deduct	*-79.07*	
		For >20 To 40, Deduct	*-143.45*	
		For >40, Deduct	*-301.59*	
26 56 13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,607.83	304.54
		For Bronze Or Satin Anodized Finish, Add	*99.87*	
		For Black Anodized Finish, Add	*199.75*	
		For >10 To 20, Deduct	*-55.18*	
		For >20 To 40, Deduct	*-100.37*	
		For >40, Deduct	*-210.72*	
26 56 13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,072.92	304.54
		For Bronze Or Satin Anodized Finish, Add	*146.38*	
		For Black Anodized Finish, Add	*292.77*	
		For >10 To 20, Deduct	*-73.78*	
		For >20 To 40, Deduct	*-132.92*	
		For >40, Deduct	*-280.48*	
26 56 13 00-0492	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,429.18	406.06
		For Bronze Or Satin Anodized Finish, Add	*161.71*	
		For Black Anodized Finish, Add	*323.41*	
		For >10 To 20, Deduct	*-84.99*	
		For >20 To 40, Deduct	*-153.80*	
		For >40, Deduct	*-323.77*	
26 56 13 00-0493	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,328.32	304.54
		For Bronze Or Satin Anodized Finish, Add	*171.92*	
		For Black Anodized Finish, Add	*343.85*	
		For >10 To 20, Deduct	*-84.00*	
		For >20 To 40, Deduct	*-150.80*	
		For >40, Deduct	*-318.79*	
26 56 13 00-0494	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,762.54	406.06
		For Bronze Or Satin Anodized Finish, Add	*195.04*	
		For Black Anodized Finish, Add	*390.09*	
		For >10 To 20, Deduct	*-98.32*	
		For >20 To 40, Deduct	*-177.14*	
		For >40, Deduct	*-373.78*	
26 56 13 00-0495	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,210.88	456.81
		For Bronze Or Satin Anodized Finish, Add	*229.72*	
		For Black Anodized Finish, Add	*459.45*	
		For >10 To 20, Deduct	*-114.73*	
		For >20 To 40, Deduct	*-206.49*	
		For >40, Deduct	*-435.95*	

26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0474)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0497	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	783.40	126.90
		For Bronze Or Satin Anodized Finish, Add	*52.96*	
		For Black Anodized Finish, Add	*105.92*	
		For >10 To 20, Deduct	*-27.53*	
		For >20 To 40, Deduct	*-49.76*	
		For >40, Deduct	*-104.82*	
26 56 13 00-0498	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	877.34	139.58
		For Bronze Or Satin Anodized Finish, Add	*59.82*	
		For Black Anodized Finish, Add	*119.63*	
		For >10 To 20, Deduct	*-30.91*	
		For >20 To 40, Deduct	*-55.83*	
		For >40, Deduct	*-117.64*	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0499	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	930.94	152.27
		For Bronze Or Satin Anodized Finish, Add	*62.64*	
		For Black Anodized Finish, Add	*125.28*	
		For >10 To 20, Deduct	*-32.67*	
		For >20 To 40, Deduct	*-59.08*	
		For >40, Deduct	*-124.41*	
26 56 13 00-0500	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	964.54	152.27
		For Bronze Or Satin Anodized Finish, Add	*66.00*	
		For Black Anodized Finish, Add	*132.00*	
		For >10 To 20, Deduct	*-34.01*	
		For >20 To 40, Deduct	*-61.43*	
		For >40, Deduct	*-129.45*	
26 56 13 00-0501	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,006.21	152.27
		For Bronze Or Satin Anodized Finish, Add	*70.17*	
		For Black Anodized Finish, Add	*140.33*	
		For >10 To 20, Deduct	*-35.68*	
		For >20 To 40, Deduct	*-64.34*	
		For >40, Deduct	*-135.70*	
26 56 13 00-0502	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,174.09	164.96
		For Bronze Or Satin Anodized Finish, Add	*84.42*	
		For Black Anodized Finish, Add	*168.83*	
		For >10 To 20, Deduct	*-42.01*	
		For >20 To 40, Deduct	*-75.59*	
		For >40, Deduct	*-159.62*	
26 56 13 00-0503	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,257.26	177.65
		For Bronze Or Satin Anodized Finish, Add	*90.20*	
		For Black Anodized Finish, Add	*180.39*	
		For >10 To 20, Deduct	*-44.96*	
		For >20 To 40, Deduct	*-80.90*	
		For >40, Deduct	*-170.82*	
26 56 13 00-0504	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,468.30	177.65
		For Bronze Or Satin Anodized Finish, Add	*111.30*	
		For Black Anodized Finish, Add	*222.60*	
		For >10 To 20, Deduct	*-53.40*	
		For >20 To 40, Deduct	*-95.68*	
		For >40, Deduct	*-202.48*	
26 56 13 00-0505	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,688.43	203.03
		For Bronze Or Satin Anodized Finish, Add	*128.24*	
		For Black Anodized Finish, Add	*256.47*	
		For >10 To 20, Deduct	*-61.45*	
		For >20 To 40, Deduct	*-110.07*	
		For >40, Deduct	*-232.96*	
26 56 13 00-0506	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	2,160.24	203.03
		For Bronze Or Satin Anodized Finish, Add	*175.42*	
		For Black Anodized Finish, Add	*350.84*	
		For >10 To 20, Deduct	*-80.32*	
		For >20 To 40, Deduct	*-143.10*	
		For >40, Deduct	*-303.73*	

26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0508	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	44.31
26 56 13 00-0509	EA	Extra Handhole For Aluminum Area Light Poles	50.10
26 56 13 00-0510	EA	Festoon Outlet Provision For Aluminum Area Light Poles Note: Excludes electrical outlet.	51.32
26 56 13 00-0511	EA	Vibration Dampener For Aluminum Area Light Poles	67.03

26 56 13 00-0512 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0512)*

26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0513)*

26 56 13 00-0515	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,090.13	177.65
		For >10 To 20, Deduct	*-38.28*	
		For >20 To 40, Deduct	*-69.20*	
		For >40, Deduct	*-145.75*	
26 56 13 00-0516	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,184.63	203.03
		For >10 To 20, Deduct	*-41.29*	
		For >20 To 40, Deduct	*-74.80*	
		For >40, Deduct	*-157.39*	
26 56 13 00-0517	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,280.37	228.41
		For >10 To 20, Deduct	*-44.36*	
		For >20 To 40, Deduct	*-80.49*	
		For >40, Deduct	*-169.22*	
26 56 13 00-0518	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,374.87	253.79
		For >10 To 20, Deduct	*-47.38*	
		For >20 To 40, Deduct	*-86.09*	
		For >40, Deduct	*-180.85*	
26 56 13 00-0519	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,491.86	279.17
		For >10 To 20, Deduct	*-51.30*	
		For >20 To 40, Deduct	*-93.26*	
		For >40, Deduct	*-195.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,588.86	304.54
		For >10 To 20, Deduct	*-54.42*	
		For >20 To 40, Deduct	*-99.04*	
		For >40, Deduct	*-207.87*	
26 56 13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,735.36	355.30
		For >10 To 20, Deduct	*-58.76*	
		For >20 To 40, Deduct	*-107.26*	
		For >40, Deduct	*-224.77*	
26 56 13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,880.61	406.06
		For >10 To 20, Deduct	*-63.04*	
		For >20 To 40, Deduct	*-115.40*	
		For >40, Deduct	*-241.49*	
26 56 13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,981.84	406.06
		For >10 To 20, Deduct	*-67.09*	
		For >20 To 40, Deduct	*-122.49*	
		For >40, Deduct	*-256.67*	
26 56 13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,121.34	431.44
		For >10 To 20, Deduct	*-71.91*	
		For >20 To 40, Deduct	*-131.24*	
		For >40, Deduct	*-275.06*	
26 56 13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,260.83	456.81
		For >10 To 20, Deduct	*-76.73*	
		For >20 To 40, Deduct	*-139.99*	
		For >40, Deduct	*-293.44*	
26 56 13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,205.10	177.65
		For >10 To 20, Deduct	*-42.87*	
		For >20 To 40, Deduct	*-77.25*	
		For >40, Deduct	*-163.00*	
26 56 13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,277.11	203.03
		For >10 To 20, Deduct	*-44.99*	
		For >20 To 40, Deduct	*-81.28*	
		For >40, Deduct	*-171.26*	
26 56 13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,350.35	228.41
		For >10 To 20, Deduct	*-47.16*	
		For >20 To 40, Deduct	*-85.39*	
		For >40, Deduct	*-179.71*	
26 56 13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,426.11	253.79
		For >10 To 20, Deduct	*-49.43*	
		For >20 To 40, Deduct	*-89.68*	
		For >40, Deduct	*-188.54*	
26 56 13 00-0530	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,508.11	279.17
		For >10 To 20, Deduct	*-51.95*	
		For >20 To 40, Deduct	*-94.40*	
		For >40, Deduct	*-198.30*	
26 56 13 00-0531	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,588.86	304.54
		For >10 To 20, Deduct	*-54.42*	
		For >20 To 40, Deduct	*-99.04*	
		For >40, Deduct	*-207.87*	
26 56 13 00-0532	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,720.37	355.30
		For >10 To 20, Deduct	*-58.16*	
		For >20 To 40, Deduct	*-106.21*	
		For >40, Deduct	*-222.53*	
26 56 13 00-0533	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,880.61	406.06
		For >10 To 20, Deduct	*-63.04*	
		For >20 To 40, Deduct	*-115.40*	
		For >40, Deduct	*-241.49*	
26 56 13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,923.10	406.06
		For >10 To 20, Deduct	*-64.74*	
		For >20 To 40, Deduct	*-118.37*	
		For >40, Deduct	*-247.86*	
26 56 13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,017.61	431.44
		For >10 To 20, Deduct	*-67.76*	
		For >20 To 40, Deduct	*-123.98*	
		For >40, Deduct	*-259.50*	
26 56 13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,112.11	456.81
		For >10 To 20, Deduct	*-70.78*	
		For >20 To 40, Deduct	*-129.57*	
		For >40, Deduct	*-271.13*	
26 56 13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,373.81	177.65
		For >10 To 20, Deduct	*-49.62*	
		For >20 To 40, Deduct	*-89.06*	
		For >40, Deduct	*-188.31*	
26 56 13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,463.31	203.03
		For >10 To 20, Deduct	*-52.44*	
		For >20 To 40, Deduct	*-94.31*	
		For >40, Deduct	*-199.19*	
26 56 13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,552.81	228.41
		For >10 To 20, Deduct	*-55.26*	
		For >20 To 40, Deduct	*-99.56*	
		For >40, Deduct	*-210.08*	
26 56 13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,643.56	253.79
		For >10 To 20, Deduct	*-58.13*	
		For >20 To 40, Deduct	*-104.90*	
		For >40, Deduct	*-221.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0541	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,739.31	279.17
		For >10 To 20, Deduct	*-61.20*	
		For >20 To 40, Deduct	*-110.59*	
		For >40, Deduct	*-232.98*	
26 56 13 00-0542	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,842.55	304.54
		For >10 To 20, Deduct	*-64.57*	
		For >20 To 40, Deduct	*-116.80*	
		For >40, Deduct	*-245.93*	
26 56 13 00-0543	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,007.80	355.30
		For >10 To 20, Deduct	*-69.65*	
		For >20 To 40, Deduct	*-126.33*	
		For >40, Deduct	*-265.64*	
26 56 13 00-0544	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,174.29	406.06
		For >10 To 20, Deduct	*-74.79*	
		For >20 To 40, Deduct	*-135.96*	
		For >40, Deduct	*-285.54*	
26 56 13 00-0545	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,239.28	406.06
		For >10 To 20, Deduct	*-77.39*	
		For >20 To 40, Deduct	*-140.51*	
		For >40, Deduct	*-295.29*	
26 56 13 00-0546	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,392.52	431.44
		For >10 To 20, Deduct	*-82.76*	
		For >20 To 40, Deduct	*-150.22*	
		For >40, Deduct	*-315.73*	
26 56 13 00-0547	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,517.02	456.81
		For >10 To 20, Deduct	*-86.98*	
		For >20 To 40, Deduct	*-157.92*	
		For >40, Deduct	*-331.87*	
26 56 13 00-0548	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,616.12	469.51
		For >10 To 20, Deduct	*-90.56*	
		For >20 To 40, Deduct	*-164.35*	
		For >40, Deduct	*-345.47*	
26 56 13 00-0549	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,715.24	482.20
		For >10 To 20, Deduct	*-94.14*	
		For >20 To 40, Deduct	*-170.78*	
		For >40, Deduct	*-359.07*	
26 56 13 00-0550		Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0513)*		
26 56 13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	673.69	126.90
		For >10 To 20, Deduct	*-23.14*	
		For >20 To 40, Deduct	*-42.08*	
		For >40, Deduct	*-88.36*	
26 56 13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	722.82	139.58
		For >10 To 20, Deduct	*-24.73*	
		For >20 To 40, Deduct	*-45.01*	
		For >40, Deduct	*-94.46*	
26 56 13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	770.68	152.27
		For >10 To 20, Deduct	*-26.26*	
		For >20 To 40, Deduct	*-47.86*	
		For >40, Deduct	*-100.38*	
26 56 13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	791.93	152.27
		For >10 To 20, Deduct	*-27.11*	
		For >20 To 40, Deduct	*-49.34*	
		For >40, Deduct	*-103.56*	
26 56 13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	852.31	164.96
		For >10 To 20, Deduct	*-29.14*	
		For >20 To 40, Deduct	*-53.06*	
		For >40, Deduct	*-111.35*	
26 56 13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	902.67	177.65
		For >10 To 20, Deduct	*-30.78*	
		For >20 To 40, Deduct	*-56.08*	
		For >40, Deduct	*-117.64*	
26 56 13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	956.80	190.34
		For >10 To 20, Deduct	*-32.56*	
		For >20 To 40, Deduct	*-59.36*	
		For >40, Deduct	*-124.49*	
26 56 13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,017.17	203.03
		For >10 To 20, Deduct	*-34.60*	
		For >20 To 40, Deduct	*-63.08*	
		For >40, Deduct	*-132.27*	
26 56 13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,137.14	203.03
		For >10 To 20, Deduct	*-39.39*	
		For >20 To 40, Deduct	*-71.48*	
		For >40, Deduct	*-150.27*	
26 56 13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,282.49	215.72
		For >10 To 20, Deduct	*-44.83*	
		For >20 To 40, Deduct	*-81.15*	
		For >40, Deduct	*-170.80*	
26 56 13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,427.83	228.41
		For >10 To 20, Deduct	*-50.26*	
		For >20 To 40, Deduct	*-90.81*	
		For >40, Deduct	*-191.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	788.67	126.90
		For >10 To 20, Deduct	*-27.74*	
		For >20 To 40, Deduct	*-50.13*	
		For >40, Deduct	*-105.61*	
26 56 13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	844.04	139.58
		For >10 To 20, Deduct	*-29.57*	
		For >20 To 40, Deduct	*-53.50*	
		For >40, Deduct	*-112.65*	
26 56 13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	899.40	152.27
		For >10 To 20, Deduct	*-31.41*	
		For >20 To 40, Deduct	*-56.87*	
		For >40, Deduct	*-119.68*	
26 56 13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	930.64	152.27
		For >10 To 20, Deduct	*-32.66*	
		For >20 To 40, Deduct	*-59.05*	
		For >40, Deduct	*-124.37*	
26 56 13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	986.03	164.96
		For >10 To 20, Deduct	*-34.49*	
		For >20 To 40, Deduct	*-62.42*	
		For >40, Deduct	*-131.41*	
26 56 13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,041.39	177.65
		For >10 To 20, Deduct	*-36.33*	
		For >20 To 40, Deduct	*-65.79*	
		For >40, Deduct	*-138.44*	
26 56 13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,096.76	190.34
		For >10 To 20, Deduct	*-38.16*	
		For >20 To 40, Deduct	*-69.16*	
		For >40, Deduct	*-145.48*	
26 56 13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,180.88	203.03
		For >10 To 20, Deduct	*-41.14*	
		For >20 To 40, Deduct	*-74.54*	
		For >40, Deduct	*-156.83*	
26 56 13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,297.10	203.03
		For >10 To 20, Deduct	*-45.79*	
		For >20 To 40, Deduct	*-82.68*	
		For >40, Deduct	*-174.26*	
26 56 13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,439.96	215.72
		For >10 To 20, Deduct	*-51.13*	
		For >20 To 40, Deduct	*-92.17*	
		For >40, Deduct	*-194.42*	
26 56 13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,581.55	228.41
		For >10 To 20, Deduct	*-56.41*	
		For >20 To 40, Deduct	*-101.57*	
		For >40, Deduct	*-214.39*	
26 56 13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	889.89	126.90
		For >10 To 20, Deduct	*-31.79*	
		For >20 To 40, Deduct	*-57.22*	
		For >40, Deduct	*-120.79*	
26 56 13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	937.77	139.58
		For >10 To 20, Deduct	*-33.32*	
		For >20 To 40, Deduct	*-60.06*	
		For >40, Deduct	*-126.71*	
26 56 13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	984.38	152.27
		For >10 To 20, Deduct	*-34.81*	
		For >20 To 40, Deduct	*-62.82*	
		For >40, Deduct	*-132.43*	
26 56 13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,005.63	152.27
		For >10 To 20, Deduct	*-35.66*	
		For >20 To 40, Deduct	*-64.30*	
		For >40, Deduct	*-135.62*	
26 56 13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,052.26	164.96
		For >10 To 20, Deduct	*-37.14*	
		For >20 To 40, Deduct	*-67.06*	
		For >40, Deduct	*-141.34*	
26 56 13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,100.13	177.65
		For >10 To 20, Deduct	*-38.68*	
		For >20 To 40, Deduct	*-69.90*	
		For >40, Deduct	*-147.25*	
26 56 13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,190.49	190.34
		For >10 To 20, Deduct	*-41.91*	
		For >20 To 40, Deduct	*-75.72*	
		For >40, Deduct	*-159.54*	
26 56 13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,295.85	203.03
		For >10 To 20, Deduct	*-45.74*	
		For >20 To 40, Deduct	*-82.59*	
		For >40, Deduct	*-174.07*	
26 56 13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,368.34	203.03
		For >10 To 20, Deduct	*-48.64*	
		For >20 To 40, Deduct	*-87.66*	
		For >40, Deduct	*-184.95*	
26 56 13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,467.45	215.72
		For >10 To 20, Deduct	*-52.23*	
		For >20 To 40, Deduct	*-94.09*	
		For >40, Deduct	*-198.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,566.55	228.41
		For >10 To 20, Deduct	*-55.81*	
		For >20 To 40, Deduct	*-100.52*	
		For >40, Deduct	*-212.14*	
26 56 13 00-0584		**Factory Accessories For Fiberglass Area Light Poles** *(26 56 13 00-0512)*		
26 56 13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles	44.31	
26 56 13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	44.31	
26 56 13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	84.07	
26 56 13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles Note: Excludes electrical outlet.	88.62	
26 56 13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles	111.34	
26 56 13 00-0590		**Concrete Area Light Poles** *(26 56 13 00-0177)*		
26 56 13 00-0591		**Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base** *(26 56 13 00-0590)*		
26 56 13 00-0592	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,879.80	431.44
26 56 13 00-0593	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,981.41	456.81
26 56 13 00-0594	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,056.44	469.51
26 56 13 00-0595	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,582.96	482.20
26 56 13 00-0596	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,876.48	507.57
26 56 13 00-0597	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,552.21	659.84
26 56 13 00-0598	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,250.01	812.11
26 56 13 00-0599	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,210.94	431.44
26 56 13 00-0600	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,870.44	456.81
26 56 13 00-0601	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	448.09	152.27
26 56 13 00-0602	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,526.46	304.44
26 56 13 00-0603	EA	Pole Base Cover For All Octagon Poles	174.37	62.13
26 56 13 00-0604	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	356.49	124.25
26 56 13 00-0605		**Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0590)* Note: Round or square.		
26 56 13 00-0606	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,085.89	203.03
26 56 13 00-0607	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,350.78	253.79
26 56 13 00-0608	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,589.58	304.54
26 56 13 00-0609	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,599.95	456.81
26 56 13 00-0610	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,162.69	482.20
26 56 13 00-0611	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,771.68	507.57
26 56 13 00-0612	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,513.24	659.84
26 56 13 00-0613		**Round Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0590)*		
26 56 13 00-0614	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	10,730.69	1,142.04
26 56 13 00-0615	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	12,779.75	1,405.79
26 56 13 00-0616	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	15,200.60	1,899.05
26 56 13 00-0617		**Treated Wood Area Light Poles** *(26 56 13 00-0177)* See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618		**Cast Iron Decorative Light Posts** *(26 56 13 00-0177)*		
26 56 13 00-0619		**Round Tapered, Cast Iron Decorative Light Post, Anchor Base** *(26 56 13 00-0618)* Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	829.17	126.90
26 56 13 00-0621	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	883.02	146.18
26 56 13 00-0622	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	953.21	152.27
26 56 13 00-0623	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,164.60	177.65
26 56 13 00-0624	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,350.04	192.88
26 56 13 00-0625	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,543.96	208.11
26 56 13 00-0626		**Landscape Light Poles** *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0627		**Aluminum Landscape Light Poles** *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0628		**Round Straight, Aluminum Landscape Light Poles** *(26 56 13 00-0627)*		
26 56 13 00-0629		**Round Straight, Aluminum Landscape Light Poles, Anchor Base** *(26 56 13 00-0628)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	424.16	152.27
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	784.64	203.03
26 56 13 00-0632		**Round Straight, Aluminum Landscape Light Poles, Direct Burial** *(26 56 13 00-0628)*		
26 56 13 00-0633	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	367.87	152.27
26 56 13 00-0634	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	728.35	203.03

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0635		Steel Landscape Light Poles *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0635)*		
26 56 13 00-0637		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0636)*		
26 56 13 00-0638	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	380.18	152.27
26 56 13 00-0639		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0636)*		
26 56 13 00-0640	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	363.24	152.27
26 56 13 00-0641		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0642		Light Pole Brackets *(26 56 13 00-0641)*		
26 56 13 00-0643		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*		
26 56 13 00-0644		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*		
26 56 13 00-0645		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)* Note: Includes powdercoat finish.		
26 56 13 00-0646	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	364.26	30.45
		For Galvanized Finish, Add	*30.34*	
26 56 13 00-0647	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	455.79	30.45
		For Galvanized Finish, Add	*39.49*	
26 56 13 00-0648	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	483.73	30.45
		For Galvanized Finish, Add	*42.28*	
26 56 13 00-0649	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	656.18	30.45
		For Galvanized Finish, Add	*59.53*	
26 56 13 00-0650	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	683.03	30.45
		For Galvanized Finish, Add	*62.21*	
26 56 13 00-0651		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)* Note: Includes satin brushed or painted finish.		
26 56 13 00-0652	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	280.01	30.45
		For Bronze Or Satin Anodized Finish, Add	*21.91*	
		For Black Anodized Finish, Add	*43.82*	
26 56 13 00-0653	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	349.91	30.45
		For Bronze Or Satin Anodized Finish, Add	*28.90*	
		For Black Anodized Finish, Add	*57.80*	
26 56 13 00-0654	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	368.73	30.45
		For Bronze Or Satin Anodized Finish, Add	*30.78*	
		For Black Anodized Finish, Add	*61.56*	
26 56 13 00-0655	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	434.60	30.45
		For Bronze Or Satin Anodized Finish, Add	*37.37*	
		For Black Anodized Finish, Add	*74.74*	
26 56 13 00-0656	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	448.04	30.45
		For Bronze Or Satin Anodized Finish, Add	*38.71*	
		For Black Anodized Finish, Add	*77.43*	
26 56 13 00-0657		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*		
26 56 13 00-0658		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0657)* Note: Includes powdercoat finish.		
26 56 13 00-0659	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	390.40	30.45
		For Galvanized Finish, Add	*32.95*	
26 56 13 00-0660	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	478.07	30.45
		For Galvanized Finish, Add	*41.72*	
26 56 13 00-0661	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	581.03	30.45
		For Galvanized Finish, Add	*52.01*	
26 56 13 00-0662	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	684.48	30.45
		For Galvanized Finish, Add	*62.36*	
26 56 13 00-0663		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*		
26 56 13 00-0664		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0663)* Note: Includes powdercoat finish.		
26 56 13 00-0665	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	382.10	50.76
26 56 13 00-0666	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	561.54	50.76
26 56 13 00-0667	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	773.85	50.76
26 56 13 00-0668	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	843.70	50.76
26 56 13 00-0669		Light Pole Arms *(26 56 13 00-0641)*		
26 56 13 00-0670		Wood Pole Streetlight Arms *(26 56 13 00-0669)*		
26 56 13 00-0671		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0670)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0672	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	231.30	45.69
26 56 13 00-0673	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	246.14	50.76
26 56 13 00-0674	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	288.03	63.45
26 56 13 00-0675	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	332.13	50.76
26 56 13 00-0676	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	373.77	63.45
26 56 13 00-0677	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	453.22	76.14
26 56 13 00-0678		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0670)*		
26 56 13 00-0679	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	252.03	50.76
26 56 13 00-0680	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	329.23	50.76
26 56 13 00-0681	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	446.33	63.45
26 56 13 00-0682	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	595.40	76.14
26 56 13 00-0683		**Area Light Arms** *(26 56 13 00-0669)*		
26 56 13 00-0684		**Steel Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0685	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	421.44	50.76
26 56 13 00-0686	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	647.80	55.84
26 56 13 00-0687	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	719.18	60.91
26 56 13 00-0688	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	850.55	65.99
26 56 13 00-0689	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	504.31	63.45
26 56 13 00-0690	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	708.17	68.52
26 56 13 00-0691		**Aluminum Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	320.61	50.76
26 56 13 00-0693	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	394.40	63.45
26 56 13 00-0694	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	470.85	76.14
26 56 13 00-0695	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	317.93	50.76
26 56 13 00-0696	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	473.26	55.84
26 56 13 00-0697	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	389.02	63.45
26 56 13 00-0698	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	576.60	68.52
26 56 13 00-0699	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	473.53	76.14
26 56 13 00-0700	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	702.79	81.21
26 56 13 00-0701		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0702	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,674.99	
26 56 13 00-0703		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0704		**High Mast Lighting Assemblies** *(26 56 13 00-0703)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705	EA	60' High Mast Lighting Assembly	31,945.61	1,560.48
26 56 13 00-0706	EA	70' High Mast Lighting Assembly	33,739.69	1,634.36
26 56 13 00-0707	EA	80' High Mast Lighting Assembly	35,564.93	1,741.11
26 56 13 00-0708	EA	90' High Mast Lighting Assembly	37,420.22	1,880.70
26 56 13 00-0709	EA	100' High Mast Lighting Assembly	39,294.31	2,053.07
26 56 13 00-0710	EA	110' High Mast Lighting Assembly	41,706.79	2,258.53
26 56 13 00-0711	EA	120' High Mast Lighting Assembly	43,667.15	2,463.83
26 56 13 00-0712	EA	130' High Mast Lighting Assembly	45,483.07	2,669.13
26 56 13 00-0713	EA	140' High Mast Lighting Assembly	47,443.44	2,874.52
26 56 13 00-0714	EA	150' High Mast Lighting Assembly	49,812.54	3,079.81
26 56 13 00-0715		**High Mast Light Poles** *(26 56 13 00-0703)*		
26 56 13 00-0716	EA	60' High Mast Light Poles	12,373.22	937.20
26 56 13 00-0717	EA	70' High Mast Light Poles	14,145.12	981.58
26 56 13 00-0718	EA	80' High Mast Light Poles	15,938.29	1,045.70
26 56 13 00-0719	EA	90' High Mast Light Poles	17,751.66	1,129.56
26 56 13 00-0720	EA	100' High Mast Light Poles	19,586.30	1,233.15
26 56 13 00-0721	EA	110' High Mast Light Poles	21,442.21	1,356.46
26 56 13 00-0722	EA	120' High Mast Light Poles	22,859.42	1,479.78
26 56 13 00-0723	EA	130' High Mast Light Poles	22,528.01	2,742.52
26 56 13 00-0724	EA	140' High Mast Light Poles	25,548.31	1,726.41
26 56 13 00-0725	EA	150' High Mast Light Poles	27,111.04	1,849.72
26 56 13 00-0726		**High Mast Lighting Accessories** *(26 56 13 00-0703)*		
		See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0727	EA	Bottom Latching System For High Mast Lighting	575.69	
26 56 13 00-0728	EA	Top Latching System For High Mast Lighting	1,602.55	
26 56 13 00-0729	EA	Centering Springs For High Mast Lighting	1,213.42	
26 56 13 00-0730	EA	Electric Power Cord For High Mast Lighting	517.19	
26 56 13 00-0731	EA	Aircraft Warning Lights For High Mast Lighting	975.00	
26 56 13 00-0732	EA	Internal Motorized Hoist For High Mast Lighting	10,121.61	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0733	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	10,199.62	
26 56 13 00-0734		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0735		Concrete Bases, Cast In Place *(26 56 13 00-0734)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0736	VLF	2' Diameter Concrete Base For Poles	77.73	
26 56 13 00-0737	VLF	2-1/2' Diameter Concrete Base For Poles	99.32	
26 56 13 00-0738	VLF	3' Diameter Concrete Base For Poles	122.00	
26 56 13 00-0739	VLF	3-1/2' Diameter Concrete Base For Poles	152.89	
26 56 13 00-0740	VLF	4' Diameter Concrete Base For Poles	183.27	
26 56 13 00-0741	VLF	5' Diameter Concrete Base For Poles	252.90	
26 56 13 00-0742	VLF	6' Diameter Concrete Base For Poles	335.99	
26 56 19		**Roadway Lighting** *(26 56)*		
26 56 19 00-0001		Metal Halide, Pole Mounted *(26 56 19)*		
26 56 19 00-0002	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	294.42	205.58
26 56 19 00-0003	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	317.90	223.15
26 56 19 00-0004	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	345.98	240.05
26 56 19 00-0005	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	487.56	281.34
26 56 19 00-0006		High Pressure Sodium, Pole Mounted *(26 56 19)*		
26 56 19 00-0007	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	274.64	240.05
26 56 19 00-0008	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	273.66	240.05
26 56 19 00-0009	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	283.19	240.05
26 56 19 00-0010	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	291.68	240.05
26 56 19 00-0011	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	337.25	240.05
26 56 19 00-0012	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	503.80	240.05
26 56 19 00-0013		Low Pressure Sodium, Pole Mounted *(26 56 19)*		
26 56 19 00-0014	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	317.36	130.59
26 56 19 00-0015	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	440.26	192.04
26 56 19 00-0016	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	473.66	192.04
26 56 19 00-0017		Street Light Accessories *(26 56 19)*		
26 56 19 00-0018		Photo Controls *(26 56 19 00-0017)*		
26 56 19 00-0019	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	78.85	
26 56 19 00-0020	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	91.35	
26 56 19 00-0021		High Mast Fixtures *(26 56 19)*		
26 56 19 00-0022		Metal Halide *(26 56 19 00-0021)*		
26 56 19 00-0023	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	186.93	126.07
26 56 19 00-0024	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	186.93	126.07
26 56 19 00-0025	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	212.84	144.03
26 56 19 00-0026	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	212.84	144.03
26 56 19 00-0027	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	260.85	180.04
26 56 19 00-0028	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	260.85	180.04
26 56 19 00-0029		High Pressure Sodium *(26 56 19 00-0021)*		
26 56 19 00-0030	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	178.20	126.07
26 56 19 00-0031	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	178.20	126.07
26 56 19 00-0032	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	214.68	133.28
26 56 19 00-0033	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	229.08	144.03
26 56 19 00-0034	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	277.09	180.04
26 56 19 00-0035		LED Roadway Lighting *(26 56 19)*		
26 56 19 00-0036		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0035)*		
26 56 19 00-0037		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0036)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038	EA	49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	947.72	122.27
26 56 19 00-0039	EA	98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,450.93	125.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0040		**LED Roadway Lighting (Lithonia)** *(26 56 19 00-0035)*		
26 56 19 00-0041		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)** *(26 56 19 00-0040)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042	EA	30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,349.85	115.66
26 56 19 00-0043	EA	60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,200.24	118.97
26 56 19 00-0044		**LED Roadway Lighting (CREE® BetaLED®)** *(26 56 19 00-0035)*		
26 56 19 00-0045		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)** *(26 56 19 00-0044)* Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0046	EA	20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	620.59	112.36
26 56 19 00-0047	EA	30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	694.34	115.66
26 56 19 00-0048	EA	40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	783.13	118.97
26 56 19 00-0049	EA	50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	858.04	122.27
26 56 19 00-0050	EA	60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	932.94	125.58
26 56 19 00-0051	EA	70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,109.70	128.89
26 56 19 00-0052	EA	80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,184.60	132.19
26 56 19 00-0053	EA	90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,258.34	135.50
26 56 19 00-0054	EA	100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,401.54	138.80
26 56 19 00-0055	EA	110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,476.45	142.11
26 56 19 00-0056	EA	120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,551.36	145.41
26 56 19 00-0057		**Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)** *(26 56 19 00-0044)* Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058	EA	40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,205.63	118.97
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0059	EA	60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,389.00	125.58
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0060	EA	80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,572.37	132.19
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0061	EA	100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,755.74	138.80
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0062	EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,300.27	145.41
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0063	EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,483.65	152.02
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0064	EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,667.02	158.63
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 19 00-0065		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)** *(26 56 19 00-0044)* Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0066	EA	4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	523.20	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Backlight Control Shield, Add	*24.81*	
		For Field Adjustable Output, Add	*20.48*	
		For Bird Spikes, Add	*37.70*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Fuse, Add	*40.95*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0067	EA	5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	523.20	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Backlight Control Shield, Add	*24.81*	
		For Field Adjustable Output, Add	*20.48*	
		For Bird Spikes, Add	*37.70*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Fuse, Add	*40.95*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 19 00-0068	EA	8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	574.80	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Backlight Control Shield, Add	*24.81*	
		For Field Adjustable Output, Add	*20.48*	
		For Bird Spikes, Add	*37.70*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
26 56 19 00-0069	EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	574.80	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Backlight Control Shield, Add	*24.81*	
		For Field Adjustable Output, Add	*20.48*	
		For Bird Spikes, Add	*37.70*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
26 56 19 00-0070	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	666.53	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*34.83*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Fuse, Add	*40.95*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For Bird Spikes, Add	*60.64*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 19 00-0071	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	666.53	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*34.83*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Fuse, Add	*40.95*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For Bird Spikes, Add	*60.64*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 19 00-0072	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	752.55	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*34.83*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For Bird Spikes, Add	*60.64*	
		For 480 Volt, Add	*61.44*	
26 56 19 00-0073	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	752.55	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*34.83*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For Bird Spikes, Add	*60.64*	
		For 480 Volt, Add	*61.44*	
26 56 19 00-0074	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	431.45	118.97
		For Utility Label, Add	*6.82*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*20.48*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
26 56 19 00-0075	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	431.45	118.97
		For Utility Label, Add	*6.82*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*20.48*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
26 56 19 00-0076	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	452.96	118.97
		For Utility Label, Add	*6.82*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*20.48*	
		For 0 To 10 Volt Dimming, Add	*40.95*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0077	EA	4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	452.96	118.97
		For Utility Label, Add	*6.82*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*20.48*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
26 56 19 00-0078	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	460.13	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
26 56 19 00-0079	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	460.13	118.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Field Adjustable Output And Utility Label, Add	*27.31*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	

26 56 19 00-0080 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0044)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0081	EA	3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	445.80	118.97
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*46.03*	
		For Bird Spikes, Add	*61.04*	
26 56 19 00-0082	EA	3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	445.80	118.97
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*46.03*	
		For Bird Spikes, Add	*61.04*	
26 56 19 00-0083	EA	5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	460.13	118.97
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*46.03*	
		For Bird Spikes, Add	*61.04*	
26 56 19 00-0084	EA	5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	460.13	118.97
		For Field Adjustable Output, Add	*20.48*	
		For Backlight Control Shield, Add	*46.03*	
		For Bird Spikes, Add	*61.04*	

26 56 19 00-0085 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0035)*

26 56 19 00-0086 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0085)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0087	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	622.58	118.97
26 56 19 00-0088	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	831.12	132.19
26 56 19 00-0089	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	895.99	152.02
26 56 19 00-0090	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,306.46	165.24
26 56 19 00-0091	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,700.99	188.11

26 56 19 00-0092 LED Roadway Lighting (PlanLED) *(26 56 19 00-0035)*

26 56 19 00-0093 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0092)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0094	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	736.79	115.66
26 56 19 00-0095	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	797.57	116.94
26 56 19 00-0096	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	845.89	118.97

26 56 19 00-0097 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0092)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0098	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	501.76	112.87
26 56 19 00-0099	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	534.94	114.91
26 56 19 00-0100	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	586.76	116.94

26 56 19 00-0101 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0092)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0102	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	620.54	116.94
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*49.88*	
26 56 19 00-0103	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	683.14	117.95
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*14.73*	
26 56 19 00-0104	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	731.76	118.97
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*-5.28*	

26 56 19 00-0105 LED Roadway Lighting (General Electric) *(26 56 19 00-0035)*

26 56 19 00-0106 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0105)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0107	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	394.85	112.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-27.22*	
26 56 19 00-0108	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	397.91	113.89
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-27.22*	
26 56 19 00-0109	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	413.23	115.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-18.19*	
		For >500, Deduct	*-27.29*	
26 56 19 00-0110	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	428.61	116.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-19.47*	
		For >500, Deduct	*-29.21*	
26 56 19 00-0111	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	469.01	119.48
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-23.01*	
		For >500, Deduct	*-48.31*	
26 56 19 00-0112	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	490.30	120.50
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-24.93*	
		For >500, Deduct	*-37.40*	
26 56 19 00-0113	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	530.24	122.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-28.57*	
		For >500, Deduct	*-42.85*	
26 56 19 00-0114	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	614.96	125.58
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-36.38*	
		For >500, Deduct	*-54.57*	
26 56 19 00-0115	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	713.77	132.19
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-44.94*	
		For >500, Deduct	*-67.41*	

26 56 19 00-0116 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0035)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0117		Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0116)* Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0118	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	715.36	115.66
26 56 19 00-0119	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	877.19	118.97
26 56 19 00-0120	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,203.51	122.27
26 56 19 00-0121	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,532.79	127.10
26 56 19 00-0122	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,854.07	130.66
26 56 19 00-0123		LED Roadway Lighting (Leotek) *(26 56 19 00-0035)*		
26 56 19 00-0124		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0123)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0125	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	404.35	115.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-17.30*	
		For >1,000 To 2,500, Deduct	*-24.22*	
		For >2,500, Deduct	*-31.14*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0126	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	412.51	116.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-17.86*	
		For >1,000 To 2,500, Deduct	*-25.01*	
		For >2,500, Deduct	*-32.16*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0127	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	436.51	117.70
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-20.11*	
		For >1,000 To 2,500, Deduct	*-28.16*	
		For >2,500, Deduct	*-36.20*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0128	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	499.58	122.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-25.50*	
		For >1,000 To 2,500, Deduct	*-35.70*	
		For >2,500, Deduct	*-45.91*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0129	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	575.85	125.58
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-32.47*	
		For >1,000 To 2,500, Deduct	*-45.46*	
		For >2,500, Deduct	*-58.44*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0130	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	579.92	127.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-32.47*	
		For >1,000 To 2,500, Deduct	*-45.46*	
		For >2,500, Deduct	*-58.44*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0131	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	697.46	129.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-43.82*	
		For >1,000 To 2,500, Deduct	*-61.34*	
		For >2,500, Deduct	*-78.87*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0132	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	729.50	132.19
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-46.51*	
		For >1,000 To 2,500, Deduct	*-65.12*	
		For >2,500, Deduct	*-83.72*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0133	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	807.72	134.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-53.93*	
		For >1,000 To 2,500, Deduct	*-75.50*	
		For >2,500, Deduct	*-97.07*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0134	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	862.35	136.25
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-58.98*	
		For >1,000 To 2,500, Deduct	*-82.58*	
		For >2,500, Deduct	*-106.17*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0135	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	459.69	116.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-22.58*	
		For >1,000 To 2,500, Deduct	*-31.61*	
		For >2,500, Deduct	*-40.65*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0136	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	500.63	119.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-26.07*	
		For >1,000 To 2,500, Deduct	*-36.49*	
		For >2,500, Deduct	*-46.92*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0137	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	536.66	122.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-29.21*	
		For >1,000 To 2,500, Deduct	*-40.90*	
		For >2,500, Deduct	*-52.58*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0138	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	568.09	125.07
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-31.80*	
		For >1,000 To 2,500, Deduct	*-44.51*	
		For >2,500, Deduct	*-57.23*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0139	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	599.33	126.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-34.72*	
		For >1,000 To 2,500, Deduct	*-48.60*	
		For >2,500, Deduct	*-62.49*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0140	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	703.98	130.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-44.27*	
		For >1,000 To 2,500, Deduct	*-61.97*	
		For >2,500, Deduct	*-79.68*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0141	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	788.84	133.21
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-52.24*	
		For >1,000 To 2,500, Deduct	*-73.14*	
		For >2,500, Deduct	*-94.04*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0142	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	834.80	133.71
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-56.74*	
		For >1,000 To 2,500, Deduct	*-79.43*	
		For >2,500, Deduct	*-102.13*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0143	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	879.42	135.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-60.89*	
		For >1,000 To 2,500, Deduct	*-85.25*	
		For >2,500, Deduct	*-109.61*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0144	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	494.54	127.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-23.93*	
		For >1,000 To 2,500, Deduct	*-33.50*	
		For >2,500, Deduct	*-43.08*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0145	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	530.78	128.89
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-27.30*	
		For >1,000 To 2,500, Deduct	*-38.22*	
		For >2,500, Deduct	*-49.14*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0146	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	389.54	116.68
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-15.62*	
		For >1,000 To 2,500, Deduct	*-21.86*	
		For >2,500, Deduct	*-28.11*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0147	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	396.06	117.70
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-16.07*	
		For >1,000 To 2,500, Deduct	*-22.49*	
		For >2,500, Deduct	*-28.92*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0148	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	426.48	119.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-18.65*	
		For >1,000 To 2,500, Deduct	*-26.11*	
		For >2,500, Deduct	*-33.57*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0149	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	628.93	129.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-36.96*	
		For >1,000 To 2,500, Deduct	*-51.75*	
		For >2,500, Deduct	*-66.53*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0150	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	803.34	133.71
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-53.59*	
		For >1,000 To 2,500, Deduct	*-75.03*	
		For >2,500, Deduct	*-96.46*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0151	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	723.46	134.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-45.50*	
		For >1,000 To 2,500, Deduct	*-63.70*	
		For >2,500, Deduct	*-81.90*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0152	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	376.55	116.94
		For >500 To 1,000, Deduct	*-14.27*	
		For >1,000 To 2,500, Deduct	*-19.98*	
		For >2,500, Deduct	*-25.68*	
		For Twist Lock Shorting Cap, Add	*5.35*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.05*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*28.72*	
26 56 19 00-0153		Induction Roadway Lighting *(26 56 19)*		
26 56 19 00-0154		Induction Roadway Lighting (US Lighting Tech) *(26 56 19 00-0153)*		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0155	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	614.78	152.52
26 56 19 00-0156	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	685.69	157.61
26 56 19 00-0157	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	706.03	167.77
26 56 19 00-0158	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	726.36	177.95
26 56 19 00-0159	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	876.21	183.03
26 56 19 00-0160	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	891.24	188.11
26 56 19 00-0161	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	563.77	152.52
26 56 19 00-0162	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	641.96	157.61
26 56 19 00-0163	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	662.30	167.77
26 56 19 00-0164	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	682.63	177.95
26 56 23		**Area Lighting** *(26 56)*		
26 56 23 00-0001		Exterior Globe *(26 56 23)*		
26 56 23 00-0002		Incandescent *(26 56 23 00-0001)*		
26 56 23 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	33.08	16.73
26 56 23 00-0004	EA	150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	96.51	16.73
26 56 23 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	70.55	16.73
26 56 23 00-0006	EA	150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	102.12	16.73
26 56 23 00-0007		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 23)*		
26 56 23 00-0008		Metal Halide *(26 56 23 00-0007)*		
26 56 23 00-0009	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	294.08	192.04
26 56 23 00-0010	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	316.26	216.05
26 56 23 00-0011	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	345.98	240.05
26 56 23 00-0012	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	487.56	281.34
26 56 23 00-0013		High Pressure Sodium *(26 56 23 00-0007)*		
26 56 23 00-0014	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	251.67	164.19
26 56 23 00-0015	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	266.23	174.76
26 56 23 00-0016	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	280.47	184.36
26 56 23 00-0017	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	291.68	192.04
26 56 23 00-0018	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	314.39	216.05
26 56 23 00-0019	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	337.25	240.05
26 56 23 00-0020	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	503.80	281.34
26 56 23 00-0021		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23)*		
26 56 23 00-0022		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	200.45	129.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0024	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	221.15	144.03
26 56 23 00-0025	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	491.24	164.19
26 56 23 00-0026	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	266.23	174.76
26 56 23 00-0027	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	280.47	184.36
26 56 23 00-0028	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	291.68	192.04
26 56 23 00-0029	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	314.39	216.05
26 56 23 00-0030	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	337.25	240.05
26 56 23 00-0031		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	477.59	144.03
26 56 23 00-0033	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	511.09	164.19
26 56 23 00-0034	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	531.35	174.76
26 56 23 00-0035	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	555.30	184.36
26 56 23 00-0036	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	568.74	192.04
26 56 23 00-0037	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	620.39	216.05
26 56 23 00-0038	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	767.09	240.05
26 56 23 00-0039		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	171.22	66.92
26 56 23 00-0041	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	179.62	71.10
26 56 23 00-0042	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	195.18	75.29
26 56 23 00-0043	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	201.85	83.64
26 56 23 00-0044	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	227.90	96.19
26 56 23 00-0045		Wall Packs *(26 56 23)*		
26 56 23 00-0046		Non Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	237.86	45.75
26 56 23 00-0048	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	252.64	45.75
26 56 23 00-0049	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	252.64	45.75
26 56 23 00-0050	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	324.30	45.75
26 56 23 00-0051		Semi Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	439.97	45.75
26 56 23 00-0053	EA	50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	445.29	45.75
26 56 23 00-0054	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	449.88	45.75
26 56 23 00-0055	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	441.50	45.75
26 56 23 00-0056	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	407.01	45.75
26 56 23 00-0057	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	388.07	45.75
26 56 23 00-0058		Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	461.79	45.75
26 56 23 00-0060	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	466.63	45.75
26 56 23 00-0061	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	458.26	45.75
26 56 23 00-0062	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	465.00	45.75
26 56 23 00-0063	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	465.00	45.75
26 56 23 00-0064		Non Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	451.81	60.93
26 56 23 00-0066	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	451.81	60.93
26 56 23 00-0067	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	425.85	60.93
26 56 23 00-0068	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	435.80	60.93
26 56 23 00-0069	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	435.80	60.93
26 56 23 00-0070	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	407.02	60.93
26 56 23 00-0071		Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	467.19	60.93
26 56 23 00-0073	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	467.19	60.93
26 56 23 00-0074	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	467.19	60.93
26 56 23 00-0075	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	451.92	60.93
26 56 23 00-0076	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	451.92	60.93
26 56 23 00-0077	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	451.92	60.93

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0078		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	591.41	60.93
26 56 23 00-0080		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	568.97	75.48
26 56 23 00-0082	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	604.16	75.48
26 56 23 00-0083	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	646.11	75.48
26 56 23 00-0084	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	657.65	75.48
26 56 23 00-0085		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	614.23	75.48
26 56 23 00-0087	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	653.76	75.48
26 56 23 00-0088		**Non Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 23 00-0045)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	581.54	91.50
26 56 23 00-0090	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	539.67	91.50
26 56 23 00-0091	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	571.85	91.50
26 56 23 00-0092	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	575.05	91.50
26 56 23 00-0093	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	578.41	91.50
26 56 23 00-0094		**Non Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	581.55	91.50
26 56 23 00-0096	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	595.52	91.50
26 56 23 00-0097	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	637.39	91.50
26 56 23 00-0098	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	609.48	91.50
26 56 23 00-0099	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	623.46	91.50
26 56 23 00-0100	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	651.34	91.50
26 56 23 00-0101		**Full Cutoff, LED Wall Packs** *(26 56 23 00-0045)*		
26 56 23 00-0102		**Full Cutoff, LED Wall Packs (Lithonia)** *(26 56 23 00-0101)*		
26 56 23 00-0103	EA	30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,073.14	88.97
26 56 23 00-0104	EA	30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,170.31	88.97
26 56 23 00-0105		**Full Cutoff, LED Wall Packs (CREE® BetaLED®)** *(26 56 23 00-0101)*		
26 56 23 00-0106		**Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)** *(26 56 23 00-0105)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107	EA	20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	667.40	86.44
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*34.44*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 23 00-0108	EA	40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	856.75	91.51
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*34.95*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 23 00-0109	EA	60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	959.48	96.60
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*35.46*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0110	EA	80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,235.46	101.69
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*35.97*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 23 00-0111	EA	100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,424.81	106.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*36.48*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 23 00-0112	EA	120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,614.17	111.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*36.99*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
26 56 23 00-0113		**Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)** *(26 56 23 00-0105)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114	EA	25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	401.32	86.44
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Multi-Level, Add	*40.95*	
26 56 23 00-0115	EA	42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	464.79	91.51
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Multi-Level, Add	*40.95*	
26 56 23 00-0116		**Semi Cutoff, Induction Wall Packs** *(26 56 23 00-0045)*		
26 56 23 00-0117		**Semi Cutoff, Induction Wall Packs (Everlast®)** *(26 56 23 00-0116)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118	EA	70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	708.18	86.44
26 56 23 00-0119	EA	80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	724.31	91.51
26 56 23 00-0120	EA	100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	740.45	96.60
26 56 23 00-0121	EA	120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	822.19	101.69
26 56 23 00-0122		**Wall Pack Accessories** *(26 56 23 00-0045)*		
26 56 23 00-0123	EA	Photocell For Wall Pack	88.56	22.88
26 56 23 00-0124	EA	Wire Guard For Mini And Small Wall Pack	97.50	22.88
26 56 23 00-0125	EA	Wire Guard For Medium And Large Wall Pack	134.92	22.88
26 56 23 00-0126	EA	Clear Polycarbonate Vandal Guard For Wall Packs	188.93	22.88
26 56 23 00-0127	EA	Full Cutoff Visor For Wall Pack	95.06	22.88
26 56 23 00-0128		**LED Area Fixtures** *(26 56 23)*		
26 56 23 00-0129		**Pole Mount, LED Area Fixtures** *(26 56 23 00-0128)*		
26 56 23 00-0130		**Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)** *(26 56 23 00-0129)* Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131	EA	20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,070.74	86.44
26 56 23 00-0132	EA	40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,232.73	91.51
26 56 23 00-0133	EA	80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,404.91	101.69
26 56 23 00-0134	EA	100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,415.07	106.77
26 56 23 00-0135		**Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)** *(26 56 23 00-0129)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136	EA	40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	891.43	91.51
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*28.61*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0137	EA	60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,071.76	96.60
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*29.12*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0138	EA	80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,320.38	101.69
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*29.63*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0139	EA	100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,500.69	106.77
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*30.14*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0140	EA	120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,681.03	111.85
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*30.65*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0141	EA	140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,915.75	116.94
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*31.15*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0142	EA	160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,096.07	122.02
		For Backlight Shielding, Add	*16.21*	
		For Type II Medium Optic, Add	*31.66*	
		For 480 Volt, Add	*59.06*	
		For Multi-Level Drive Currents, Add	*162.05*	

26 56 23 00-0143 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 23 00-0129)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0144	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,555.39	111.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*32.70*	
		For 5,000K Color Temperature, Add	*34.13*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
		For 1,000mA Driver, Add	*114.69*	
26 56 23 00-0145	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,609.66	137.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For 5,000K Color Temperature, Add	*34.13*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Bird Spikes, Add	*48.14*	
		For Multi-Level, Add	*88.73*	
		For 1,000mA Driver, Add	*114.68*	
		For 480 Volt, Add	*122.86*	

26 56 23 00-0146 Wall Mount, LED Area Fixtures *(26 56 23 00-0128)*

26 56 23 00-0147 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 23 00-0146)*

Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 23 00-0148	EA	20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	903.16	86.44
26 56 23 00-0149	EA	30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	923.50	96.60

26 56 23 00-0150 Surface Mount, LED Parking Structure Fixtures *(26 56 23 00-0128)*

26 56 23 00-0151 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 23 00-0150)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0152	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	789.57	91.51
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0153	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	969.90	96.60
		For Multi-Level Drive Currents, Add	*162.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0154	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,150.22	101.69
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0155	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,330.54	106.77
		For Multi-Level Drive Currents, Add	*162.05*	

26 56 23 00-0156 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 23 00-0150)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0157	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	761.79	91.51
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0158	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	840.25	96.60
		For Multi-Level Drive Currents, Add	*162.05*	

26 56 23 00-0159 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 23 00-0150)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0160	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	598.81	91.51

26 56 23 00-0161 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 23 00-0150)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 23 00-0162	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,145.82	96.60
26 56 23 00-0163	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,166.15	106.77

26 56 23 00-0164 Surface Mount, LED Canopy Fixtures *(26 56 23 00-0128)*

26 56 23 00-0165 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 23 00-0164)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0166	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	912.27	91.51
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0167	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,092.59	96.60
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0168	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,272.92	101.69
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0169	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,453.23	106.77
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0170	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,633.57	111.85
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0171	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,882.18	116.94
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0172	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,062.50	122.02
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0173	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,423.14	132.19
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 23 00-0174	EA	240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,773.64	137.27
		For Multi-Level Drive Currents, Add	*162.05*	

26 56 23 00-0175 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 23 00-0164)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0176	EA	8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	639.75	101.69

26 56 23 00-0177 Recessed Mount, LED Soffit Fixtures *(26 56 23 00-0128)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0178		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 23 00-0177)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0179	EA	40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	775.68	91.51
26 56 23 00-0180	EA	60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	854.14	96.60
26 56 23 00-0181		Surface Mount, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0182		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 23 00-0181)* Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0183	EA	50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	680.69	91.51
26 56 23 00-0184	EA	50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	845.77	91.51
26 56 23 00-0185	EA	68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	716.19	101.69
26 56 23 00-0186	EA	68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	874.44	101.69
26 56 23 00-0187		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 23 00-0181)* Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0188	EA	13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	222.76	32.94
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0189	EA	20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	258.36	32.94
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0190	EA	30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	326.19	32.94
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0191		Surface Mount, LED Facade Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0192		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 23 00-0191)*		
26 56 23 00-0193	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	432.04	38.48
26 56 23 00-0194	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	693.04	35.13
26 56 23 00-0195	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	879.69	29.28
26 56 23 00-0196	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,066.32	23.42
26 56 23 00-0197		Post Top, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0198		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 23 00-0197)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199	EA	1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,238.12	139.82
26 56 23 00-0200	EA	3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,360.42	139.82
26 56 23 00-0201	EA	77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,457.09	139.82
26 56 23 00-0202		Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 23 00-0197)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,449.19	139.82
		For >25 To 500, Deduct	*-81.87*	
		For >500, Deduct	*-269.00*	
26 56 23 00-0204	EA	6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,480.65	139.82
		For >25 To 500, Deduct	*-84.07*	
		For >500, Deduct	*-276.23*	
26 56 23 00-0205		Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 23 00-0197)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0206	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,023.28	139.82
		For >25 To 500, Deduct	*-52.06*	
		For >500, Deduct	*-215.66*	
26 56 23 00-0207	EA	6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,070.36	139.82
		For >25 To 500, Deduct	*-55.35*	
		For >500, Deduct	*-205.59*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0208		Post Top, LED Area Fixtures (General Electric EPST) *(26 56 23 00-0197)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0209	EA	3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	809.28	139.82
		For >25 To 500, Deduct	*-37.08*	
		For >500, Deduct	*-111.23*	
26 56 23 00-0210	EA	6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	856.36	139.82
		For >25 To 500, Deduct	*-40.37*	
		For >500, Deduct	*-121.11*	
26 56 23 00-0211		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 23 00-0197)* Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 23 00-0212	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,043.69	139.82
26 56 23 00-0213		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) *(26 56 23 00-0197)* Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 56 23 00-0214	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	575.40	76.26
		For 0 To 10 Volt Dimming, Add	*40.95*	
26 56 23 00-0215		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 23 00-0197)* Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0349 for disposal of hazardous lamps.		
26 56 23 00-0216	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	357.50	16.27
		For Backlight Control Shield, Add	*27.62*	
26 56 23 00-0217		Induction Area Fixtures *(26 56 23)*		
26 56 23 00-0218		Post Top, Induction Area Fixtures *(26 56 23 00-0217)*		
26 56 23 00-0219		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 23 00-0218)* Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0220	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	718.11	139.82
26 56 23 00-0221	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	788.56	139.82
26 56 23 00-0222	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	788.56	139.82
26 56 23 00-0223	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	788.56	139.82
26 56 23 00-0224		Surface Mount, Induction Parking Structure Fixtures *(26 56 23 00-0217)*		
26 56 23 00-0225		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 23 00-0224)*		
26 56 23 00-0226	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	632.49	127.10
26 56 23 00-0227	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	678.88	129.64
26 56 23 00-0228	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	688.81	132.19
26 56 23 00-0229	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	698.76	134.73
26 56 23 00-0230	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	708.70	137.27
26 56 23 00-0231	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	723.50	139.82
26 56 23 00-0232	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	759.26	132.19
26 56 23 00-0233	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	769.20	134.73
26 56 23 00-0234	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	779.15	137.27
26 56 23 00-0235	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	814.60	139.82
26 56 23 00-0236		Pole Mount, Induction Area Fixtures *(26 56 23 00-0217)*		
26 56 23 00-0237		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 23 00-0236)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0238	EA	70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	738.00	86.44
26 56 23 00-0239	EA	80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	760.10	91.51
26 56 23 00-0240	EA	100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	782.20	96.60
26 56 23 00-0241		Metal Halide Area Fixtures *(26 56 23)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0242		Pole Mount, Metal Halide Area Fixtures *(26 56 23 00-0241)*		
		Note: Includes pulse start ballast.		
26 56 23 00-0243	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	697.14	126.90
26 56 23 00-0244	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	765.20	139.58
26 56 23 00-0245	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	845.29	152.27
26 56 23 00-0246	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	901.47	177.65
26 56 23 00-0247		High Pressure Sodium Area Fixtures *(26 56 23)*		
26 56 23 00-0248		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 23 00-0247)*		
26 56 23 00-0249	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	577.42	101.51
26 56 23 00-0250	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	635.81	126.90
26 56 23 00-0251	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	696.23	152.27
26 56 23 00-0252	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	741.73	177.65
26 56 23 00-0253		Area Lighting Accessories *(26 56 23)*		
26 56 23 00-0254		Outdoor Motion Sensors *(26 56 23 00-0253)*		
26 56 23 00-0255	EA	70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	82.68	22.91
26 56 23 00-0256	EA	70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	89.36	22.91
26 56 23 00-0257	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	337.49	22.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.75*	

26 56 26 Landscape Lighting *(26 56)*

26 56 26 00-0001		Bollards *(26 56 26)*		
		Note: Excludes concrete base.		
26 56 26 00-0002		Aluminum Architectural Bollards *(26 56 26 00-0001)*		
26 56 26 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	911.40	77.77
26 56 26 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	920.54	82.35
26 56 26 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	929.69	86.93
26 56 26 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	865.85	91.50
26 56 26 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	911.40	77.77
26 56 26 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	920.54	82.35
26 56 26 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	929.69	86.93
26 56 26 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	865.85	91.50
26 56 26 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	911.40	77.77
26 56 26 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	920.54	82.35
26 56 26 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	929.69	86.93
26 56 26 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	865.85	91.50
26 56 26 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	911.40	77.77
26 56 26 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	920.54	82.35
26 56 26 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	929.69	86.93
26 56 26 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	865.85	91.50
26 56 26 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.89	77.77
26 56 26 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	887.03	82.35
26 56 26 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	896.18	86.93
26 56 26 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	832.03	91.50
26 56 26 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.89	77.77
26 56 26 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	887.03	82.35
26 56 26 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	896.18	86.93
26 56 26 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	832.03	91.50
26 56 26 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.89	77.77
26 56 26 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	887.03	82.35
26 56 26 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	896.18	86.93
26 56 26 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	832.03	91.50
26 56 26 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.89	77.77
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	887.03	82.35
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	896.18	86.93
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	832.03	91.50
26 56 26 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	954.92	77.77
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	964.06	82.35
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	973.21	86.93

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	909.07	91.50
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	954.92	77.77
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	964.06	82.35
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	973.21	86.93
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	909.07	91.50
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	954.92	77.77
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	964.06	82.35
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	973.21	86.93
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	945.49	91.50
26 56 26 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	921.10	77.77
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	930.24	82.35
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	939.39	86.93
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	875.24	91.50
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	921.10	77.77
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	930.24	82.35
26 56 26 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	939.39	86.93
26 56 26 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	875.24	91.50
26 56 26 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	921.10	77.77
26 56 26 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	930.24	82.35
26 56 26 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	939.39	86.93
26 56 26 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	875.24	91.50
26 56 26 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	907.59	77.77
26 56 26 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	916.73	82.35
26 56 26 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	925.88	86.93
26 56 26 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	862.72	91.50
26 56 26 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	907.59	77.77
26 56 26 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	916.73	82.35
26 56 26 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	925.88	86.93
26 56 26 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	862.72	91.50
26 56 26 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	907.59	77.77
26 56 26 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	916.73	82.35
26 56 26 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	925.88	86.93
26 56 26 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	862.72	91.50
26 56 26 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.50	77.77
26 56 26 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	883.64	82.35
26 56 26 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	892.79	86.93
26 56 26 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	830.28	91.50
26 56 26 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.50	77.77
26 56 26 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	883.64	82.35
26 56 26 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	892.79	86.93
26 56 26 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	830.28	91.50
26 56 26 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.50	77.77
26 56 26 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	883.64	82.35
26 56 26 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	892.79	86.93
26 56 26 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	830.28	91.50
26 56 26 00-0092		LED, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0093		Square, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,079.37	77.77
26 56 26 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,088.51	82.35
26 56 26 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,097.66	86.93
26 56 26 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,035.42	91.50
26 56 26 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,309.69	77.77
26 56 26 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,318.83	82.35
26 56 26 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,327.98	86.93
26 56 26 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,264.60	91.50
26 56 26 00-0102		Round, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,045.01	77.77
26 56 26 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,054.15	82.35
26 56 26 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,063.30	86.93
26 56 26 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	999.92	91.50
26 56 26 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,275.33	77.77
26 56 26 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,284.47	82.35
26 56 26 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,293.62	86.93
26 56 26 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,230.65	91.50

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0111		Reinforced Concrete Bollards *(26 56 26 00-0001)*		
26 56 26 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	976.05	228.74
26 56 26 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,668.98	304.96
26 56 26 00-0114		Low Voltage *(26 56 26)*		
26 56 26 00-0115	EA	Low Voltage Recessed Uplight	333.06	166.53
26 56 26 00-0116	EA	Low Voltage Walkway	182.99	91.50
26 56 26 00-0117	EA	Low Voltage Malibu - 5 Light Set	244.31	122.15
26 56 26 00-0118	EA	Low Voltage Mushroom 24" Pier	182.99	91.50
26 56 26 00-0119		Recessed, Adjustable *(26 56 26)*		
26 56 26 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	292.77	146.40
26 56 26 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	292.77	146.40
26 56 26 00-0122		Recessed, Uplight *(26 56 26)*		
26 56 26 00-0123	EA	50 Watt Incandescent Recessed Uplight	292.77	146.40
26 56 26 00-0124	EA	150 Watt Incandescent Recessed Uplight	292.77	146.40
26 56 26 00-0125	EA	300 Watt Incandescent Recessed Uplight	292.77	146.40
26 56 26 00-0126	EA	500 Watt Quartz Recessed Uplight	292.77	146.40
26 56 26 00-0127	EA	5 Watt LED Recessed Uplight	713.10	146.40
26 56 26 00-0128	EA	15 Watt LED Recessed Uplight	777.25	146.40
26 56 26 00-0129		Recessed Wall Light *(26 56 26)*		
26 56 26 00-0130	EA	100 Watt Incandescent Recessed Wall Light	182.99	91.50
26 56 26 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	182.99	91.50
26 56 26 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	244.31	122.15
26 56 26 00-0133		Step Lights *(26 56 26)*		
26 56 26 00-0134	EA	Incandescent Step Light	146.35	73.20
26 56 26 00-0135	EA	Fluorescent Step Light	146.40	73.20
26 56 26 00-0136	EA	5 Watt LED Step Light	388.03	73.20
26 56 26 00-0137	EA	15 Watt LED Step Light	456.45	73.20
26 56 26 00-0138		Tree Lights, Surface Adjustable *(26 56 26)*		
26 56 26 00-0139	EA	50 Watt Incandescent Tree Lights	244.31	122.15
26 56 26 00-0140	EA	100 Watt Incandescent Tree Lights	244.31	122.15
26 56 26 00-0141	EA	150 Watt Incandescent Tree Lights	365.98	182.99
26 56 26 00-0142		Underwater Lights *(26 56 26)*		
26 56 26 00-0143	EA	150 Watt, 120 Volt Underwater Lights	121.70	60.84
26 56 26 00-0144	EA	300 Watt, 120 Volt Underwater Lights	121.70	60.84
26 56 26 00-0145	EA	1,000 Watt, 120 Volt Underwater Lights	182.99	91.50
26 56 26 00-0146	EA	50 Watt, 12 Volt Underwater Lights	121.70	60.84
26 56 26 00-0147	EA	300 Watt, 12 Volt Underwater Lights	121.70	60.84
26 56 26 00-0148	EA	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	274.49	137.25
26 56 33		**Walkway Lighting** *(26 56)*		
26 56 33 00-0001		Incandescent Walkway *(26 56 33)*		
26 56 33 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	433.23	85.09
26 56 33 00-0003		Metal Halide Walkway *(26 56 33)*		
26 56 33 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	663.00	133.77
26 56 33 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	707.14	138.62
26 56 33 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	771.89	143.92
26 56 33 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	824.06	155.55
26 56 33 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	725.79	143.92
26 56 33 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	751.70	133.77
26 56 33 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	762.50	138.62
26 56 33 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	628.69	95.34
26 56 33 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	674.80	95.34
26 56 33 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	720.91	95.34
26 56 33 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	814.25	107.33
26 56 33 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	609.41	85.64
26 56 33 00-0016		High Pressure Sodium Walkway *(26 56 33)*		
26 56 33 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	267.53	133.77

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	277.26	138.62
26 56 33 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	287.72	143.92
26 56 33 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	311.21	155.55
26 56 33 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	287.72	143.92
26 56 33 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	267.53	133.77
26 56 33 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	277.26	138.62
26 56 33 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	190.62	95.34
26 56 33 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	190.62	95.34
26 56 33 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	190.62	95.34
26 56 33 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	214.79	107.33
26 56 33 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	171.34	85.64
26 56 33 00-0029		Walkway, Adjustable *(26 56 33)*		
26 56 33 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	631.08	122.15
26 56 33 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	653.83	122.15
26 56 33 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,169.85	182.99
26 56 33 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	547.00	91.50
26 56 33 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	577.34	91.50
26 56 33 00-0035		LED Walkway *(26 56 33)*		
26 56 33 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 56 33 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037	EA	13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	628.72	70.26
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 33 00-0038	EA	18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	648.40	70.26
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 33 00-0039	EA	36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	683.13	70.26
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 33 00-0040	EA	42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	709.75	70.26
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 33 00-0041	EA	96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	818.45	90.34
		For Multi-Level Drive Currents, Add	*162.05*	
26 56 36		**Flood Lighting** *(26 56)*		
26 56 36 00-0001		General Electric Powerflood® Flood Lights *(26 56 36)*		
26 56 36 00-0002		MPF (Small Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 56 36 00-0002)*		
26 56 36 00-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	247.24	76.14
26 56 36 00-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	249.14	76.14
26 56 36 00-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	252.31	76.14
26 56 36 00-0007		Metal Halide MPF Series GE Flood Lights *(26 56 36 00-0002)*		
26 56 36 00-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	322.59	76.14
26 56 36 00-0009		P-154 (Small Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	475.92	101.51
26 56 36 00-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	478.45	101.51
26 56 36 00-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	482.88	101.51
26 56 36 00-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	532.90	101.51
26 56 36 00-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	547.46	101.51
26 56 36 00-0016		Metal Halide P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	471.49	101.51
26 56 36 00-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	493.65	101.51
26 56 36 00-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	505.04	101.51
26 56 36 00-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	490.53	114.21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	493.70	114.21
26 56 36 00-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	498.77	114.21
26 56 36 00-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	548.15	114.21
26 56 36 00-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	562.08	114.21
26 56 36 00-0027		Metal Halide PF-154 GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	486.74	114.21
26 56 36 00-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	508.26	114.21
26 56 36 00-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	519.66	114.21
26 56 36 00-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	639.96	114.21
26 56 36 00-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	684.28	114.21
26 56 36 00-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	681.11	114.21
26 56 36 00-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	696.94	114.21
26 56 36 00-0037		Metal Halide PF-400 GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	656.42	114.21
26 56 36 00-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	669.72	114.21
26 56 36 00-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	683.64	114.21
26 56 36 00-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042		High Pressure Sodium PF-1000 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	854.65	126.90
26 56 36 00-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	854.65	126.90
26 56 36 00-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	817.93	126.90
26 56 36 00-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	700.74	114.21
26 56 36 00-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	712.77	114.21
26 56 36 00-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	707.70	114.21
26 56 36 00-0053		Accessories For Powerflood GE Flood Lights *(26 56 36 00-0001)*		
26 56 36 00-0054	EA	Wireguard For Powerflood GE Flood Light	123.57	25.38
26 56 36 00-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	76.72	25.38
26 56 36 00-0056	EA	Top Visor For Powerflood Flood Light	105.84	25.38
26 56 36 00-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	83.68	25.38
26 56 36 00-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	216.85	76.14
26 56 36 00-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	90.65	25.38
26 56 36 00-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	169.37	76.14
26 56 36 00-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	175.06	76.14
26 56 36 00-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	71.02	25.38
26 56 36 00-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	69.12	25.38
26 56 36 00-0064		Lithonia Contour Series Flood Lights *(26 56 36)*		
26 56 36 00-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 56 36 00-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	442.21	101.51
26 56 36 00-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	478.77	101.51
26 56 36 00-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	514.57	101.51

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0070		**Metal Halide TFM Series Lithonia Flood Lights** *(26 56 36 00-0065)*		
26 56 36 00-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	559.24	101.51
26 56 36 00-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	550.44	101.51
26 56 36 00-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	536.26	101.51
26 56 36 00-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	535.21	101.51
26 56 36 00-0075		**Compact Fluorescent TFM Series Lithonia Flood Lights** *(26 56 36 00-0065)*		
26 56 36 00-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	555.59	101.51
26 56 36 00-0077		**TFL (Medium Size) Series Lithonia Flood Lights** *(26 56 36 00-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078		**High Pressure Sodium TFL Series Lithonia Flood Lights** *(26 56 36 00-0077)*		
26 56 36 00-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	658.09	114.21
26 56 36 00-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	670.29	114.21
26 56 36 00-0081		**Metal Halide TFL Series Lithonia Flood Lights** *(26 56 36 00-0077)*		
26 56 36 00-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	630.69	114.21
26 56 36 00-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	630.69	114.21
26 56 36 00-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	649.81	114.21
26 56 36 00-0085		**TFR (Low Profile) Series Lithonia Flood Lights** *(26 56 36 00-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086		**High Pressure Sodium TFR Lithonia Flood Lights** *(26 56 36 00-0085)*		
26 56 36 00-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	626.63	101.51
26 56 36 00-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	644.88	101.51
26 56 36 00-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	660.13	101.51
26 56 36 00-0090		**Metal Halide TFR Lithonia Flood Lights** *(26 56 36 00-0085)*		
26 56 36 00-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	620.53	101.51
26 56 36 00-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	638.80	101.51
26 56 36 00-0093		**TFA (Large Size) Series Lithonia Flood Lights** *(26 56 36 00-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094		**High Pressure Sodium TFA Series Lithonia Flood Lights** *(26 56 36 00-0093)*		
26 56 36 00-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,183.10	126.90
26 56 36 00-0096		**Metal Halide TFA Series Lithonia Flood Lights** *(26 56 36 00-0093)*		
26 56 36 00-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	924.11	126.90
26 56 36 00-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,015.51	126.90
26 56 36 00-0099		**Accessories For Contour Series Lithonia Flood Lights** *(26 56 36 00-0064)*		
26 56 36 00-0100	EA	Wireguard For Contour Series Lithonia Flood Light	108.21	25.38
26 56 36 00-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	197.93	25.38
26 56 36 00-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	91.28	25.38
26 56 36 00-0103	EA	Full Visor For Contour Series Lithonia Flood Light	118.70	25.38
26 56 36 00-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	274.13	76.14
26 56 36 00-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	225.61	76.14
26 56 36 00-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	225.61	76.14
26 56 36 00-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	244.96	76.14
26 56 36 00-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	104.05	25.38
26 56 36 00-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	85.46	25.38
26 56 36 00-0110		**Ruud Flood Lights** *(26 56 36)*		
26 56 36 00-0111		**NS (Micro) Series Ruud Flood Lights** *(26 56 36 00-0110)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0113	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	295.36	76.14
26 56 36 00-0114	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	295.36	76.14
26 56 36 00-0115	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	295.36	76.14
26 56 36 00-0116	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	295.36	76.14

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0117	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	295.36	76.14
26 56 36 00-0118		**Metal Halide NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0119	EA	50 Watt Metal Halide NS Series Ruud Flood Light	330.82	76.14
26 56 36 00-0120	EA	70 Watt Metal Halide NS Series Ruud Flood Light	330.82	76.14
26 56 36 00-0121	EA	100 Watt Metal Halide NS Series Ruud Flood Light	330.82	76.14
26 56 36 00-0122		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0123	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	258.64	76.14
26 56 36 00-0124	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	267.50	76.14
26 56 36 00-0125	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	270.04	76.14
26 56 36 00-0126	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	272.57	76.14
26 56 36 00-0127		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0129	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	453.81	114.21
26 56 36 00-0130	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	476.60	114.21
26 56 36 00-0131	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	489.27	114.21
26 56 36 00-0132		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0133	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	448.75	114.21
26 56 36 00-0134	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	451.28	114.21
26 56 36 00-0135	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	458.88	114.21
26 56 36 00-0136		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0137	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	439.88	114.21
26 56 36 00-0138		**FS (Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 56 36 00-0138)*		
26 56 36 00-0140	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	520.93	114.21
26 56 36 00-0141	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	523.46	114.21
26 56 36 00-0142	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	855.28	126.90
26 56 36 00-0143		**Metal Halide FS Series Ruud Flood Lights** *(26 56 36 00-0138)*		
26 56 36 00-0144	EA	175 Watt Metal Halide FS Series Ruud Flood Light	520.93	114.21
26 56 36 00-0145	EA	250 Watt Metal Halide FS Series Ruud Flood Light	523.46	114.21
26 56 36 00-0146	EA	400 Watt Metal Halide FS Series Ruud Flood Light	531.06	114.21
26 56 36 00-0147	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	771.71	126.90
26 56 36 00-0148		**MFS (Mini Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 56 36 00-0148)*		
26 56 36 00-0150	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	414.50	101.51
26 56 36 00-0151	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	441.09	101.51
26 56 36 00-0152	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	441.09	101.51
26 56 36 00-0153	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	441.09	101.51
26 56 36 00-0154	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	441.09	101.51
26 56 36 00-0155		**Metal Halide MFS Series Ruud Flood Lights** *(26 56 36 00-0148)*		
26 56 36 00-0156	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	449.96	101.51
26 56 36 00-0157	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	449.96	101.51
26 56 36 00-0158	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	449.96	101.51
26 56 36 00-0159	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	436.03	101.51
26 56 36 00-0160		**MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161		**High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights** *(26 56 36 00-0160)*		
26 56 36 00-0162	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	446.16	101.51
26 56 36 00-0163	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	472.75	101.51
26 56 36 00-0164	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	472.75	101.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0165	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	472.75	101.51
26 56 36 00-0166	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	472.75	101.51
26 56 36 00-0167		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 56 36 00-0160)*		
26 56 36 00-0168	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	481.62	101.51
26 56 36 00-0169	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	481.62	101.51
26 56 36 00-0170	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	481.62	101.51
26 56 36 00-0171	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	467.69	101.51
26 56 36 00-0172		CF (Cutoff Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173		High Pressure Sodium CF Series Ruud Flood Lights *(26 56 36 00-0172)*		
26 56 36 00-0174	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	580.44	114.21
26 56 36 00-0175	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	593.10	114.21
26 56 36 00-0176	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	886.94	126.90
26 56 36 00-0177		Metal Halide CF Series Ruud Flood Lights *(26 56 36 00-0172)*		
26 56 36 00-0178	EA	175 Watt Metal Halide CF Series Ruud Flood Light	552.58	114.21
26 56 36 00-0179	EA	250 Watt Metal Halide CF Series Ruud Flood Light	555.12	114.21
26 56 36 00-0180	EA	400 Watt Metal Halide CF Series Ruud Flood Light	562.71	114.21
26 56 36 00-0181	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	803.36	126.90
26 56 36 00-0182		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183		High Pressure Sodium CN Series Ruud Flood Lights *(26 56 36 00-0182)*		
26 56 36 00-0184	EA	400 High Pressure Sodium CN Series Ruud Flood Light	740.05	126.90
26 56 36 00-0185	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	871.74	126.90
26 56 36 00-0186		Metal Halide CN Series Ruud Flood Lights *(26 56 36 00-0182)*		
26 56 36 00-0187	EA	400 Watt Metal Halide CN Series Ruud Flood Light	709.66	126.90
26 56 36 00-0188	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	788.17	126.90
26 56 36 00-0189		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 56 36 00-0189)*		
26 56 36 00-0191	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	598.17	114.21
26 56 36 00-0192	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	610.83	114.21
26 56 36 00-0193		Metal Halide PM/PN Series Ruud Flood Lights *(26 56 36 00-0189)*		
26 56 36 00-0194	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	570.31	114.21
26 56 36 00-0195	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	572.84	114.21
26 56 36 00-0196	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	580.44	114.21
26 56 36 00-0197	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	821.09	126.90
26 56 36 00-0198		Accessories For Ruud Flood Lighting *(26 56 36 00-0110)*		
26 56 36 00-0199	EA	Wireguard For Rudd Flood Light	69.75	25.38
26 56 36 00-0200	EA	Deep Baffle (Full Visor) For Rudd Flood Light	103.94	25.38
26 56 36 00-0201	EA	Glare Guard (Upper Visor) For Rudd Flood Light	78.62	25.38
26 56 36 00-0202	EA	Vandal Shield For Rudd Flood Light	91.28	25.38
26 56 36 00-0203	EA	Pipe Mounting Bracket For Ruud Flood Light	195.32	76.14
26 56 36 00-0204	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	62.16	25.38
26 56 36 00-0205		Lumark Flood Lights *(26 56 36)*		
26 56 36 00-0206		QZ Wedge Series Quartz Lumark Flood Lights *(26 56 36 00-0205)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	178.17	76.14
26 56 36 00-0208		LQL Series Quartz Lumark Flood Lights *(26 56 36 00-0205)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	215.52	76.14
26 56 36 00-0210		Kim Lighting *(26 56 36)*		
26 56 36 00-0211		MicroFlood® Series Kim Lighting Flood Lights *(26 56 36 00-0210)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0212		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 56 36 00-0211)*		
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light	313.42	32.07
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light	383.67	32.07
26 56 36 00-0215		**Scarab® Series Kim Lighting Flood Lights** *(26 56 36 00-0210)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 56 36 00-0215)*		
		Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	470.11	32.07
26 56 36 00-0218		**CREE® BetaLED® Flood Lights** *(26 56 36)*		
26 56 36 00-0219		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	817.35	91.51
26 56 36 00-0221	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	894.66	96.60
26 56 36 00-0222		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	711.11	86.44
		For 480 Volt, Add	*59.06*	
26 56 36 00-0224	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	891.43	91.51
		For 480 Volt, Add	*59.06*	
26 56 36 00-0225	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,071.76	96.60
		For 480 Volt, Add	*59.06*	
26 56 36 00-0226	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,320.38	101.69
		For 480 Volt, Add	*59.06*	
26 56 36 00-0227	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,500.69	106.77
		For 480 Volt, Add	*59.06*	
26 56 36 00-0228	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,681.03	111.85
		For 480 Volt, Add	*59.06*	
26 56 36 00-0229	EA	140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,915.75	116.94
		For 480 Volt, Add	*59.06*	
26 56 36 00-0230	EA	160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,096.07	122.02
		For 480 Volt, Add	*59.06*	
26 56 36 00-0231		**Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)** *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0232	EA	120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,612.73	111.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Bird Spikes, Add	*32.70*	
		For 5,000K Color Temperature, Add	*34.13*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For 480 Volt, Add	*61.44*	
		For Multi-Level, Add	*88.73*	
		For 1,000mA Driver, Add	*114.68*	
26 56 36 00-0233	EA	240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,724.34	137.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For 5,000K Color Temperature, Add	*34.13*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Bird Spikes, Add	*48.14*	
		For Multi-Level, Add	*88.73*	
		For 1,000mA Driver, Add	*114.68*	
		For 480 Volt, Add	*122.86*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0234		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0235	EA	112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	954.78	111.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Front Facing Optics, Back Light Shield, Add	*25.52*	
		For Rotated Optics, Back Light Shield, Add	*25.52*	
		For Field Adjustable Output, Add	*20.48*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Multi-Level, Add	*88.73*	
26 56 36 00-0236	EA	168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,019.29	111.85
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Front Facing Optics, Back Light Shield, Add	*25.52*	
		For Rotated Optics, Back Light Shield, Add	*25.52*	
		For Field Adjustable Output, Add	*20.48*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Type II Medium Or Type V Short Optics, Add	*76.86*	
		For Multi-Level, Add	*88.73*	
26 56 36 00-0237	EA	223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,306.64	137.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*13.65*	
		For Field Adjustable Output, Add	*20.48*	
		For Front Facing Optics, Back Light Shield, Add	*30.93*	
		For Rotated Optics, Back Light Shield, Add	*30.93*	
		For Fuse, Add	*40.95*	
		For 0 To 10 Volt Dimming, Add	*40.95*	
		For Multi-Level, Add	*88.73*	
26 56 36 00-0238		PlanLED Flood Lights *(26 56 36)*		
26 56 36 00-0239		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 56 36 00-0238)*		
26 56 36 00-0240	EA	6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	410.14	91.51
26 56 36 00-0241	EA	9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	484.36	96.60
26 56 36 00-0242	EA	12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	555.52	104.23
26 56 36 00-0243		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 56 36 00-0238)*		
26 56 36 00-0244	EA	21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200)	1,123.00	203.37
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 56 36 00-0245	EA	42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400)	1,687.86	203.37
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 56 36 00-0246	EA	84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800)	2,903.76	203.37
		For 0 To 10 Volt Dimming, Add	*49.88*	
26 56 36 00-0247		Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 56 36 00-0238)*		
26 56 36 00-0248	EA	26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	971.32	132.19
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*-19.77*	
26 56 36 00-0249	EA	39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,228.41	137.27
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*60.14*	
26 56 36 00-0250	EA	52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	1,551.86	142.36
		For 0 To 10 Volt Dimming, Add	*49.88*	
		For 480 Volt, Add	*48.28*	
26 56 39		**Hazardous Location Flood Lights** *(26 56)*		
		Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 56 39 00-0001		Lithonia Hazardous Location Flood Lights *(26 56 39)*		
26 56 39 00-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 56 39 00-0001)*		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 56 39 00-0002)*		
26 56 39 00-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	621.30	101.51
26 56 39 00-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	660.56	101.51
26 56 39 00-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	622.57	101.51

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0002)*		
26 56 39 00-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	656.37	101.51
26 56 39 00-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	637.76	101.51
26 56 39 00-0010		HFM (Medium Base) Series Hazardous Location Flood Lights *(26 56 39 00-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0010)*		
26 56 39 00-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	594.32	101.51
26 56 39 00-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	617.74	101.51
26 56 39 00-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0010)*		
26 56 39 00-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	531.00	101.51
26 56 39 00-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 56 39 00-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0016)*		
26 56 39 00-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	832.49	126.90
26 56 39 00-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	843.89	126.90
26 56 39 00-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0016)*		
26 56 39 00-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	828.69	126.90
26 56 39 00-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	843.89	126.90
26 56 39 00-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 56 39 00-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0023)*		
26 56 39 00-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	627.29	114.21
26 56 39 00-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0023)*		
26 56 39 00-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	671.61	114.21
26 56 39 00-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 56 39 00-0001)* See CSI section 26 56 36 00-0099 for accessories.		
26 56 43		**High Performance Flood Lights** *(26 56)* Note: For airport aprons and parking areas.		
26 56 43 00-0001		Lithonia High Performance Flood Lights *(26 56 43)*		
26 56 43 00-0002		170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0002)*		
26 56 43 00-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,404.95	152.27
26 56 43 00-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,508.79	152.27
26 56 43 00-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,513.86	152.27
26 56 43 00-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,672.14	152.27
26 56 43 00-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0002)*		
26 56 43 00-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,606.30	152.27
26 56 43 00-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,536.08	152.27
26 56 43 00-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,469.54	152.27
26 56 43 00-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,535.38	152.27
26 56 43 00-0013		Accessories For Lithonia High Performance Flood Lights *(26 56 43 00-0002)* See CSI section 26 56 36 00-0099 for accessories.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 26

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	175.38	24.74
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	207.82	24.74
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	44.06	4.59
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	16.91	4.59
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	17.87	4.59
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	19.64	4.59
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	628.89	93.65
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	811.85	124.90
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	1,276.42	187.30
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	7.62	1.37

27 05 29 Hangers And Supports For Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	6.52	2.29
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.57*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Painted Powder Coated Finish, Add	*0.39*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	6.82	2.29
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Painted Powder Coated Finish, Add	*1.37*	
		For Low Friction Xylan® Coated Finish, Add	*4.90*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	7.28	2.29
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.65*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Painted Powder Coated Finish, Add	*1.69*	
		For Low Friction Xylan® Coated Finish, Add	*6.09*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	11.29	2.29
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-2.05*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Painted Powder Coated Finish, Add	*0.90*	
		For Low Friction Xylan® Coated Finish, Add	*5.39*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	7.22	2.29
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.64*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	9.02	2.29
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.82*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	9.90	2.29
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.91*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	13.04	2.29
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.38*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.56	2.29
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	8.76	2.29
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	9.38	2.29
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	12.35	2.29
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*1.38*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.87	2.29
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	10.91	2.29
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.01*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	11.44	2.29
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*1.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021		**Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	7.40	2.29
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	7.67	2.29
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	9.08	2.29
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0025		**Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	8.92	2.29
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	9.58	2.29
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	12.86	2.29
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0029		**Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	8.83	2.29
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	10.01	2.29
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	10.63	2.29
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*1.38*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	14.05	2.29
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.32*	
		For Work In Restricted Working Space, Add	*1.38*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034		**Adjustable Cable Supports (Caddy® CableCat CAT425)** *(27 05 29)*		
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.20	3.02
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-4.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.39*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.65	3.02
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.30*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	26.94	3.02
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-4.52*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.13	3.02
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.19	3.02
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-4.35*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	26.24	3.02
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-4.45*	
		For Work In Restricted Working Space, Add	*2.75*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.84	3.02
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-3.01*	
		For >500, Deduct	*-4.31*	
		For Work In Restricted Working Space, Add	*2.75*	

27 05 33 Conduits And Backboxes For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays For Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures *(27 11)*

27 11 16 00-0001		**3/4" Fire Retardant Plywood Backboards** *(27 11 16)*		
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	70.32	23.79
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*43.84*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	140.63	47.58
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*87.69*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004		**Terminal Cabinets** *(27 11 16)*		
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	248.90	68.62
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	310.47	75.48
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	357.27	86.93
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	370.59	89.21
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	446.96	91.50
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	549.69	102.93
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	561.06	100.64
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	725.59	143.37
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	777.70	157.56
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	931.12	166.43
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	768.95	137.25
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	831.69	148.68
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,038.74	190.59
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,250.63	238.25
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,405.98	235.61
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,620.57	286.66
27 11 16 00-0021		**Equipment Racks And Cable Managers** *(27 11 16)*		
27 11 16 00-0022		**Equipment Racks** *(27 11 16 00-0021)* Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023		**Standard Equipment Racks** *(27 11 16 00-0022)*		
27 11 16 00-0024		**19" Width, Standard Equipment Racks** *(27 11 16 00-0023)*		
27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	458.77	146.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*8.30*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	638.62	155.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*16.38*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	690.00	164.69
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.03*	
27 11 16 00-0028		**Universal Equipment Racks** *(27 11 16 00-0022)*		
27 11 16 00-0029		**Universal Equipment Racks** *(27 11 16 00-0028)*		
27 11 16 00-0030		**19" Width, EIA Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	599.42	128.10
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.16*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	655.43	130.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.73*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	654.46	132.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.46*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	671.33	134.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.07*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	688.00	137.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.68*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	706.06	139.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.35*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	600.62	141.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*15.85*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	741.13	144.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	767.49	146.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.74*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	790.48	148.68
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.66*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	795.99	150.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.70*	
27 11 16 00-0042		**23" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	634.64	128.10
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.92*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	656.73	130.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.80*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	676.15	132.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.54*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	712.58	134.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.13*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	730.46	137.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.80*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	749.93	139.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.54*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	645.00	141.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.07*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	787.70	144.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	816.25	146.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	841.18	148.68
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.19*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	846.77	150.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.24*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	790.16	137.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.78*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	832.22	141.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.43*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	633.75	128.10
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.88*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	685.47	130.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.24*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	695.95	132.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.53*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	711.50	134.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.08*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	729.33	137.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.74*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	748.75	139.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.48*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	767.39	141.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.19*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	786.45	144.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.91*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	814.98	146.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	839.83	148.68
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.12*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	845.36	150.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.17*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	672.53	128.10
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.82*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	738.06	130.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.86*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	747.43	132.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.10*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	756.84	134.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.35*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	776.05	137.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.08*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	797.02	139.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.90*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	817.08	141.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.67*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	837.63	144.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.47*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	868.59	146.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	895.56	148.68
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.91*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	901.33	150.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,282.34	228.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*41.24*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,400.74	237.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*46.25*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,512.40	247.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*50.92*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,318.62	228.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*43.06*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0089		Cable Managers *(27 11 16 00-0021)*		
27 11 16 00-0090		Horizontal Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	74.44	9.15
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	82.95	9.15
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	62.05	9.15
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	75.71	9.15
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	88.90	9.15
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	68.79	9.15
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	102.27	9.15
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	116.50	9.15
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	82.25	9.15
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	92.58	9.15
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	103.81	9.15
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	97.44	9.15
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	113.52	9.15
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	126.26	9.15
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	141.45	9.15
27 11 16 00-0108		Vertical Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0109		Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	167.13	13.73
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	236.12	13.73
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	380.85	13.73
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	431.33	13.73
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	178.91	13.73
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	254.63	13.73
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	414.50	13.73
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	464.99	13.73
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	202.47	13.73
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	279.88	13.73
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	464.99	13.73
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	515.48	13.73
27 11 16 00-0122		Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	242.85	13.73
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	286.61	13.73
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	464.99	13.73
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	549.13	13.73
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	263.05	13.73
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	306.80	13.73
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	498.65	13.73
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	582.79	13.73
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	289.97	13.73
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	333.73	13.73
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	549.13	13.73
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	633.27	13.73
27 11 16 00-0135		Accessories For Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	102.44	9.15
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	109.17	9.15
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	115.91	9.15
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	105.81	9.15
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	115.91	9.15
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	126.00	9.15
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	119.27	9.15
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	129.37	9.15
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	139.46	9.15
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	126.00	9.15
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	139.46	9.15
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	149.56	9.15
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	85.61	9.15
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	99.08	9.15
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	103.62	9.15
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	65.42	9.15

27 11 19 Communications Termination Blocks And Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0002		**Ethernet Patch Panels** *(27 11 19 00-0001)*		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	190.79	45.75
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	275.51	45.75
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	355.68	45.75
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	430.37	45.75
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	511.83	57.19
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	789.49	68.62
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	228.14	45.75
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	280.98	45.75
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	470.46	45.75
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	866.01	68.62
27 11 19 00-0013	EA	Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	32.42	
27 11 19 00-0014	EA	>5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	27.01	
27 11 19 00-0015	EA	>10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	16.21	
27 11 19 00-0016	EA	Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires	8.91	
27 11 19 00-0017	EA	>20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires	7.43	
27 11 19 00-0018	EA	>40 Pairs, Terminate One End Of A Twisted Pair Of Wires	4.46	
27 11 19 00-0019		**Fiber Optic Cable Patch Panels And Enclosures** *(27 11 19 00-0001)*		
27 11 19 00-0020		**Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)*		
27 11 19 00-0021		**Wall Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	102.04	20.58
27 11 19 00-0023	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	149.42	20.58
27 11 19 00-0024	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	219.52	20.58
27 11 19 00-0025	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	325.02	34.31
27 11 19 00-0026	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	449.82	34.31
27 11 19 00-0027		**Rack Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	337.81	34.31
27 11 19 00-0029	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	385.40	34.31
27 11 19 00-0030	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	414.50	34.31
27 11 19 00-0031	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	484.82	34.31
27 11 19 00-0032		**Rack Mount, Fiber Optic Cable Pretium® Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	419.36	34.31
		For Splice Tray Bracket, Add	*44.02*	
27 11 19 00-0034	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	490.14	34.31
		For Splice Tray Bracket, Add	*48.13*	
27 11 19 00-0035	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	609.42	34.31
		For Splice Tray Bracket, Add	*175.36*	
27 11 19 00-0036		**Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	530.38	34.31
27 11 19 00-0038	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	676.31	34.31
27 11 19 00-0039	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	764.78	34.31
27 11 19 00-0040	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	990.39	34.31
27 11 19 00-0041		**Wall Mount, Fiber Optic Cable Industrial Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	471.63	20.58
27 11 19 00-0043	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	653.52	34.31
27 11 19 00-0044	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	685.48	34.31
27 11 19 00-0045		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	493.71	20.58
27 11 19 00-0047	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	653.13	34.31
27 11 19 00-0048	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	766.18	34.31
27 11 19 00-0049		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0019)*		
27 11 19 00-0050		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0051	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	65.25	4.58
27 11 19 00-0052	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	70.74	4.58
27 11 19 00-0053	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	79.25	4.58
27 11 19 00-0054	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	86.56	4.58
27 11 19 00-0055	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	107.26	4.58
27 11 19 00-0056	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	118.20	4.58
27 11 19 00-0057		SC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0058	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	62.83	4.58
27 11 19 00-0059	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	64.11	4.58
27 11 19 00-0060	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	76.03	4.58
27 11 19 00-0061	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	77.75	4.58
27 11 19 00-0062	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	102.44	4.58
27 11 19 00-0063	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	104.99	4.58
27 11 19 00-0064		LC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0065	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	67.77	4.58
27 11 19 00-0066	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	74.23	4.58
27 11 19 00-0067	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	82.61	4.58
27 11 19 00-0068	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	91.23	4.58
27 11 19 00-0069	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	112.31	4.58
27 11 19 00-0070	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	125.22	4.58
27 11 19 00-0071	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	142.01	4.58
27 11 19 00-0072	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	159.22	4.58
27 11 19 00-0073	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	201.38	4.58
27 11 19 00-0074	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	207.38	4.58
27 11 19 00-0075		ST Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0076	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	54.39	4.58
27 11 19 00-0077	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	58.54	4.58
27 11 19 00-0078	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	64.77	4.58
27 11 19 00-0079	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	70.31	4.58
27 11 19 00-0080	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	85.53	4.58
27 11 19 00-0081	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	93.84	4.58
27 11 19 00-0082		MT-RJ, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0083	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	67.39	4.58
27 11 19 00-0084	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	100.38	4.58
27 11 19 00-0085		Fiber Optic Cable Pretium Edge® Modules *(27 11 19 00-0049)*		
27 11 19 00-0086	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	573.29	4.58
27 11 19 00-0087	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	575.27	4.58
27 11 19 00-0088		Fiber Optic Cable Splice Housings *(27 11 19 00-0019)*		
27 11 19 00-0089		Wall Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	238.47	45.75
27 11 19 00-0091		Rack Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	350.17	34.31
27 11 19 00-0093	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	355.31	34.31
27 11 19 00-0094		Fiber Optic Cable Splice Trays *(27 11 19 00-0088)*		
27 11 19 00-0095	EA	Fiber Optic Cable Splice Tray	67.85	11.43
27 11 19 00-0096		Fiber Optic Cable Jumper Management Panels *(27 11 19 00-0019)* Note: Includes mounting hardware.		
27 11 19 00-0097	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	134.33	34.31
27 11 19 00-0098		Miscellaneous Accessories *(27 11 19 00-0001)*		
27 11 19 00-0099	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	49.53	
27 11 19 00-0100	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	65.66	
27 11 19 00-0101	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	71.90	
27 11 19 00-0102	EA	Wall Mount Bracket For 96 Port Patch Panel	80.21	
27 11 19 00-0103	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	314.87	45.75
27 11 19 00-0104		Telephone Components *(27 11 19)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0105		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0104)*		
27 11 19 00-0106	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	24.98	9.16
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG	43.31	9.16
27 11 19 00-0108	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG	35.81	9.16
27 11 19 00-0109	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	19.99	9.16
27 11 19 00-0110	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	14.23	6.41
27 11 19 00-0111	EA	Ground Terminal Block With Wire Range 22-8 AWG	25.78	9.16
27 11 19 00-0112	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	19.99	9.16
27 11 19 00-0113	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG	14.11	6.41
27 11 19 00-0114	EA	Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	14.03	6.41
27 11 19 00-0115	EA	Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	14.39	6.41
27 11 19 00-0116		**Terminal Block Mounting Channel** *(27 11 19 00-0104)*		
27 11 19 00-0117	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	13.07	4.59
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	16.28	4.59
27 11 19 00-0119	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	21.83	4.59
27 11 19 00-0120	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	16.41	5.50
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	21.68	5.50
27 11 19 00-0122	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	30.24	5.50
27 11 19 00-0123		**Outlet Termination Hardware** *(27 11 19 00-0104)*		
27 11 19 00-0124	EA	Telephone Outlet Blocks	23.00	4.59
27 11 19 00-0125	EA	Phone Outlet Block For Floor Box Note: Excludes box.	75.26	34.77
27 11 19 00-0126	EA	Fiber Optic "SC" Type Modular Bulkhead	61.04	20.58
27 11 19 00-0127	EA	Fiber Optic "ST" Type Modular Bulkhead	61.04	20.58
27 11 19 00-0128	EA	Type "F" Coaxial Connector Male	36.56	13.73
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	87.97	22.88
27 11 19 00-0130	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	87.97	22.88
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	103.70	22.88
27 11 19 00-0132	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	103.70	22.88
27 11 19 00-0133	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	95.42	22.88
27 11 19 00-0134	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	785.06	114.37
27 11 19 00-0135	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	41.92	9.15
27 11 19 00-0136	EA	Connecting Block, 5-Pair	2.61	0.91
27 11 19 00-0137	EA	Connecting Block, 4-Pair	2.79	0.91
27 11 19 00-0138	EA	Plastic Label Holder, Transparent	10.71	2.28
27 11 19 00-0139	EA	Marked Label, White, 5-Pair	3.02	
27 11 19 00-0140	EA	Marked Label, Blue, 4-Pair	3.02	
27 11 19 00-0141		**Terminations in Manhole or Junction Box** *(27 11 19 00-0104)*		
27 11 19 00-0142	EA	25 Pair Cable Termination In Manhole Or Junction Box	146.40	
27 11 19 00-0143	EA	50 Pair Cable Termination In Manhole Or Junction Box	292.79	
27 11 19 00-0144	EA	100 Pair Cable Termination In Manhole Or Junction Box	585.58	
27 11 19 00-0145	EA	150 Pair Cable Termination In Manhole Or Junction Box	878.37	
27 11 19 00-0146	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,027.50	
27 11 19 00-0147	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,540.80	
27 11 19 00-0148	EA	400 Pair Cable Termination In Manhole Or Junction Box	1,937.90	
27 11 19 00-0149	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,422.83	
27 11 19 00-0150	EA	750 Pair Cable Termination In Manhole Or Junction Box	3,634.22	
27 11 19 00-0151	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	4,407.35	
27 11 19 00-0152	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	5,023.20	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	26.30	4.58
27 11 23 00-0003	LF	Velcro CMP	2.14	0.91
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	79.39	21.95
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	137.00	36.59
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	25.23	6.86
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	11.53	4.58
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	12.12	4.58
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	26.79	8.24
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	55.33	13.73
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	5.33	2.01
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	29.35	11.43

27 14 Communications Cabling *(27 10)*

27 14 13 Communications Copper Cabling *(27 14)*

27 14 13 13 Communications Copper Cable Splicing and Terminations *(27 14 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0001		Modular Plugs For Copper Communications Cable *(27 14 13 13)*		
27 14 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	21.45	
		For >5 To 10, Deduct	*-2.74*	
		For >10, Deduct	*-5.48*	
27 14 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	24.40	
		For >5 To 10, Deduct	*-3.08*	
		For >10, Deduct	*-6.16*	
27 14 13 13-0004		Communications Termination Blocks *(27 14 13 13)*		
27 14 13 13-0005	EA	100-Pair, 110 Block With Legs	39.97	11.43
27 14 13 13-0006	EA	300-Pair, 110 Block With Legs	64.82	11.43
27 14 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	9.63	4.58
27 14 13 13-0008	EA	4-Pair, 110C Connecting Block	5.33	2.28
27 14 13 13-0009	EA	5-Pair, 110C Connecting Block	5.42	2.28
27 14 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	198.69	13.73
27 14 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	462.58	13.73
27 14 13 13-0012		Testing And Certification Of Copper Communications Cable *(27 14 13 13)* Note: Use for existing systems.		
27 14 13 13-0013	PR	Test 1-Pair Of A Copper Communications Cable For Continuity	4.58	
		For >25-Pair, Deduct	*-1.83*	
27 14 13 13-0014	PR	Certify 1-Pair Of A Copper Communications Cable	6.86	
		For >25-Pair, Deduct	*-2.74*	
27 14 13 13-0015	PR	Certify And Document 1-Pair Of A Copper Communications Cable	10.98	
		For >25-Pair, Deduct	*-4.38*	
27 14 13 13-0016	PR	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	18.30	
		For >25-Pair, Deduct	*-7.30*	
27 14 13 13-0017	PR	Certify 4-Pair Cat 5-7 Telecommunications Cable	27.45	
		For >25-Pair, Deduct	*-10.96*	
27 14 13 13-0018	PR	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	43.92	
		For >25-Pair, Deduct	*-17.53*	
27 14 13 13-0019		Building Entrance Terminals *(27 14 13 13)*		
27 14 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,378.56	200.76
27 14 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,898.69	334.59
27 14 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,746.93	535.76
27 14 13 16		**Communications Copper Cabling** *(27 14 13)*		
27 14 13 16-0001		Copper Telecommunications Cable *(27 14 13 16)*		
27 14 13 16-0002		Indoor Telecommunications Cable *(27 14 13 16-0001)* Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003		Category 3, Indoor Telecommunications Cable *(27 14 13 16-0002)* Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004		Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0003)*		
27 14 13 16-0005		24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0004)*		
27 14 13 16-0006		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0005)*		
27 14 13 16-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	764.15	384.29
27 14 13 16-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	816.78	384.29
27 14 13 16-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	835.20	384.29
27 14 13 16-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,031.95	439.18
27 14 13 16-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,418.75	439.18
27 14 13 16-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,034.48	439.18
27 14 13 16-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,380.53	548.98
27 14 13 16-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,213.52	878.37
27 14 13 16-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,596.30	988.16
27 14 13 16-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,618.49	1,097.96
27 14 13 16-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,055.31	1,537.15
27 14 13 16-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,458.75	1,899.47
27 14 13 16-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	35,254.77	2,635.10
27 14 13 16-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,421.42	5,270.20
27 14 13 16-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	76,074.99	7,905.31
27 14 13 16-0022		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0005)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,404.63	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,457.26	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,475.68	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,580.94	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,967.74	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,766.46	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,295.50	1,097.96
		For Work In Restricted Working Space, Add	*548.98*	
27 14 13 16-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,945.49	1,317.55
		For Work In Restricted Working Space, Add	*658.78*	
27 14 13 16-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,419.77	1,482.24
		For Work In Restricted Working Space, Add	*741.12*	
27 14 13 16-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,533.45	1,646.94
		For Work In Restricted Working Space, Add	*823.47*	
27 14 13 16-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,336.27	2,305.71
		For Work In Restricted Working Space, Add	*1,152.86*	
27 14 13 16-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,050.79	2,854.70
		For Work In Restricted Working Space, Add	*1,427.35*	
27 14 13 16-0035	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,450.69	3,952.65
		For Work In Restricted Working Space, Add	*1,976.33*	
27 14 13 16-0036	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	60,813.25	7,905.31
		For Work In Restricted Working Space, Add	*3,952.65*	
27 14 13 16-0037	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	82,662.75	11,857.96
		For Work In Restricted Working Space, Add	*5,928.98*	

27 14 13 16-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0004)*

27 14 13 16-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0038)*

27 14 13 16-0040	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,504.60	439.18
27 14 13 16-0041	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,316.40	548.98
27 14 13 16-0042	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,822.65	878.37
27 14 13 16-0043	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,869.50	1,097.96
27 14 13 16-0044	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	26,496.53	1,537.15
27 14 13 16-0045	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,606.50	1,899.47
27 14 13 16-0046	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	51,201.47	2,635.10

27 14 13 16-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0038)*

27 14 13 16-0048	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,236.58	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0049	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,231.37	1,097.96
		For Work In Restricted Working Space, Add	*548.98*	
27 14 13 16-0050	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,554.62	1,317.55
		For Work In Restricted Working Space, Add	*658.78*	
27 14 13 16-0051	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,784.46	1,646.94
		For Work In Restricted Working Space, Add	*823.47*	
27 14 13 16-0052	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	27,777.49	2,305.71
		For Work In Restricted Working Space, Add	*1,152.86*	
27 14 13 16-0053	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,198.54	2,854.70
		For Work In Restricted Working Space, Add	*1,427.35*	
27 14 13 16-0054	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	53,397.39	3,952.65
		For Work In Restricted Working Space, Add	*1,976.33*	

27 14 13 16-0055 Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0003)*

27 14 13 16-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0055)*

27 14 13 16-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0056)*

27 14 13 16-0058	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	798.37	384.29
27 14 13 16-0059	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	850.98	384.29
27 14 13 16-0060	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	887.83	384.29
27 14 13 16-0061	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,087.21	439.18
27 14 13 16-0062	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,489.79	439.18
27 14 13 16-0063	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,587.05	439.18
27 14 13 16-0064	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,488.33	548.98
27 14 13 16-0065	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,613.29	878.37
27 14 13 16-0066	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,276.07	1,097.96
27 14 13 16-0067	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,988.96	1,537.15

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0068		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0056)*		
27 14 13 16-0069	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,438.85	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0070	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,491.46	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0071	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,528.31	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0072	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,636.20	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0073	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,038.78	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0074	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,319.03	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0075	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,403.30	1,097.96
		For Work In Restricted Working Space, Add	*548.98*	
27 14 13 16-0076	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,345.26	1,317.55
		For Work In Restricted Working Space, Add	*658.78*	
27 14 13 16-0077	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,191.03	1,646.94
		For Work In Restricted Working Space, Add	*823.47*	
27 14 13 16-0078	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	24,269.92	2,305.71
		For Work In Restricted Working Space, Add	*1,152.86*	
27 14 13 16-0079		Category 5E, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0080		Category 5E, Indoor Telecommunications Riser Cable *(27 14 13 16-0079)*		
27 14 13 16-0081		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0080)*		
27 14 13 16-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	929.92	384.29
27 14 13 16-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	997.91	384.29
27 14 13 16-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,090.73	439.18
27 14 13 16-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,159.12	439.18
27 14 13 16-0086		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0080)*		
27 14 13 16-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,570.40	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,638.39	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,822.71	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,891.10	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0091		Category 5E, Indoor Telecommunications Plenum Cable *(27 14 13 16-0079)*		
27 14 13 16-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0091)*		
27 14 13 16-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,156.22	384.29
27 14 13 16-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,754.47	439.18
27 14 13 16-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0091)*		
27 14 13 16-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,796.70	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,486.45	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0098		Category 6, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0099		Category 6, Indoor Telecommunications Riser Cable *(27 14 13 16-0098)*		
27 14 13 16-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0099)*		
27 14 13 16-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,098.32	384.29
27 14 13 16-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,149.52	384.29
27 14 13 16-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0099)*		
27 14 13 16-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,738.80	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,790.00	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 14 13 16-0098)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0106)*		
27 14 13 16-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,571.97	384.29
27 14 13 16-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0106)*		
27 14 13 16-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,212.45	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0111		Category 6a, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 14 13 16-0111)*		
27 14 13 16-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0112)*		
27 14 13 16-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,180.12	384.29
27 14 13 16-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0112)*		
27 14 13 16-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,820.60	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0117		Category 6a, Indoor Telecommunications Plenum Cable *(27 14 13 16-0111)*		
27 14 13 16-0118		Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0117)*		
27 14 13 16-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,814.07	384.29
27 14 13 16-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0117)*		
27 14 13 16-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed	2,454.55	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 13 16-0122		Category 7, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0122)*		
27 14 13 16-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,812.32	439.18
27 14 13 16-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,810.22	439.18
27 14 13 16-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 14 13 16-0122)*		
27 14 13 16-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,544.30	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	6,542.20	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 13 16-0129		Outdoor Telecommunications Cable *(27 14 13 16-0001)* Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0130		PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0129)* Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		
27 14 13 16-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0131)*		
27 14 13 16-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,221.95	439.18
27 14 13 16-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,429.19	768.57
27 14 13 16-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,967.14	494.08
27 14 13 16-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,909.14	548.98
27 14 13 16-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,120.50	768.57
27 14 13 16-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,150.81	878.37
27 14 13 16-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,643.00	988.16
27 14 13 16-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,695.72	1,427.34
27 14 13 16-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,812.86	1,866.53
27 14 13 16-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,829.78	2,525.31
27 14 13 16-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,465.10	5,050.61
27 14 13 16-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	50,059.15	7,466.13
27 14 13 16-0145		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0131)*		
27 14 13 16-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,084.71	
27 14 13 16-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,291.95	
27 14 13 16-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,784.15	
27 14 13 16-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,726.15	
27 14 13 16-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,846.00	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,693.32	
27 14 13 16-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,460.01	
27 14 13 16-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,146.74	
27 14 13 16-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,669.15	
27 14 13 16-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,816.86	
27 14 13 16-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,975.32	
27 14 13 16-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	42,007.44	
27 14 13 16-0158		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		
27 14 13 16-0159		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0158)*		
27 14 13 16-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,353.70	439.18
27 14 13 16-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,675.35	439.18
27 14 13 16-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,471.00	494.08
27 14 13 16-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,805.95	548.98
27 14 13 16-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,521.96	768.57
27 14 13 16-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,056.06	878.37
27 14 13 16-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,318.50	988.16
27 14 13 16-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,937.73	1,427.34
27 14 13 16-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,879.54	1,866.53
27 14 13 16-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,170.42	2,525.31
27 14 13 16-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	52,050.32	5,050.61
27 14 13 16-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	73,376.08	7,466.13
27 14 13 16-0172		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0158)*		
27 14 13 16-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,216.46	
27 14 13 16-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,538.11	
27 14 13 16-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,288.01	
27 14 13 16-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,622.96	
27 14 13 16-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,247.46	
27 14 13 16-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,781.56	
27 14 13 16-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,135.51	
27 14 13 16-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	17,388.75	
27 14 13 16-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,735.83	
27 14 13 16-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	33,157.50	
27 14 13 16-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	46,560.54	
27 14 13 16-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	65,324.37	
27 14 13 16-0185		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		
27 14 13 16-0186		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0185)*		
27 14 13 16-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,024.29	494.08
27 14 13 16-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,842.13	548.98
27 14 13 16-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,922.77	768.57
27 14 13 16-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,069.86	878.37
27 14 13 16-0191		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0185)*		
27 14 13 16-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,841.30	
27 14 13 16-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,659.14	
27 14 13 16-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,648.27	
27 14 13 16-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,795.36	
27 14 13 16-0196		PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0129)* Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		
27 14 13 16-0198		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0197)*		
27 14 13 16-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,789.46	768.57
27 14 13 16-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,043.01	768.57
27 14 13 16-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,554.52	768.57
27 14 13 16-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,475.66	768.57
27 14 13 16-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,343.86	768.57
27 14 13 16-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,503.00	988.16
27 14 13 16-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,868.80	1,427.34
27 14 13 16-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,242.25	1,866.53
27 14 13 16-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,916.80	2,525.31
27 14 13 16-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,164.14	5,050.61
27 14 13 16-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	57,059.37	7,466.13
27 14 13 16-0210		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0197)*		
27 14 13 16-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,514.96	
27 14 13 16-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,768.51	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,280.02	
27 14 13 16-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,201.16	
27 14 13 16-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,069.36	
27 14 13 16-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,320.01	
27 14 13 16-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,319.82	
27 14 13 16-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,098.54	
27 14 13 16-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,903.88	
27 14 13 16-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,674.36	
27 14 13 16-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	49,007.66	
27 14 13 16-0222		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		
27 14 13 16-0223		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0222)*		
27 14 13 16-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,936.05	768.57
27 14 13 16-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,308.62	768.57
27 14 13 16-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,101.47	768.57
27 14 13 16-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,560.04	768.57
27 14 13 16-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,603.87	768.57
27 14 13 16-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,852.34	988.16
27 14 13 16-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	20,288.97	1,427.34
27 14 13 16-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,007.31	1,866.53
27 14 13 16-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	36,294.40	2,525.31
27 14 13 16-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	57,587.10	5,050.61
27 14 13 16-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0222)*		
27 14 13 16-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,661.55	
27 14 13 16-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,034.12	
27 14 13 16-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,826.97	
27 14 13 16-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,285.54	
27 14 13 16-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,329.37	
27 14 13 16-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,669.35	
27 14 13 16-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	19,739.99	
27 14 13 16-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,863.60	
27 14 13 16-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,281.48	
27 14 13 16-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	52,097.32	
27 14 13 16-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		
27 14 13 16-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0245)*		
27 14 13 16-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,857.82	768.57
27 14 13 16-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,815.99	768.57
27 14 13 16-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,950.18	768.57
27 14 13 16-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0245)*		
27 14 13 16-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,583.32	
27 14 13 16-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,541.49	
27 14 13 16-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,675.68	
27 14 13 16-0254		(Aerial) Outdoor Telecommunications Cable *(27 14 13 16-0129)* Note: Includes support wire.		
27 14 13 16-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,271.37	1,536.31
27 14 13 16-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,482.34	1,536.31
27 14 13 16-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,006.11	1,536.31
27 14 13 16-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,975.87	1,536.31
27 14 13 16-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,848.95	1,536.31
27 14 13 16-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,940.42	1,689.94
27 14 13 16-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,055.05	1,843.58
27 14 13 16-0263		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,523.77	1,536.31
27 14 13 16-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,835.45	1,536.31
27 14 13 16-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,586.17	1,536.31
27 14 13 16-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,069.28	1,536.31
27 14 13 16-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,482.32	1,536.31
27 14 13 16-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,555.92	1,689.94
27 14 13 16-0270		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,857.45	1,536.31
27 14 13 16-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,562.31	1,536.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,948.17	1,536.31
27 14 13 16-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,719.92	1,536.31
27 14 13 16-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	16,438.34	1,536.31

27 14 13 16-0276 Solid Conductor Low Voltage Cable *(27 14 13 16)*

27 14 13 16-0277 Shielded, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0276)*

27 14 13 16-0278 #12 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0277)*

27 14 13 16-0279	MLF	1 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,864.80	828.11
		For #10 AWG, Add	*435.95*	
		For Installation On Exposed Surface, Deduct	*-276.06*	
		For Work In Restricted Working Space, Add	*414.09*	
27 14 13 16-0280	MLF	2 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,323.47	857.39
		For #10 AWG, Add	*580.92*	
		For Installation On Exposed Surface, Deduct	*-285.88*	
		For Work In Restricted Working Space, Add	*428.82*	
27 14 13 16-0281	MLF	3 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,724.37	887.50
		For #10 AWG, Add	*706.81*	
		For Installation On Exposed Surface, Deduct	*-295.75*	
		For Work In Restricted Working Space, Add	*443.62*	
27 14 13 16-0282	MLF	4 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,149.11	917.62
		For #10 AWG, Add	*840.33*	
		For Installation On Exposed Surface, Deduct	*-305.96*	
		For Work In Restricted Working Space, Add	*458.94*	
27 14 13 16-0283	MLF	5 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,603.84	979.51
		For #10 AWG, Add	*976.98*	
		For Installation On Exposed Surface, Deduct	*-326.60*	
		For Work In Restricted Working Space, Add	*489.90*	
27 14 13 16-0284	MLF	6 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,017.32	1,040.57
		For #10 AWG, Add	*1,100.20*	
		For Installation On Exposed Surface, Deduct	*-346.95*	
		For Work In Restricted Working Space, Add	*520.42*	
27 14 13 16-0285	MLF	8 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,343.95	1,164.37
		For #10 AWG, Add	*1,181.27*	
		For Installation On Exposed Surface, Deduct	*-388.05*	
		For Work In Restricted Working Space, Add	*582.08*	
27 14 13 16-0286	MLF	12 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,762.64	1,534.93
		For #10 AWG, Add	*1,569.17*	
		For Installation On Exposed Surface, Deduct	*-511.54*	
		For Work In Restricted Working Space, Add	*767.32*	
27 14 13 16-0287	MLF	24 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	8,584.47	2,266.85
		For #10 AWG, Add	*2,341.85*	
		For Installation On Exposed Surface, Deduct	*-755.42*	
		For Work In Restricted Working Space, Add	*1,133.13*	

27 14 13 16-0288 #14 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0277)*

27 14 13 16-0289	MLF	1 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,669.96	724.39
		For Installation On Exposed Surface, Deduct	*-241.41*	
		For Work In Restricted Working Space, Add	*362.11*	
27 14 13 16-0290	MLF	2 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,104.79	750.32
		For Installation On Exposed Surface, Deduct	*-250.11*	
		For Work In Restricted Working Space, Add	*375.16*	
27 14 13 16-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,484.18	776.25
		For Installation On Exposed Surface, Deduct	*-258.80*	
		For Work In Restricted Working Space, Add	*388.21*	
27 14 13 16-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,885.55	803.02
		For Installation On Exposed Surface, Deduct	*-267.67*	
		For Work In Restricted Working Space, Add	*401.51*	
27 14 13 16-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,311.78	857.39
		For Installation On Exposed Surface, Deduct	*-285.74*	
		For Work In Restricted Working Space, Add	*428.61*	
27 14 13 16-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,698.29	910.92
		For Installation On Exposed Surface, Deduct	*-303.47*	
		For Work In Restricted Working Space, Add	*455.21*	
27 14 13 16-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,994.68	1,018.82
		For Installation On Exposed Surface, Deduct	*-339.61*	
		For Work In Restricted Working Space, Add	*509.41*	
27 14 13 16-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,299.75	1,342.53
		For Installation On Exposed Surface, Deduct	*-447.51*	
		For Work In Restricted Working Space, Add	*671.27*	
27 14 13 16-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,899.03	1,983.28
		For Installation On Exposed Surface, Deduct	*-661.15*	
		For Work In Restricted Working Space, Add	*991.72*	

27 14 13 16-0298 #16 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0277)*

27 14 13 16-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,485.86	646.59
		For Installation On Exposed Surface, Deduct	*-215.64*	
		For Work In Restricted Working Space, Add	*323.46*	
27 14 13 16-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,770.83	670.02
		For Installation On Exposed Surface, Deduct	*-223.34*	
		For Work In Restricted Working Space, Add	*335.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0301 MLF 3 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,203.22	693.43
For Installation On Exposed Surface, Deduct	*-231.03*	
For Work In Restricted Working Space, Add	*346.55*	
27 14 13 16-0302 MLF 4 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,557.78	716.86
For Installation On Exposed Surface, Deduct	*-239.06*	
For Work In Restricted Working Space, Add	*358.60*	
27 14 13 16-0303 MLF 5 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,933.86	765.37
For Installation On Exposed Surface, Deduct	*-255.12*	
For Work In Restricted Working Space, Add	*382.69*	
27 14 13 16-0304 MLF 6 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,275.61	813.05
For Installation On Exposed Surface, Deduct	*-271.02*	
For Work In Restricted Working Space, Add	*406.52*	
27 14 13 16-0305 MLF 7 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,406.87	861.57
For Installation On Exposed Surface, Deduct	*-287.08*	
For Work In Restricted Working Space, Add	*430.62*	
27 14 13 16-0306 MLF 8 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,538.94	910.08
For Installation On Exposed Surface, Deduct	*-303.30*	
For Work In Restricted Working Space, Add	*454.96*	
27 14 13 16-0307 MLF 9 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,972.22	967.80
For Installation On Exposed Surface, Deduct	*-322.54*	
For Work In Restricted Working Space, Add	*483.82*	
27 14 13 16-0308 MLF 12 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,694.48	1,198.67
For Installation On Exposed Surface, Deduct	*-399.58*	
For Work In Restricted Working Space, Add	*599.37*	
27 14 13 16-0309 MLF 24 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	6,996.35	1,770.81
For Installation On Exposed Surface, Deduct	*-590.30*	
For Work In Restricted Working Space, Add	*885.45*	

27 14 13 16-0310 #18 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0277)*

27 14 13 16-0311 MLF 1 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,236.40	569.64
For Installation On Exposed Surface, Deduct	*-189.71*	
For Work In Restricted Working Space, Add	*284.57*	
27 14 13 16-0312 MLF 2 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,514.02	589.71
For Installation On Exposed Surface, Deduct	*-196.57*	
For Work In Restricted Working Space, Add	*294.86*	
27 14 13 16-0313 MLF 3 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,757.17	609.79
For Installation On Exposed Surface, Deduct	*-203.43*	
For Work In Restricted Working Space, Add	*305.15*	
27 14 13 16-0314 MLF 4 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,013.47	630.70
For Installation On Exposed Surface, Deduct	*-210.29*	
For Work In Restricted Working Space, Add	*315.44*	
27 14 13 16-0315 MLF 5 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,293.41	673.36
For Installation On Exposed Surface, Deduct	*-224.51*	
For Work In Restricted Working Space, Add	*336.76*	
27 14 13 16-0316 MLF 6 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,548.89	715.18
For Installation On Exposed Surface, Deduct	*-238.56*	
For Work In Restricted Working Space, Add	*357.85*	
27 14 13 16-0317 MLF 8 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,762.20	800.50
For Installation On Exposed Surface, Deduct	*-266.84*	
For Work In Restricted Working Space, Add	*400.25*	
27 14 13 16-0318 MLF 12 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,662.28	1,054.80
For Installation On Exposed Surface, Deduct	*-351.65*	
For Work In Restricted Working Space, Add	*527.48*	
27 14 13 16-0319 MLF 24 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,453.29	1,558.35
For Installation On Exposed Surface, Deduct	*-519.45*	
For Work In Restricted Working Space, Add	*779.18*	

27 14 13 16-0320 #20 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0277)*

27 14 13 16-0321 MLF 1 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,083.61	517.78
For Installation On Exposed Surface, Deduct	*-172.48*	
For Work In Restricted Working Space, Add	*258.72*	
27 14 13 16-0322 MLF 2 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,302.75	536.18
For Installation On Exposed Surface, Deduct	*-178.67*	
For Work In Restricted Working Space, Add	*268.01*	
27 14 13 16-0323 MLF 3 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,492.99	555.00
For Installation On Exposed Surface, Deduct	*-184.86*	
For Work In Restricted Working Space, Add	*277.29*	
27 14 13 16-0324 MLF 4 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,693.35	573.83
For Installation On Exposed Surface, Deduct	*-191.22*	
For Work In Restricted Working Space, Add	*286.83*	
27 14 13 16-0325 MLF 5 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,919.86	612.30
For Installation On Exposed Surface, Deduct	*-204.01*	
For Work In Restricted Working Space, Add	*306.02*	
27 14 13 16-0326 MLF 6 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,126.18	650.77
For Installation On Exposed Surface, Deduct	*-216.81*	
For Work In Restricted Working Space, Add	*325.22*	
27 14 13 16-0327 MLF 8 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,326.25	727.73
For Installation On Exposed Surface, Deduct	*-242.58*	
For Work In Restricted Working Space, Add	*363.86*	
27 14 13 16-0328 MLF 12 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,061.71	959.43
For Installation On Exposed Surface, Deduct	*-319.70*	
For Work In Restricted Working Space, Add	*479.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,556.17	1,416.99
		For Installation On Exposed Surface, Deduct	*-472.27*	
		For Work In Restricted Working Space, Add	*708.41*	
27 14 13 16-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,859.91	1,450.45
		For Installation On Exposed Surface, Deduct	*-483.48*	
		For Work In Restricted Working Space, Add	*725.22*	
27 14 13 16-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,807.66	1,688.84
		For Installation On Exposed Surface, Deduct	*-562.95*	
		For Work In Restricted Working Space, Add	*844.42*	
27 14 13 16-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	6,232.93	1,807.62
		For Installation On Exposed Surface, Deduct	*-602.59*	
		For Work In Restricted Working Space, Add	*903.89*	
27 14 13 16-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,411.50	2,259.32
		For Installation On Exposed Surface, Deduct	*-752.99*	
		For Work In Restricted Working Space, Add	*1,129.49*	
27 14 13 16-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	10,117.12	2,974.50
		For Installation On Exposed Surface, Deduct	*-991.38*	
		For Work In Restricted Working Space, Add	*1,487.07*	
27 14 13 16-0335		**#22 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0277)*		
27 14 13 16-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	891.97	465.91
		For Installation On Exposed Surface, Deduct	*-155.25*	
		For Work In Restricted Working Space, Add	*232.88*	
27 14 13 16-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	962.20	482.64
		For Installation On Exposed Surface, Deduct	*-160.77*	
		For Work In Restricted Working Space, Add	*241.16*	
27 14 13 16-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,049.52	499.37
		For Installation On Exposed Surface, Deduct	*-166.46*	
		For Work In Restricted Working Space, Add	*249.69*	
27 14 13 16-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,144.94	516.10
		For Installation On Exposed Surface, Deduct	*-172.15*	
		For Work In Restricted Working Space, Add	*258.22*	
27 14 13 16-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,283.05	551.23
		For Installation On Exposed Surface, Deduct	*-183.69*	
		For Work In Restricted Working Space, Add	*275.54*	
27 14 13 16-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,423.43	583.86
		For Installation On Exposed Surface, Deduct	*-194.73*	
		For Work In Restricted Working Space, Add	*292.10*	
27 14 13 16-0342		**Triad** *(27 14 13 16-0277)*		
27 14 13 16-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit	1,625.29	693.43
27 14 13 16-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	2,163.84	959.43
27 14 13 16-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	3,313.51	1,416.99
27 14 13 16-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	4,064.44	1,688.84
27 14 13 16-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	6,532.62	2,616.49
27 14 13 16-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	7,486.05	2,974.50
27 14 13 16-0349		**Shielded, Low Voltage Cable Buried In Trench** *(27 14 13 16-0276)* Note: Excludes excavation.		
27 14 13 16-0350	MLF	1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,562.33	
27 14 13 16-0351	MLF	2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,992.24	
27 14 13 16-0352	MLF	3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,367.74	
27 14 13 16-0353	MLF	4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,765.78	
27 14 13 16-0354	MLF	5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,183.48	
27 14 13 16-0355	MLF	6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,562.54	
27 14 13 16-0356		**Shielded, Low Voltage Cable Installed On Poles, Aerially** *(27 14 13 16-0276)*		
27 14 13 16-0357	MLF	1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,642.39	448.12
27 14 13 16-0358	MLF	2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,117.98	480.10
27 14 13 16-0359	MLF	3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,787.63	606.94
27 14 13 16-0360	MLF	4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,394.92	702.00
27 14 13 16-0361	MLF	5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,110.89	800.13
27 14 13 16-0362	MLF	6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	6,170.77	1,022.22
27 14 13 16-0363		**Non-Shielded Low Voltage Cable Pulled In Conduit** *(27 14 13 16-0276)*		
27 14 13 16-0364		**#14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0363)*		
27 14 13 16-0365	MLF	1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,424.88	724.39
		For Installation On Exposed Surface, Deduct	*-241.41*	
		For Work In Restricted Working Space, Add	*362.11*	
		For Work In Restricted Working Space, Add	*362.11*	
27 14 13 16-0366	MLF	2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,652.55	750.32
		For Installation On Exposed Surface, Deduct	*-250.11*	
		For Work In Restricted Working Space, Add	*375.16*	
		For Work In Restricted Working Space, Add	*375.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0367 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,854.12	776.25
For Installation On Exposed Surface, Deduct	*-258.80*	
For Work In Restricted Working Space, Add	*388.21*	
For Work In Restricted Working Space, Add	*388.21*	
27 14 13 16-0368 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,066.48	803.02
For Installation On Exposed Surface, Deduct	*-267.67*	
For Work In Restricted Working Space, Add	*401.51*	
For Work In Restricted Working Space, Add	*401.51*	
27 14 13 16-0369 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,313.21	856.55
For Installation On Exposed Surface, Deduct	*-285.40*	
For Work In Restricted Working Space, Add	*428.11*	
For Work In Restricted Working Space, Add	*428.11*	
27 14 13 16-0370 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,542.89	910.08
For Installation On Exposed Surface, Deduct	*-303.31*	
For Work In Restricted Working Space, Add	*454.96*	
For Work In Restricted Working Space, Add	*454.96*	
27 14 13 16-0371 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,778.84	1,018.82
For Installation On Exposed Surface, Deduct	*-339.61*	
For Work In Restricted Working Space, Add	*509.41*	
For Work In Restricted Working Space, Add	*509.41*	
27 14 13 16-0372 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,678.64	1,342.53
For Installation On Exposed Surface, Deduct	*-447.51*	
For Work In Restricted Working Space, Add	*671.27*	
For Work In Restricted Working Space, Add	*671.27*	
27 14 13 16-0373 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,467.36	1,983.28
For Installation On Exposed Surface, Deduct	*-661.15*	
For Work In Restricted Working Space, Add	*991.72*	
For Work In Restricted Working Space, Add	*991.72*	
27 14 13 16-0374 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*		
27 14 13 16-0375 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,270.05	646.59
For Installation On Exposed Surface, Deduct	*-215.64*	
For Work In Restricted Working Space, Add	*323.46*	
For Work In Restricted Working Space, Add	*323.46*	
27 14 13 16-0376 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,470.71	670.02
For Installation On Exposed Surface, Deduct	*-223.34*	
For Work In Restricted Working Space, Add	*335.01*	
For Work In Restricted Working Space, Add	*335.01*	
27 14 13 16-0377 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,648.39	693.43
For Installation On Exposed Surface, Deduct	*-231.03*	
For Work In Restricted Working Space, Add	*346.55*	
For Work In Restricted Working Space, Add	*346.55*	
27 14 13 16-0378 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,836.50	716.86
For Installation On Exposed Surface, Deduct	*-239.06*	
For Work In Restricted Working Space, Add	*358.60*	
For Work In Restricted Working Space, Add	*358.60*	
27 14 13 16-0379 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,055.16	764.54
For Installation On Exposed Surface, Deduct	*-254.96*	
For Work In Restricted Working Space, Add	*382.44*	
For Work In Restricted Working Space, Add	*382.44*	
27 14 13 16-0380 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,258.89	813.05
For Installation On Exposed Surface, Deduct	*-271.02*	
For Work In Restricted Working Space, Add	*406.52*	
For Work In Restricted Working Space, Add	*406.52*	
27 14 13 16-0381 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,363.18	861.57
For Installation On Exposed Surface, Deduct	*-287.08*	
For Work In Restricted Working Space, Add	*430.62*	
For Work In Restricted Working Space, Add	*430.62*	
27 14 13 16-0382 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,529.80	910.08
For Installation On Exposed Surface, Deduct	*-303.30*	
For Work In Restricted Working Space, Add	*454.96*	
For Work In Restricted Working Space, Add	*454.96*	
27 14 13 16-0383 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,794.79	967.80
For Installation On Exposed Surface, Deduct	*-322.53*	
For Work In Restricted Working Space, Add	*483.79*	
For Work In Restricted Working Space, Add	*483.79*	
27 14 13 16-0384 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,266.93	1,198.67
For Installation On Exposed Surface, Deduct	*-399.58*	
For Work In Restricted Working Space, Add	*599.38*	
For Work In Restricted Working Space, Add	*599.38*	
27 14 13 16-0385 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,855.43	1,770.81
For Installation On Exposed Surface, Deduct	*-590.38*	
For Work In Restricted Working Space, Add	*885.57*	
For Work In Restricted Working Space, Add	*885.57*	
27 14 13 16-0386 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*		
27 14 13 16-0387 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,108.67	568.80
For Installation On Exposed Surface, Deduct	*-189.71*	
For Work In Restricted Working Space, Add	*284.57*	
For Work In Restricted Working Space, Add	*284.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0388 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,269.96	589.71
For Installation On Exposed Surface, Deduct	*-196.57*	
For Work In Restricted Working Space, Add	*294.86*	
For Work In Restricted Working Space, Add	*294.86*	
27 14 13 16-0389 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,370.50	610.62
For Installation On Exposed Surface, Deduct	*-203.43*	
For Work In Restricted Working Space, Add	*305.15*	
For Work In Restricted Working Space, Add	*305.15*	
27 14 13 16-0390 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,504.18	630.70
For Installation On Exposed Surface, Deduct	*-210.29*	
For Work In Restricted Working Space, Add	*315.44*	
For Work In Restricted Working Space, Add	*315.44*	
27 14 13 16-0391 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,663.61	673.36
For Installation On Exposed Surface, Deduct	*-224.51*	
For Work In Restricted Working Space, Add	*336.76*	
For Work In Restricted Working Space, Add	*336.76*	
27 14 13 16-0392 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,822.22	716.02
For Installation On Exposed Surface, Deduct	*-238.56*	
For Work In Restricted Working Space, Add	*357.85*	
For Work In Restricted Working Space, Add	*357.85*	
27 14 13 16-0393 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,195.47	800.50
For Installation On Exposed Surface, Deduct	*-266.84*	
For Work In Restricted Working Space, Add	*400.25*	
For Work In Restricted Working Space, Add	*400.25*	
27 14 13 16-0394 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,850.79	1,054.80
For Installation On Exposed Surface, Deduct	*-351.65*	
For Work In Restricted Working Space, Add	*527.48*	
For Work In Restricted Working Space, Add	*527.48*	
27 14 13 16-0395 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,790.52	1,558.35
For Installation On Exposed Surface, Deduct	*-519.45*	
For Work In Restricted Working Space, Add	*779.18*	
For Work In Restricted Working Space, Add	*779.18*	

27 14 13 16-0396 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0397 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	975.43	517.78
For Installation On Exposed Surface, Deduct	*-172.48*	
For Work In Restricted Working Space, Add	*258.72*	
For Work In Restricted Working Space, Add	*258.72*	
27 14 13 16-0398 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,086.01	536.18
For Installation On Exposed Surface, Deduct	*-178.67*	
For Work In Restricted Working Space, Add	*268.01*	
For Work In Restricted Working Space, Add	*268.01*	
27 14 13 16-0399 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,284.78	610.62
For Installation On Exposed Surface, Deduct	*-203.43*	
For Work In Restricted Working Space, Add	*305.15*	
For Work In Restricted Working Space, Add	*305.15*	
27 14 13 16-0400 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,303.04	573.83
For Installation On Exposed Surface, Deduct	*-191.22*	
For Work In Restricted Working Space, Add	*286.83*	
For Work In Restricted Working Space, Add	*286.83*	
27 14 13 16-0401 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,545.98	673.36
For Installation On Exposed Surface, Deduct	*-224.51*	
For Work In Restricted Working Space, Add	*336.76*	
For Work In Restricted Working Space, Add	*336.76*	
27 14 13 16-0402 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,683.24	716.02
For Installation On Exposed Surface, Deduct	*-238.56*	
For Work In Restricted Working Space, Add	*357.85*	
For Work In Restricted Working Space, Add	*357.85*	
27 14 13 16-0403 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,852.28	796.82
For Installation On Exposed Surface, Deduct	*-265.66*	
For Work In Restricted Working Space, Add	*398.50*	
For Work In Restricted Working Space, Add	*398.50*	
27 14 13 16-0404 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,287.09	959.43
For Installation On Exposed Surface, Deduct	*-319.70*	
For Work In Restricted Working Space, Add	*479.55*	
For Work In Restricted Working Space, Add	*479.55*	
27 14 13 16-0405 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,394.24	1,416.99
For Installation On Exposed Surface, Deduct	*-472.27*	
For Work In Restricted Working Space, Add	*708.41*	
For Work In Restricted Working Space, Add	*708.41*	
27 14 13 16-0406 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,566.86	1,450.45
For Installation On Exposed Surface, Deduct	*-483.48*	
For Work In Restricted Working Space, Add	*725.22*	
For Work In Restricted Working Space, Add	*725.22*	
27 14 13 16-0407 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,223.22	1,688.84
For Installation On Exposed Surface, Deduct	*-562.95*	
For Work In Restricted Working Space, Add	*844.42*	
For Work In Restricted Working Space, Add	*844.42*	
27 14 13 16-0408 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,528.29	1,807.62
For Installation On Exposed Surface, Deduct	*-602.59*	
For Work In Restricted Working Space, Add	*903.89*	
For Work In Restricted Working Space, Add	*903.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0409	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,481.03	2,259.32
		For Installation On Exposed Surface, Deduct	*-752.99*	
		For Work In Restricted Working Space, Add	*1,129.49*	
		For Work In Restricted Working Space, Add	*1,129.49*	
27 14 13 16-0410	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,385.32	2,974.50
		For Installation On Exposed Surface, Deduct	*-991.38*	
		For Work In Restricted Working Space, Add	*1,487.07*	
		For Work In Restricted Working Space, Add	*1,487.07*	
27 14 13 16-0411		**#22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0363)*		
27 14 13 16-0412	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	851.18	465.91
		For Installation On Exposed Surface, Deduct	*-155.25*	
		For Work In Restricted Working Space, Add	*232.88*	
		For Installation On Exposed Surface, Deduct	*-155.25*	
		For Work In Restricted Working Space, Add	*232.88*	
27 14 13 16-0413	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	906.38	482.64
		For Installation On Exposed Surface, Deduct	*-160.77*	
		For Work In Restricted Working Space, Add	*241.16*	
		For Installation On Exposed Surface, Deduct	*-160.77*	
		For Work In Restricted Working Space, Add	*241.16*	
27 14 13 16-0414	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	978.08	499.37
		For Installation On Exposed Surface, Deduct	*-166.46*	
		For Work In Restricted Working Space, Add	*249.69*	
		For Installation On Exposed Surface, Deduct	*-166.46*	
		For Work In Restricted Working Space, Add	*249.69*	
27 14 13 16-0415	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,056.18	516.10
		For Installation On Exposed Surface, Deduct	*-172.15*	
		For Work In Restricted Working Space, Add	*258.22*	
		For Installation On Exposed Surface, Deduct	*-172.15*	
		For Work In Restricted Working Space, Add	*258.22*	
27 14 13 16-0416	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,160.36	551.23
		For Installation On Exposed Surface, Deduct	*-183.69*	
		For Work In Restricted Working Space, Add	*275.54*	
		For Installation On Exposed Surface, Deduct	*-183.69*	
		For Work In Restricted Working Space, Add	*275.54*	
27 14 13 16-0417	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,272.08	583.86
		For Installation On Exposed Surface, Deduct	*-194.73*	
		For Work In Restricted Working Space, Add	*292.10*	
		For Installation On Exposed Surface, Deduct	*-194.73*	
		For Work In Restricted Working Space, Add	*292.10*	
27 14 13 16-0418		**Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit** *(27 14 13 16-0276)*		
27 14 13 16-0419	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,222.69	646.59
27 14 13 16-0420	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,457.78	670.02
27 14 13 16-0421	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,624.51	693.43
27 14 13 16-0422	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,715.83	716.86
27 14 13 16-0423	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,043.08	764.54
27 14 13 16-0424	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,207.81	813.05
27 14 13 16-0425	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,744.45	910.08
27 14 13 16-0426	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,421.22	1,198.67
27 14 13 16-0427	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,186.07	1,770.81
27 14 13 16-0428	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,058.19	568.80
27 14 13 16-0429	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,251.44	589.71
27 14 13 16-0430	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,411.94	610.62
27 14 13 16-0431	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,493.30	630.70
27 14 13 16-0432	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,773.12	673.36
27 14 13 16-0433	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,984.10	716.02
27 14 13 16-0434	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,239.72	800.50
27 14 13 16-0435	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,897.56	1,054.80
27 14 13 16-0436	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,607.05	1,558.35
27 14 13 16-0437	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	937.45	517.78
27 14 13 16-0438	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,061.17	536.18
27 14 13 16-0439	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,181.18	554.58
27 14 13 16-0440	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,258.30	573.83
27 14 13 16-0441	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,368.04	612.30
27 14 13 16-0442	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,490.56	650.77
27 14 13 16-0443	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,669.26	727.73
27 14 13 16-0444	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,294.33	959.43
27 14 13 16-0445	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,479.10	1,416.99
27 14 13 16-0446	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,661.21	1,450.45
27 14 13 16-0447	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,314.69	1,688.84
27 14 13 16-0448	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,652.80	1,807.62
27 14 13 16-0449	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,622.03	2,259.32
27 14 13 16-0450	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,584.85	2,974.50
27 14 13 16-0451	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	14,601.97	5,478.90
27 14 13 16-0452	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	21,873.79	7,250.55
27 14 13 16-0453	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	29,185.35	9,136.80
27 14 13 16-0454	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	41,041.25	12,532.88
27 14 13 16-0455	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	910.41	517.78
27 14 13 16-0456	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,000.70	536.18
27 14 13 16-0457	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,088.62	554.58

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0458	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,149.40	573.83
27 14 13 16-0459	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,242.82	612.30
27 14 13 16-0460	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,344.09	650.77
27 14 13 16-0461	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,504.81	727.73
27 14 13 16-0462	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,043.61	959.43
27 14 13 16-0463	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,076.36	1,416.99
27 14 13 16-0464	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,213.04	1,450.45
27 14 13 16-0465	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,789.74	1,688.84
27 14 13 16-0466	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,061.93	1,807.62
27 14 13 16-0467	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,952.88	2,259.32
27 14 13 16-0468	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,637.95	2,974.50
27 14 13 16-0469	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	12,598.07	5,478.90
27 14 13 16-0470	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	18,335.87	7,250.55
27 14 13 16-0471	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	24,142.43	9,136.80
27 14 13 16-0472	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	33,760.87	12,532.88
27 14 13 16-0473		Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0276)*		
27 14 13 16-0474	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,258.02	646.59
27 14 13 16-0475	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,439.11	670.02
27 14 13 16-0476	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,551.99	693.43
27 14 13 16-0477	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,702.91	716.86
27 14 13 16-0478	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,883.26	764.54
27 14 13 16-0479	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,061.92	813.05
27 14 13 16-0480	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,483.78	910.08
27 14 13 16-0481	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,226.01	1,198.67
27 14 13 16-0482	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,812.02	1,770.81
27 14 13 16-0483	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,101.40	568.80
27 14 13 16-0484	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,256.92	589.71
27 14 13 16-0485	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,354.45	610.62
27 14 13 16-0486	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,483.62	630.70
27 14 13 16-0487	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,639.04	673.36
27 14 13 16-0488	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,793.64	716.02
27 14 13 16-0489	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,156.35	800.50
27 14 13 16-0490	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,801.79	1,054.80
27 14 13 16-0491	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,178.35	1,558.35
27 14 13 16-0492	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	970.30	517.78
27 14 13 16-0493	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,104.16	536.18
27 14 13 16-0494	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,198.36	554.58
27 14 13 16-0495	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,368.28	573.83
27 14 13 16-0496	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,519.01	612.30
27 14 13 16-0497	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,806.29	650.77
27 14 13 16-0498	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,018.93	727.73
27 14 13 16-0499	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,553.36	959.43
27 14 13 16-0500	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,849.45	1,416.99
27 14 13 16-0501	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,072.45	1,450.45
27 14 13 16-0502	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,842.90	1,688.84
27 14 13 16-0503	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,194.98	1,807.62
27 14 13 16-0504	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,236.03	2,259.32
27 14 13 16-0505	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	8,453.73	2,974.50
27 14 13 16-0506	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	16,441.18	5,478.90
27 14 13 16-0507	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	25,120.76	7,250.55
27 14 13 16-0508	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	33,813.03	9,136.80
27 14 13 16-0509	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	47,722.22	12,532.04
27 14 13 16-0510	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	931.42	517.78
27 14 13 16-0511	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,028.20	536.18
27 14 13 16-0512	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,099.61	554.58
27 14 13 16-0513	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,219.76	573.83
27 14 13 16-0514	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,339.39	612.30
27 14 13 16-0515	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,546.06	650.77
27 14 13 16-0516	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,728.50	727.73
27 14 13 16-0517	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,209.30	959.43
27 14 13 16-0518	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,313.26	1,416.99
27 14 13 16-0519	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,476.10	1,450.45
27 14 13 16-0520	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,112.10	1,688.84
27 14 13 16-0521	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,408.75	1,807.62
27 14 13 16-0522	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,345.64	2,259.32
27 14 13 16-0523	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,193.75	2,974.50
27 14 13 16-0524	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	13,774.47	5,478.90
27 14 13 16-0525	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	20,412.89	7,250.55
27 14 13 16-0526	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	27,102.94	9,136.80
27 14 13 16-0527	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	38,035.18	12,532.88
27 14 13 16-0528		Sound System Cables *(27 14 13 16)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 14 13 16-0529		Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0528)*		
27 14 13 16-0530		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0529)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0531	MLF	2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,362.16	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0532	MLF	2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,297.71	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0533	MLF	2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,248.00	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0534	MLF	4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,302.36	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0535	MLF	4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,477.10	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0536	MLF	6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,651.26	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0537	MLF	4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,477.84	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0538	MLF	4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,393.93	585.53
		For Work In Restricted Working Space, Add	*351.32*	

27 14 13 16-0539 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0529)*

27 14 13 16-0540	MLF	2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,388.79	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0541	MLF	2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,314.65	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0542	MLF	2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,272.68	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0543	MLF	4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,342.71	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0544	MLF	8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,490.66	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0545	MLF	2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,474.33	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0546	MLF	2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,371.78	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0547	MLF	4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,546.11	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0548	MLF	6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,719.96	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0549	MLF	2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,293.72	585.53
		For Work In Restricted Working Space, Add	*351.32*	
27 14 13 16-0550	MLF	2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,328.36	585.53
		For Work In Restricted Working Space, Add	*351.32*	

27 14 13 16-0551 Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0528)*

27 14 13 16-0552 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0551)*

27 14 13 16-0553	MLF	2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	776.62	292.76
27 14 13 16-0554	MLF	2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	712.17	292.76
27 14 13 16-0555	MLF	2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	662.46	292.76
27 14 13 16-0556	MLF	4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	716.82	292.76
27 14 13 16-0557	MLF	4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	891.56	292.76
27 14 13 16-0558	MLF	6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,065.72	292.76
27 14 13 16-0559	MLF	4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	892.30	292.76
27 14 13 16-0560	MLF	4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	808.39	292.76

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0561		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0551)*			
27 14 13 16-0562	MLF	2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		803.25	292.76
27 14 13 16-0563	MLF	2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		729.11	292.76
27 14 13 16-0564	MLF	2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		687.14	292.76
27 14 13 16-0565	MLF	4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		757.17	292.76
27 14 13 16-0566	MLF	8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		905.12	292.76
27 14 13 16-0567	MLF	2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		888.79	292.76
27 14 13 16-0568	MLF	2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		786.24	292.76
27 14 13 16-0569	MLF	4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		960.57	292.76
27 14 13 16-0570	MLF	6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit		1,134.42	292.76
27 14 13 16-0571	MLF	2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit		742.82	292.76
27 14 13 16-0572	MLF	2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit		708.18	292.76

27 14 23 Communications Optical Fiber Cabling *(27 14)*

27 14 23 13 Communications Optical Fiber Splicing And Terminations *(27 14 23)*

27 14 23 13-0001		Fiber Optic Cable Connectors *(27 14 23 13)*			
27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable		24.70	
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable		27.88	
27 14 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable		27.06	
27 14 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable		31.12	
27 14 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable		36.52	
27 14 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable		37.47	
27 14 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable		52.13	
27 14 23 13-0009		Fiber Optic Cable Fan Out Kits *(27 14 23 13)*			
27 14 23 13-0010		Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 14 23 13-0009)*			
27 14 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable		210.83	
27 14 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable		214.66	
27 14 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable		257.81	
27 14 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable		295.27	
27 14 23 13-0015		Spider Fan Out Kits For Fiber Optic Cable *(27 14 23 13-0009)* Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.			
27 14 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable		259.02	
27 14 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable		287.17	
27 14 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable		396.99	
27 14 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable		516.63	
27 14 23 13-0020		Fiber Optic Cable Splice Closures *(27 14 23 13)* Note: Includes mounting hardware. Excludes splicing and splice trays.			
27 14 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure		587.74	91.50
27 14 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure		770.73	182.99
27 14 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure		770.73	182.99
27 14 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure		953.96	91.50
27 14 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure		1,136.95	182.99
27 14 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure		1,136.95	182.99
27 14 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		43.28	11.43
27 14 23 13-0028		Fiber Optic Cable Splicing *(27 14 23 13)*			
27 14 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable		27.45	
27 14 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable		91.50	
27 14 23 13-0031		Fiber Optic Cable Testing *(27 14 23 13)* Note: Price based on testing one wavelength.			
27 14 23 13-0032		Fiber Optic Cable Testing Using An OTDR *(27 14 23 13-0031)* Note: Testing using an optical time domain reflectometer.			

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	18.30	
		For >12 To 48 Strands, Deduct	*-1.37*	
		For >48 Strands, Deduct	*-1.83*	
27 14 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	27.45	
		For >12 To 48 Strands, Deduct	*-2.06*	
		For >48 Strands, Deduct	*-2.75*	
27 14 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	45.75	
		For >12 To 48 Strands, Deduct	*-3.43*	
		For >48 Strands, Deduct	*-4.58*	
27 14 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	68.62	
		For >12 To 48 Strands, Deduct	*-5.15*	
		For >48 Strands, Deduct	*-6.86*	
27 14 23 13-0037		Fiber Optic Cable Testing Using A Power Meter *(27 14 23 13-0031)*		
27 14 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	18.30	
		For >12 To 48 Strands, Deduct	*-1.37*	
		For >48 Strands, Deduct	*-1.83*	
27 14 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	27.45	
		For >12 To 48 Strands, Deduct	*-2.06*	
		For >48 Strands, Deduct	*-2.75*	
27 14 23 13-0040		Fiber Optic Cable Light Source/Continuity Testing *(27 14 23 13-0031)*		
27 14 23 13-0041	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	18.30	
		For >12 To 48 Strands, Deduct	*-1.37*	
		For >48 Strands, Deduct	*-1.83*	
27 14 23 13-0042		Other Fiber Optic Cable Equipment *(27 14 23 13)*		
27 14 23 13-0043	EA	8 Port Ethernet Switch	660.88	180.01
27 14 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth Note: Patch antenna with 1 meter 3' SMA-N cable	892.58	180.01
27 14 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge Note: 8VDC input	19,717.65	180.01
27 14 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	207.30	22.54
27 14 23 13-0047	EA	Hardened Ethernet Switch	2,116.24	90.11
27 14 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	54,714.60	2,162.70
27 14 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	68,053.73	2,883.61
27 14 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	961.32	180.23
27 14 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,045.49	90.11
27 14 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	883.25	90.11
27 14 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	1,135.60	135.16
27 14 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems)	839.30	
27 14 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.	839.30	
27 14 23 13-0056		Other Fiber Optic Cable Splicing *(27 14 23 13)*		
27 14 23 13-0057	EA	Fiber Optic Finger Splice	30.85	17.20
27 14 23 13-0058	EA	Fiber Optic Splice Box - Manholes	4,516.15	
27 14 23 16		**Communications Optical Fiber Cabling** ***(27 14 23)***		
27 14 23 16-0001		Indoor Fiber Optic Cable *(27 14 23 16)* Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002		Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0001)* Note: Excludes conduit or innerduct.		
27 14 23 16-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0002)*		
27 14 23 16-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*		
27 14 23 16-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	844.77	329.39
27 14 23 16-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	933.91	329.39
27 14 23 16-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	963.67	329.39
27 14 23 16-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,069.67	329.39
		For Aluminum Armored Cable, Add	*1,301.66*	
		For Steel Armored Cable, Add	*1,382.65*	
27 14 23 16-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,100.06	329.39
27 14 23 16-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,283.76	329.39
		For Aluminum Armored Cable, Add	*1,346.09*	
		For Steel Armored Cable, Add	*1,436.13*	
27 14 23 16-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,264.41	384.29

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,245.70	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,684.08*	
		For Steel Armored Cable, Add	*1,649.34*	
27 14 23 16-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,991.49	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,775.34*	
		For Steel Armored Cable, Add	*1,579.70*	
27 14 23 16-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,136.14	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,862.68*	
		For Steel Armored Cable, Add	*1,655.50*	
27 14 23 16-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,048.29	384.29
27 14 23 16-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,290.86	384.29
27 14 23 16-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,566.78	384.29
27 14 23 16-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,851.62	439.18
27 14 23 16-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,591.55	439.18
27 14 23 16-0021		**50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0004)*		
27 14 23 16-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	870.44	329.39
27 14 23 16-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	977.47	329.39
27 14 23 16-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,121.88	329.39
27 14 23 16-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,356.26	329.39
		For Aluminum Armored Cable, Add	*1,280.93*	
		For Steel Armored Cable, Add	*1,358.22*	
27 14 23 16-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,472.24	329.39
27 14 23 16-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,918.34	329.39
		For Aluminum Armored Cable, Add	*1,314.29*	
		For Steel Armored Cable, Add	*1,400.26*	
27 14 23 16-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,772.34	384.29
27 14 23 16-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,287.46	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,842.10*	
		For Steel Armored Cable, Add	*1,808.96*	
27 14 23 16-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,491.90	384.29
27 14 23 16-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,563.02	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,981.73*	
27 14 23 16-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,600.18	384.29
27 14 23 16-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,702.52	384.29
27 14 23 16-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,170.56	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,463.62*	
27 14 23 16-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,391.29	439.18
27 14 23 16-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,263.09	439.18
27 14 23 16-0037		**62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0004)*		
27 14 23 16-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	886.51	329.39
27 14 23 16-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	998.89	329.39
27 14 23 16-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,150.52	329.39
27 14 23 16-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,396.62	329.39
27 14 23 16-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,518.41	329.39
27 14 23 16-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,986.80	329.39
27 14 23 16-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,928.94	384.29
27 14 23 16-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,469.80	384.29
27 14 23 16-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,734.47	384.29
27 14 23 16-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,859.15	384.29
27 14 23 16-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,948.16	384.29

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,105.62	384.29
27 14 23 16-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,697.07	384.29
27 14 23 16-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,174.26	439.18
27 14 23 16-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,289.64	439.18
27 14 23 16-0053		Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*		
27 14 23 16-0054		Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,670.96	329.39
27 14 23 16-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,003.42	329.39
27 14 23 16-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,734.80	329.39
27 14 23 16-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,083.84	329.39
27 14 23 16-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,461.75	329.39
27 14 23 16-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,751.80	384.29
27 14 23 16-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,283.82	384.29
27 14 23 16-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,322.88	384.29
27 14 23 16-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,691.56	384.29
27 14 23 16-0064		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,993.30	329.39
27 14 23 16-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,153.60	329.39
27 14 23 16-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,809.68	329.39
27 14 23 16-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,448.86	329.39
27 14 23 16-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,229.01	329.39
27 14 23 16-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,512.27	384.29
27 14 23 16-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,113.44	384.29
27 14 23 16-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,732.04	384.29
27 14 23 16-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,979.90	384.29
27 14 23 16-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,065.52	329.39
27 14 23 16-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,233.83	329.39
27 14 23 16-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,922.71	329.39
27 14 23 16-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,593.85	329.39
27 14 23 16-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,413.02	329.39
27 14 23 16-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,755.86	384.29
27 14 23 16-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,437.09	384.29
27 14 23 16-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,236.62	384.29
27 14 23 16-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,646.88	384.29
27 14 23 16-0084		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0002)*		
27 14 23 16-0085		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0084)*		
27 14 23 16-0086		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*		
27 14 23 16-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	780.97	329.39
27 14 23 16-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	784.47	329.39
27 14 23 16-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	968.26	329.39
27 14 23 16-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	989.76	329.39
		For Aluminum Armored Cable, Add	*995.89*	
		For Steel Armored Cable, Add	*1,666.42*	
27 14 23 16-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,098.02	329.39

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,118.27	329.39
		For Aluminum Armored Cable, Add	*1,067.47*	
		For Steel Armored Cable, Add	*1,737.94*	
27 14 23 16-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,496.40	384.29
27 14 23 16-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,192.37	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*694.32*	
		For Steel Armored Cable, Add	*793.34*	
27 14 23 16-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,034.52	384.29
27 14 23 16-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,164.28	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*133.15*	
		For Steel Armored Cable, Add	*289.15*	
27 14 23 16-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,220.30	384.29
27 14 23 16-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,347.80	384.29
27 14 23 16-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,690.96	384.29

27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*

27 14 23 16-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	868.71	329.39
27 14 23 16-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	857.97	329.39
27 14 23 16-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,125.63	329.39
27 14 23 16-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,229.12	329.39
		For Aluminum Armored Cable, Add	*1,121.83*	
		For Steel Armored Cable, Add	*1,792.34*	
27 14 23 16-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,470.56	329.39
27 14 23 16-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,784.42	329.39
		For Aluminum Armored Cable, Add	*1,131.91*	
		For Steel Armored Cable, Add	*1,802.37*	
27 14 23 16-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,468.32	384.29
27 14 23 16-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,816.30	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*317.58*	
		For Steel Armored Cable, Add	*630.56*	
27 14 23 16-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,206.09	384.29
27 14 23 16-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,064.16	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*155.60*	
27 14 23 16-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,168.29	384.29
27 14 23 16-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,884.00	384.29
27 14 23 16-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,393.00	384.29
		For Aluminum Armored Cable With Sub-Units, Add	*1,312.84*	

27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*

27 14 23 16-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	884.70	329.39
27 14 23 16-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	873.42	329.39
27 14 23 16-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,154.46	329.39
27 14 23 16-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,263.12	329.39
27 14 23 16-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,516.64	329.39
27 14 23 16-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,846.19	329.39
27 14 23 16-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,659.71	384.29
27 14 23 16-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,025.09	384.29
27 14 23 16-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,534.37	384.29
27 14 23 16-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,435.34	384.29
27 14 23 16-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,594.68	384.29
27 14 23 16-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,396.17	384.29
27 14 23 16-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,080.62	384.29

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0084)*		
27 14 23 16-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,687.68	329.39
27 14 23 16-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,092.17	329.39
27 14 23 16-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,064.57	329.39
27 14 23 16-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,017.55	329.39
27 14 23 16-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,538.49	329.39
27 14 23 16-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,350.49	384.29
27 14 23 16-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,538.75	384.29
27 14 23 16-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,403.85	384.29
27 14 23 16-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,498.45	384.29
27 14 23 16-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,297.37	329.39
27 14 23 16-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,158.87	329.39
27 14 23 16-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,666.91	329.39
27 14 23 16-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,376.82	329.39
27 14 23 16-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,731.90	329.39
27 14 23 16-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,600.18	384.29
27 14 23 16-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,135.27	384.29
27 14 23 16-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,364.68	384.29
27 14 23 16-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,039.73	384.29
27 14 23 16-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,384.79	329.39
27 14 23 16-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,289.36	329.39
27 14 23 16-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,822.81	329.39
27 14 23 16-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,568.21	329.39
27 14 23 16-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,991.05	329.39
27 14 23 16-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,948.16	384.29
27 14 23 16-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,560.01	384.29
27 14 23 16-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,000.89	384.29
27 14 23 16-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,909.69	384.29
27 14 23 16-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*		
27 14 23 16-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*		
27 14 23 16-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*		
27 14 23 16-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,027.76	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,116.90	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,146.66	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,252.66	439.18
		For Aluminum Armored Cable, Add	*1,301.66*	
		For Steel Armored Cable, Add	*1,382.65*	
		For Work In Restricted Working Space, Add	*219.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,283.05	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,466.75	439.18
		For Aluminum Armored Cable, Add	*1,346.09*	
		For Steel Armored Cable, Add	*1,436.13*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,447.40	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,428.69	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,684.08*	
		For Steel Armored Cable, Add	*1,649.34*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,174.48	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,775.34*	
		For Steel Armored Cable, Add	*1,579.70*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,319.13	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,862.68*	
		For Steel Armored Cable, Add	*1,655.50*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,231.28	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,473.85	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,749.77	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,034.61	548.98
		For Work In Restricted Working Space, Add	*274.49*	
27 14 23 16-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,774.54	548.98
		For Work In Restricted Working Space, Add	*274.49*	
27 14 23 16-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*		
27 14 23 16-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,053.43	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,160.46	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,304.87	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,539.25	439.18
		For Aluminum Armored Cable, Add	*1,280.93*	
		For Steel Armored Cable, Add	*1,358.22*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,655.23	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,101.33	439.18
		For Aluminum Armored Cable, Add	*1,314.29*	
		For Steel Armored Cable, Add	*1,400.26*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,955.33	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,470.45	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,842.10*	
		For Steel Armored Cable, Add	*1,808.96*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,674.89	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,746.01	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,981.73*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,783.17	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,885.51	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,353.55	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*1,463.62*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,574.28	548.98
		For Work In Restricted Working Space, Add	*274.49*	
27 14 23 16-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,446.08	548.98
		For Work In Restricted Working Space, Add	*274.49*	
27 14 23 16-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*		
27 14 23 16-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,069.50	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,181.88	439.18
		For Work In Restricted Working Space, Add	*219.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,333.51	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,579.61	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,701.40	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,169.79	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,111.93	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,652.79	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,917.46	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,042.14	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,131.15	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,288.61	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,880.06	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,357.25	548.98
		For Work In Restricted Working Space, Add	*274.49*	
27 14 23 16-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,472.63	548.98
		For Work In Restricted Working Space, Add	*274.49*	

27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*

27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,853.95	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,186.41	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,917.79	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,266.83	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,644.74	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,934.79	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,466.81	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,505.87	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,874.55	494.08
		For Work In Restricted Working Space, Add	*247.04*	

27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,176.29	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,336.59	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,992.67	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,631.85	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,412.00	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,695.26	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,296.43	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,915.03	494.08
		For Work In Restricted Working Space, Add	*247.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,162.89	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0231		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*		
27 14 23 16-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,248.51	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,416.82	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,105.70	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,776.84	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,596.01	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,938.85	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,620.08	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,419.61	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,829.87	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0241		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*		
27 14 23 16-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0241)*		
27 14 23 16-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*		
27 14 23 16-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	963.96	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	967.46	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,151.25	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,172.75	439.18
		For Aluminum Armored Cable, Add	*995.89*	
		For Steel Armored Cable, Add	*1,666.42*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,281.01	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,301.26	439.18
		For Aluminum Armored Cable, Add	*1,067.47*	
		For Steel Armored Cable, Add	*1,737.94*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,679.39	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,375.36	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*694.32*	
		For Steel Armored Cable, Add	*793.34*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,217.51	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,347.27	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*133.15*	
		For Steel Armored Cable, Add	*289.15*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,403.29	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,530.79	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,873.95	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*		
27 14 23 16-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,051.70	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,040.96	439.18
		For Work In Restricted Working Space, Add	*219.59*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,308.62	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,412.11	439.18
		For Aluminum Armored Cable, Add	*1,121.83*	
		For Steel Armored Cable, Add	*1,792.34*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,653.55	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,967.41	439.18
		For Aluminum Armored Cable, Add	*1,131.91*	
		For Steel Armored Cable, Add	*1,802.37*	
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,651.31	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,999.29	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*317.58*	
		For Steel Armored Cable, Add	*630.56*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,389.08	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,247.15	494.08
		For Aluminum Armored Cable With Sub-Units, Add	*155.60*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,351.28	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,066.99	494.08
		For Work In Restricted Working Space, Add	*247.04*	
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,575.99	494.08
		For Work In Restricted Working Space, Add	*247.04*	
		For Aluminum Armored Cable With Sub-Units, Add	*1,312.84*	
		For Work In Restricted Working Space, Add	*247.04*	

27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*

27 14 23 16-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,067.69	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,056.41	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,337.45	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,446.11	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,699.63	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,029.18	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,842.70	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,208.08	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,717.36	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,618.33	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,777.67	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,579.16	494.08
		For Work In Restricted Working Space, Add	*247.04*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,263.61	494.08
		For Work In Restricted Working Space, Add	*247.04*	

27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0241)*

27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,870.67	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,275.16	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,247.56	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,200.54	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,721.48	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,533.48	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,721.74	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,586.84	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,681.44	494.08
		For Work In Restricted Working Space, Add	*247.04*	

27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,480.36	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,341.86	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,849.90	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,559.81	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,914.89	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,783.17	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,318.26	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,547.67	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,222.72	494.08
		For Work In Restricted Working Space, Add	*247.04*	

27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,567.78	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,472.35	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,005.80	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,751.20	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,174.04	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,131.15	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,743.00	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,183.88	494.08
		For Work In Restricted Working Space, Add	*247.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,092.68	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0316		**Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0001)* Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0316)*		
27 14 23 16-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,273.44	329.39
27 14 23 16-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,946.50	329.39
27 14 23 16-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,352.85	384.29
27 14 23 16-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	4,142.80	384.29
27 14 23 16-0322		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0316)*		
27 14 23 16-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,512.14	329.39
27 14 23 16-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,291.38	329.39
27 14 23 16-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,820.31	384.29
27 14 23 16-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,147.64	384.29
27 14 23 16-0327		**Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0001)* Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,456.43	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,129.49	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,535.84	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	4,325.79	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0333		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,695.13	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,474.37	439.18
		For Work In Restricted Working Space, Add	*219.59*	
27 14 23 16-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	4,003.30	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	11,330.63	494.08
		For Work In Restricted Working Space, Add	*247.04*	
27 14 23 16-0338		**Outdoor Fiber Optic Cable** *(27 14 23 16)*		
27 14 23 16-0339		**Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0338)* Note: Excludes conduit or innerduct.		
27 14 23 16-0340		**Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0339)*		
27 14 23 16-0341		**Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0340)*		
27 14 23 16-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,343.09	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.65*	
27 14 23 16-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,357.01	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.85*	
27 14 23 16-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,371.13	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.84*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,385.05	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.04*	
27 14 23 16-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,413.07	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.23*	
27 14 23 16-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,479.58	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*127.59*	
27 14 23 16-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,521.34	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.17*	
27 14 23 16-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,620.70	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.71*	
27 14 23 16-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,725.30	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*137.07*	
27 14 23 16-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,828.33	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.43*	
27 14 23 16-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,964.25	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.45*	
27 14 23 16-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,232.58	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.63*	
27 14 23 16-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,502.27	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*211.51*	
27 14 23 16-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,781.63	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.12*	

27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*

27 14 23 16-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,475.65	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.49*	
27 14 23 16-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,619.94	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.52*	
27 14 23 16-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,767.63	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.91*	
27 14 23 16-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,913.79	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*136.49*	
27 14 23 16-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,206.10	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.81*	
27 14 23 16-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,668.14	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*140.75*	
27 14 23 16-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,106.60	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.29*	
27 14 23 16-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,998.22	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.19*	
27 14 23 16-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,895.24	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*180.57*	
27 14 23 16-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,790.92	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.93*	
27 14 23 16-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,732.42	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*231.79*	
27 14 23 16-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,631.06	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*266.21*	
27 14 23 16-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,551.55	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*321.49*	
27 14 23 16-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,510.13	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*324.21*	

27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*

27 14 23 16-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,404.82	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*110.89*	
27 14 23 16-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,511.44	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.92*	
27 14 23 16-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,617.88	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.75*	
27 14 23 16-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,749.39	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.30*	
27 14 23 16-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,937.72	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.47*	
27 14 23 16-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,270.68	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*160.37*	
27 14 23 16-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,586.08	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.42*	
27 14 23 16-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,189.73	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*204.93*	
27 14 23 16-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,895.77	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*235.63*	
27 14 23 16-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,547.89	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.55*	
27 14 23 16-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,236.19	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*286.98*	
27 14 23 16-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,628.27	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*322.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,042.70	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.20*	
27 14 23 16-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,478.96	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.37*	

27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit
(27 14 23 16-0339)

27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*

27 14 23 16-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,436.27	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.33*	
27 14 23 16-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,450.39	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.33*	
27 14 23 16-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,464.11	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.11*	
27 14 23 16-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,478.23	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.10*	
27 14 23 16-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,505.87	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.27*	
27 14 23 16-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,566.96	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.81*	
27 14 23 16-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,608.72	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.77*	
27 14 23 16-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,712.92	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.01*	
27 14 23 16-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,817.51	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.99*	
27 14 23 16-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,920.55	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.31*	
27 14 23 16-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,064.58	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*187.53*	
27 14 23 16-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,340.85	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.62*	
27 14 23 16-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,653.26	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*222.33*	
27 14 23 16-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,908.25	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.72*	

27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*

27 14 23 16-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,567.74	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.00*	
27 14 23 16-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,712.54	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*172.64*	
27 14 23 16-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,720.71	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.29*	
27 14 23 16-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,002.91	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*180.95*	
27 14 23 16-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,293.09	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.65*	
27 14 23 16-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,747.59	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*203.18*	
27 14 23 16-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,182.97	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.94*	
27 14 23 16-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,074.58	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*262.54*	
27 14 23 16-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,966.00	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.53*	
27 14 23 16-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,860.32	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.38*	
27 14 23 16-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,796.40	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*320.54*	
27 14 23 16-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,691.38	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*316.28*	
27 14 23 16-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,709.31	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 14 23 16-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,575.47	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*369.64*	

27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*

27 14 23 16-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,476.81	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*139.19*	
27 14 23 16-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,581.21	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.47*	
27 14 23 16-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,685.43	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*161.73*	
27 14 23 16-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,789.83	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*172.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,060.25	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*186.06*	
27 14 23 16-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,325.43	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.03*	
27 14 23 16-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,650.37	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.82*	
27 14 23 16-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,279.30	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.60*	
27 14 23 16-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,920.00	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*335.24*	
27 14 23 16-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,562.90	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*373.31*	
27 14 23 16-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,238.91	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*416.29*	
27 14 23 16-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,610.69	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*490.86*	
27 14 23 16-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,189.87	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.43*	
27 14 23 16-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,418.92	658.78
		For Corrugated Coated Steel Tape Armored Cable, Add	*523.83*	

27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0338)*

Note: Excludes trenching.

27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*

27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,251.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.65*	
27 14 23 16-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,265.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.85*	
27 14 23 16-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,279.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.84*	
27 14 23 16-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,293.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.04*	
27 14 23 16-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,321.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.23*	
27 14 23 16-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,388.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*127.59*	
27 14 23 16-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,429.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.17*	
27 14 23 16-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,529.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.71*	
27 14 23 16-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,633.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*137.07*	
27 14 23 16-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,736.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.43*	
27 14 23 16-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,872.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.45*	
27 14 23 16-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,141.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.63*	
27 14 23 16-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,410.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*211.51*	
27 14 23 16-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,690.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.12*	

27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,384.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.49*	
27 14 23 16-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,528.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.52*	
27 14 23 16-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,676.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.91*	
27 14 23 16-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,822.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*136.49*	
27 14 23 16-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,114.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.81*	
27 14 23 16-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,576.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*140.75*	
27 14 23 16-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,015.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.29*	
27 14 23 16-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,906.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.19*	
27 14 23 16-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,803.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*180.57*	
27 14 23 16-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,699.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.93*	
27 14 23 16-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,640.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*231.79*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,539.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*266.21*	
27 14 23 16-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,460.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*321.49*	
27 14 23 16-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,418.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*324.21*	
27 14 23 16-0464		62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*		
27 14 23 16-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,313.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*110.89*	
27 14 23 16-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,419.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.92*	
27 14 23 16-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,526.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.75*	
27 14 23 16-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,657.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.30*	
27 14 23 16-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,846.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.47*	
27 14 23 16-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,179.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*160.37*	
27 14 23 16-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,494.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.42*	
27 14 23 16-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,098.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*204.93*	
27 14 23 16-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,804.27	
		For Corrugated Coated Steel Tape Armored Cable, Add	*235.63*	
27 14 23 16-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,456.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.55*	
27 14 23 16-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,144.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*286.98*	
27 14 23 16-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,536.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*322.67*	
27 14 23 16-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,951.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.20*	
27 14 23 16-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,387.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.37*	
27 14 23 16-0479		Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*		
27 14 23 16-0480		Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*		
27 14 23 16-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,344.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.33*	
27 14 23 16-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,358.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.33*	
27 14 23 16-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,372.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.11*	
27 14 23 16-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,386.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.10*	
27 14 23 16-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,414.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.27*	
27 14 23 16-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,475.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.81*	
27 14 23 16-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,517.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.77*	
27 14 23 16-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,621.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.01*	
27 14 23 16-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,726.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.99*	
27 14 23 16-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,829.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.31*	
27 14 23 16-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,973.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*187.53*	
27 14 23 16-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,249.35	
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.62*	
27 14 23 16-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,561.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*222.33*	
27 14 23 16-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,816.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.72*	
27 14 23 16-0495		50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*		
27 14 23 16-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,476.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.00*	
27 14 23 16-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,621.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*172.64*	
27 14 23 16-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,629.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.29*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,911.41	
		For Corrugated Coated Steel Tape Armored Cable, Add		*180.95*	
27 14 23 16-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		2,201.59	
		For Corrugated Coated Steel Tape Armored Cable, Add		*189.65*	
27 14 23 16-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		2,656.09	
		For Corrugated Coated Steel Tape Armored Cable, Add		*203.18*	
27 14 23 16-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		3,091.47	
		For Corrugated Coated Steel Tape Armored Cable, Add		*215.94*	
27 14 23 16-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		3,983.08	
		For Corrugated Coated Steel Tape Armored Cable, Add		*262.54*	
27 14 23 16-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		4,874.50	
		For Corrugated Coated Steel Tape Armored Cable, Add		*268.53*	
27 14 23 16-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		5,768.82	
		For Corrugated Coated Steel Tape Armored Cable, Add		*290.38*	
27 14 23 16-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		6,704.90	
		For Corrugated Coated Steel Tape Armored Cable, Add		*320.54*	
27 14 23 16-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		8,599.88	
		For Corrugated Coated Steel Tape Armored Cable, Add		*316.28*	
27 14 23 16-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		10,617.81	
		For Corrugated Coated Steel Tape Armored Cable, Add		*325.74*	
27 14 23 16-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		12,483.97	
		For Corrugated Coated Steel Tape Armored Cable, Add		*369.64*	

27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,385.31	
		For Corrugated Coated Steel Tape Armored Cable, Add		*139.19*	
27 14 23 16-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,489.71	
		For Corrugated Coated Steel Tape Armored Cable, Add		*150.47*	
27 14 23 16-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,593.93	
		For Corrugated Coated Steel Tape Armored Cable, Add		*161.73*	
27 14 23 16-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,698.33	
		For Corrugated Coated Steel Tape Armored Cable, Add		*172.98*	
27 14 23 16-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		1,968.75	
		For Corrugated Coated Steel Tape Armored Cable, Add		*186.06*	
27 14 23 16-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		2,233.93	
		For Corrugated Coated Steel Tape Armored Cable, Add		*218.03*	
27 14 23 16-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		2,558.87	
		For Corrugated Coated Steel Tape Armored Cable, Add		*236.82*	
27 14 23 16-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		3,187.80	
		For Corrugated Coated Steel Tape Armored Cable, Add		*292.60*	
27 14 23 16-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		3,828.50	
		For Corrugated Coated Steel Tape Armored Cable, Add		*335.24*	
27 14 23 16-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		4,471.40	
		For Corrugated Coated Steel Tape Armored Cable, Add		*373.31*	
27 14 23 16-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		5,147.41	
		For Corrugated Coated Steel Tape Armored Cable, Add		*416.29*	
27 14 23 16-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		6,519.19	
		For Corrugated Coated Steel Tape Armored Cable, Add		*490.86*	
27 14 23 16-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		7,980.70	
		For Corrugated Coated Steel Tape Armored Cable, Add		*507.43*	
27 14 23 16-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		9,327.42	
		For Corrugated Coated Steel Tape Armored Cable, Add		*523.83*	

27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0338)*

27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0525)*

27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0526)*

27 14 23 16-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,807.74	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*128.36*	
27 14 23 16-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,823.78	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*128.95*	
27 14 23 16-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,840.02	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*129.33*	
27 14 23 16-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,856.46	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*129.72*	
27 14 23 16-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,888.74	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*130.69*	
27 14 23 16-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		6,958.53	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*132.81*	
27 14 23 16-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		7,007.05	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*134.55*	
27 14 23 16-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		7,127.11	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*138.03*	
27 14 23 16-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		7,220.10	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*157.17*	
27 14 23 16-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles		7,357.94	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add		*160.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,486.11	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add	*181.33*	
27 14 23 16-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,783.26	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add	*201.25*	
27 14 23 16-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,082.33	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add	*234.11*	
27 14 23 16-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,398.61	2,436.35
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.01*	
27 14 23 16-0542		Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0338)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0542)*		
27 14 23 16-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,338.68	548.98
27 14 23 16-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,277.79	548.98
27 14 23 16-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,369.79	548.98
27 14 23 16-0547		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0542)*		
27 14 23 16-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,536.47	548.98
27 14 23 16-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,070.15	548.98
27 14 23 16-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,404.62	548.98
27 14 23 16-0551		Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0338)*		
		Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0551)*		
27 14 23 16-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,247.18	503.23
27 14 23 16-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,186.29	503.23
27 14 23 16-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,278.29	503.23
27 14 23 16-0556		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0551)*		
27 14 23 16-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,444.97	503.23
27 14 23 16-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,978.65	503.23
27 14 23 16-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,313.12	503.23
27 14 23 16-0560		Network Communications Cabling And Related Products *(27 14 23 16)*		
27 14 23 16-0561	EA	AC Surge Suppression Assembly	282.98	11.43
		Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter	474.83	13.73
		Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends	25.47	1.47
		Note: Includes testing.		
27 14 23 16-0564	EA	KVM (Keyboard, Video, Mouse) Cable	57.67	1.84
		Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565	EA	6' Long USB (Universal Serial Bus) Cable	9.09	1.47
		Note: Includes testing.		
27 14 23 16-0566	EA	10' Long USB (Universal Serial Bus) Cable	10.75	1.84
		Note: Includes testing.		
27 14 23 16-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	11.59	1.47
		Note: Includes testing.		
27 14 23 16-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	13.25	1.84
		Note: Includes testing.		
27 14 23 16-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends	18.91	1.47
		Note: Includes testing.		
27 14 23 16-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	40.75	1.84
		Note: Includes testing.		
27 14 23 16-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	32.20	1.47
		Note: Includes testing.		
27 14 23 16-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	40.75	1.84
		Note: Includes testing.		
27 14 23 16-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other	59.81	1.47
		Note: Includes testing.		
27 14 23 16-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other	59.81	1.47
		Note: Includes testing.		
27 14 23 16-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	0.70	
		Note: Corning part no. 006ESF-T41O1D20. Includes testing.		
27 14 23 16-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	5.44	
		Note: Corning part no. 012ESF-T41O1D20. Includes testing.		

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	6.64	
27 14 23 16-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	10.81	
27 14 23 16-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	16.96	
27 14 23 16-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	10.35	
27 14 23 16-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	15.88	
27 14 23 16-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	78.25	9.15
27 14 23 16-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	94.68	9.15
27 14 23 16-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.93	0.17
27 14 23 16-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	3.51	1.72
27 14 23 16-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.44	
27 14 23 16-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.86	1.72

27 14 33 Communications Coaxial Cabling *(27 14)*

27 14 33 16 Communications Coaxial Cabling *(27 14 33)*

27 14 33 16-0001 Indoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0002 Coaxial Distribution Cable *(27 14 33 16-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal

27 14 33 16-0003	MLF	RG-6/U Coaxial Distribution Cable, In Conduit	1,558.50	267.67
27 14 33 16-0004	MLF	RG-6A/U Coaxial Distribution Cable, In Conduit	5,256.61	267.67
27 14 33 16-0005	MLF	RG-8/U Coaxial Distribution Cable, In Conduit	2,869.45	282.73
27 14 33 16-0006	MLF	RG-8A/U Coaxial Distribution Cable, In Conduit	3,564.11	282.73
27 14 33 16-0007	MLF	RG-11/U Coaxial Distribution Cable, In Conduit	3,228.53	334.59
27 14 33 16-0008	MLF	RG-11A/U Coaxial Distribution Cable, In Conduit	4,571.95	334.59
27 14 33 16-0009	MLF	RG-11/U Coaxial Distribution Cable, In Plenum	10,211.38	669.18
27 14 33 16-0010	MLF	RG-58/U Coaxial Distribution Cable, In Conduit	1,175.33	234.22
27 14 33 16-0011	MLF	RG-58A/U Coaxial Distribution Cable, In Conduit	1,312.98	234.22
27 14 33 16-0012	MLF	RG-58C/U Coaxial Distribution Cable, In Conduit	1,555.47	234.22
27 14 33 16-0013	MLF	RG-58/U Coaxial Distribution Cable, In Plenum	3,724.87	468.42
27 14 33 16-0014	MLF	RG-59/U Coaxial Distribution Cable, In Conduit	1,818.43	234.22
27 14 33 16-0015	MLF	RG-59/U Coaxial Distribution Cable, In Plenum	4,446.35	468.42
27 14 33 16-0016	MLF	1/2" Hard Line Coaxial, In Conduit	1,954.96	468.42

27 14 33 16-0017 Coaxial, Indoor Telecommunications Cable *(27 14 33 16-0001)*

27 14 33 16-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 14 33 16-0017)*

27 14 33 16-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,025.91	384.29
27 14 33 16-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	2,125.26	384.29
27 14 33 16-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	917.57	439.18
27 14 33 16-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	2,649.82	439.18

27 14 33 16-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 14 33 16-0017)*

27 14 33 16-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,666.39	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 33 16-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,765.74	768.57
		For Work In Restricted Working Space, Add	*384.29*	
27 14 33 16-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,649.55	878.37
		For Work In Restricted Working Space, Add	*439.19*	
27 14 33 16-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,381.80	878.37
		For Work In Restricted Working Space, Add	*439.19*	

27 14 33 16-0028 Outdoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 14 33 16-0028)*

Note: Corrugated steel armor jacket.

27 14 33 16-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	4,661.52	1,252.37
27 14 33 16-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	2,987.40	880.89
27 14 33 16-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	2,405.06	519.70
27 14 33 16-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,440.82	519.70
27 14 33 16-0034	MLF	TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit	2,171.70	812.05

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43		**Communications Faceplates And Connectors** *(27 14)*		
27 14 43 00-0001		Plastic Communications Faceplates *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.72	2.29
27 14 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.72	2.29
27 14 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.72	2.29
27 14 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.72	2.29
27 14 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.72	2.29
27 14 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	10.60	2.29
27 14 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	10.60	2.29
27 14 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	10.60	2.29
27 14 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	10.60	2.29
27 14 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	10.60	2.29
27 14 43 00-0012		Stainless Steel Communications Faceplates *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0013		Stainless Steel Communications Faceplates *(27 14 43 00-0012)*		
27 14 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	11.88	2.29
27 14 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	11.88	2.29
27 14 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	11.88	2.29
27 14 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	12.63	2.29
27 14 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	12.63	2.29
27 14 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	16.70	2.29
27 14 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	17.18	2.29
27 14 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	19.73	2.29
27 14 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	19.73	2.29
27 14 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	19.73	2.29
27 14 43 00-0024		Stainless Steel Communications Faceplates With Station ID *(27 14 43 00-0012)*		
27 14 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.61	2.29
27 14 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.61	2.29
27 14 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.61	2.29
27 14 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.61	2.29
27 14 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.61	2.29
27 14 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.68	2.29
27 14 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.68	2.29
27 14 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.68	2.29
27 14 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	34.68	2.29
27 14 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.68	2.29
27 14 43 00-0035		Snap-In Modular Jacks *(27 14 43)*		
		Note: Includes termination.		
27 14 43 00-0036	EA	Cat 3, Snap-In Modular Jack	23.71	9.16
27 14 43 00-0037	EA	Cat 5E, Snap-In Modular Jack	24.76	9.16
27 14 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack	27.88	9.16
27 14 43 00-0039	EA	Cat 6, Snap-In Modular Jack	27.88	9.16
27 14 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	31.38	9.16
27 14 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	31.91	9.16
27 14 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	16.05	4.59
27 14 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	26.08	9.16
27 14 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	28.73	9.16
27 14 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	33.93	9.16
27 14 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	5.08	2.29
27 14 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	5.80	2.29
27 14 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	19.52	6.87
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*1.01*	
27 14 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	19.71	6.87
		Note: Includes female to female connection.		
27 14 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	41.10	9.16
27 14 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	48.76	9.16
27 14 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	24.47	9.16
27 14 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	23.81	4.59
27 14 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	27.59	9.16
27 14 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	30.43	9.16
27 14 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack	42.15	13.75
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	43.49	9.16
27 14 43 00-0058		Surface Mount Plastic Communication Boxes *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	25.61	11.45
27 14 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	26.08	11.45
27 14 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	29.35	11.45
27 14 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	33.23	11.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	37.29	11.45
27 14 43 00-0064		**Wall Mounted Telephone Faceplates** *(27 14 43)* Note: Includes standard telephone mounting studs.		
27 14 43 00-0065		**Plastic Faceplates For Wall Mounted Telephones** *(27 14 43 00-0064)*		
27 14 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	30.05	11.43
27 14 43 00-0067		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 14 43 00-0064)*		
27 14 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	22.40	4.58
27 14 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	40.77	11.43
27 14 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	47.67	13.73
27 14 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	21.62	4.58
27 14 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	37.51	11.43
27 14 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	44.48	13.73
27 14 43 00-0074		**Communications Equipment Labeling** *(27 14 43)*		
27 14 43 00-0075	EA	Label Both Ends Of One 4 Pair Cable	18.01	
27 14 43 00-0076	EA	Label single gang face plate (2 labels required)	14.41	
27 14 43 00-0077	EA	Label two gang face plate (4 labels required)	21.61	
27 14 43 00-0078	EA	Label both ends of a Siamese (dual 4 Pair cable)	18.01	
27 14 53		**Communications Cable Innerduct** *(27 14)* Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001		**Indoor Innerduct** *(27 14 53)*		
27 14 53 00-0002		**Indoor Innerduct, Installed In Conduit** *(27 14 53 00-0001)*		
27 14 53 00-0003		**Riser Rated, Indoor Innerduct, Installed In Conduit** *(27 14 53 00-0002)*		
27 14 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,401.38	1,372.45
27 14 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	4,428.09	1,829.93
27 14 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	5,817.97	2,287.42
27 14 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,830.72	2,744.89
27 14 53 00-0008		**Plenum Rated, Indoor Innerduct, Installed In Conduit** *(27 14 53 00-0002)*		
27 14 53 00-0009	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,798.17	1,372.45
27 14 53 00-0010	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,062.34	1,829.93
27 14 53 00-0011	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,983.00	2,287.42
27 14 53 00-0012	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,624.30	2,744.89
27 14 53 00-0013		**Indoor Innerduct, Installed Exposed** *(27 14 53 00-0001)*		
27 14 53 00-0014		**Riser Rated, Indoor Innerduct, Installed Exposed** *(27 14 53 00-0013)*		
27 14 53 00-0015	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	4,316.35	1,829.93
		For Work In Restricted Working Space, Add	*1,097.96*	
27 14 53 00-0016	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	5,343.06	2,287.42
		For Work In Restricted Working Space, Add	*1,372.45*	
27 14 53 00-0017	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,732.94	2,744.89
		For Work In Restricted Working Space, Add	*1,646.94*	
27 14 53 00-0018	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	7,745.68	3,202.38
		For Work In Restricted Working Space, Add	*1,921.43*	
27 14 53 00-0019		**Plenum Rated, Indoor Innerduct, Installed Exposed** *(27 14 53 00-0013)*		
27 14 53 00-0020	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	5,713.14	1,829.93
		For Work In Restricted Working Space, Add	*1,097.96*	
27 14 53 00-0021	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	6,977.31	2,287.42
		For Work In Restricted Working Space, Add	*1,372.45*	
27 14 53 00-0022	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	8,897.97	2,744.89
		For Work In Restricted Working Space, Add	*1,646.94*	
27 14 53 00-0023	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	10,539.26	3,202.38
		For Work In Restricted Working Space, Add	*1,921.43*	
27 14 53 00-0024		**Outdoor Innerduct** *(27 14 53)*		
27 14 53 00-0025		**Outdoor Innerduct, Installed In Conduit** *(27 14 53 00-0024)*		
27 14 53 00-0026	MLF	1" Outdoor Innerduct, Installed In Conduit	3,233.77	1,372.45
27 14 53 00-0027	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	4,180.92	1,829.93
27 14 53 00-0028	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	5,318.20	2,287.42
27 14 53 00-0029	MLF	2" Outdoor Innerduct, Installed In Conduit	6,357.77	2,744.89

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 53 00-0030		**Outdoor Innerduct, Buried In Trench** *(27 14 53 00-0024)*		
27 14 53 00-0031	MLF	1" Outdoor Innerduct, Buried In Trench	2,318.81	
27 14 53 00-0032	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	3,265.95	
27 14 53 00-0033	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	4,403.23	
27 14 53 00-0034	MLF	2" Outdoor Innerduct, Buried In Trench	5,442.80	

27 14 63 Communications Multimedia Modular Patch Panels *(27 14)*

27 14 63 00-0001		**Communications Multimedia Modular Patch Panels** *(27 14 63)* Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 63 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	80.01	4.58
27 14 63 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	88.23	4.58
27 14 63 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	104.14	4.58
27 14 63 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	109.03	4.58
27 14 63 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	119.35	5.72
27 14 63 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	113.08	4.58
27 14 63 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	141.90	5.72
27 14 63 00-0009	EA	Rack Mount Rear Cable Management Bar	39.81	5.72

27 16 Communications Connecting Cords, Devices, And Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		**Fiber Optic Receivers** *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	642.13	45.75
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	666.94	90.11
27 16 16 00-0004		**Fiber Optic Transmitters** *(27 16 16)*		
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	642.13	45.75
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	666.94	90.11
27 16 16 00-0007		**Fiber Optic Repeaters** *(27 16 16)* Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	733.62	91.50
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,160.11	182.99
27 16 16 00-0010		**Fiber Optic Transceivers** *(27 16 16)*		
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	786.60	182.99
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	786.60	182.99
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	1,029.73	274.49
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	366.00	68.62

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 16)*

27 16 19 00-0001		**Fiber Optic Patch Cords** *(27 16 19)*		
27 16 19 00-0002		**Simplex Fiber Optic Patch Cables** *(27 16 19 00-0001)*		
27 16 19 00-0003		**Singlemode, Simplex Fiber Optic Patch Cables** *(27 16 19 00-0002)*		
27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.11	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	27.32	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	34.84	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.64	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.87	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.40	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010		**Duplex Fiber Optic Patch Cables** *(27 16 19 00-0001)*		
27 16 19 00-0011		**Singlemode, Duplex Fiber Optic Patch Cables** *(27 16 19 00-0010)*		
27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	56.37	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	54.74	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	60.53	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	47.45	
		For Each Additional Meter In Length, Add	*0.51*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	55.89	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	54.96	
		For Each Additional Meter In Length, Add	*0.51*	

27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*

27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.99	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	46.77	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	47.16	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	48.38	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.15	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	48.59	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	56.79	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.67	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	47.88	
		For Each Additional Meter In Length, Add	*1.48*	

27 16 19 00-0028 Fiber Optic Cable Pig Tail *(27 16 19)*

27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	59.01	32.02
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail	72.74	32.02

27 16 19 00-0031 Ethernet Patch Cords *(27 16 19)*

27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	18.25
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	19.38
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	20.50
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	26.76
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	29.58
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	35.22
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	19.84
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	21.29
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	22.74
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	29.48
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	33.10
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	40.35
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	58.45
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	99.26
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	25.90
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	28.73
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	31.57
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	40.40
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	47.49
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	61.67
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	97.13
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	172.65

27 16 19 00-0054 Cross Connect Wire *(27 16 19)*

Note: Up to 20' length.

27 16 19 00-0055	EA	2-Pair Cross Connect Wire	14.66
27 16 19 00-0056	EA	3-Pair Cross Connect Wire	19.62
27 16 19 00-0057	EA	4-Pair Cross Connect Wire	24.55

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,283.69	182.99
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	2,430.83	182.99

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	2,327.29	137.45
27 21 16 00-0006	EA	16 Port Unmanaged Hub	402.64	91.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0007		**Network Equipment** *(27 21 16)*		
27 21 16 00-0008		**Communications Entrance Protection** *(27 21 16 00-0007)*		
27 21 16 00-0009	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	677.91	68.72
27 21 16 00-0010	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	8.23	0.91
27 21 16 00-0011		**Communications Cabinets, Racks, Frames And Enclosures** *(27 21 16 00-0007)*		
27 21 16 00-0012	EA	19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	816.30	68.72
27 21 16 00-0013	EA	10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	717.85	4.59
27 21 16 00-0014	EA	Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701)	131.96	18.32
27 21 16 00-0015		**Communications Termination Blocks And Patch Panels** *(27 21 16 00-0007)*		
27 21 16 00-0016		**Communications Termination Blocks** *(27 21 16 00-0015)*		
27 21 16 00-0017	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	256.29	13.73
27 21 16 00-0018	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	238.57	13.73
27 21 16 00-0019	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	570.75	13.73
27 21 16 00-0020	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	530.89	13.73
27 21 16 00-0021	EA	110 Connector System Mounting Brackets (CommScope 107535593)	80.89	13.73
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535585)	87.33	13.73
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107098816)	99.38	13.73
27 21 16 00-0024		**Communications Copper Patch Panels** *(27 21 16 00-0015)* Note: Excludes cabinet and terminations.		
27 21 16 00-0025	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	254.14	29.78
27 21 16 00-0026	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	462.48	36.65
27 21 16 00-0027	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	375.54	29.78
27 21 16 00-0028	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	700.22	36.65
27 21 16 00-0029		**Communications Optical Fiber Patch Panels** *(27 21 16 00-0015)*		
27 21 16 00-0030		**Closet Connector Housings** *(27 21 16 00-0029)*		
27 21 16 00-0031	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	290.92	18.32
27 21 16 00-0032	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	339.00	18.32
27 21 16 00-0033	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	421.92	18.32
27 21 16 00-0034	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	91.22	9.16
27 21 16 00-0035	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	123.83	9.16
27 21 16 00-0036	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	102.73	9.16
27 21 16 00-0037	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	134.37	9.16
27 21 16 00-0038		**Communications Cable Management** *(27 21 16 00-0007)*		
27 21 16 00-0039		**Horizontal Communication Cable Management** *(27 21 16 00-0038)*		
27 21 16 00-0040	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	97.56	18.32
27 21 16 00-0041	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	100.71	18.32
27 21 16 00-0042		**Vertical Communication Cable Management** *(27 21 16 00-0038)*		
27 21 16 00-0043	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	570.73	45.82
27 21 16 00-0044	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	591.17	45.82
27 21 16 00-0045	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	637.14	45.82
27 21 16 00-0046		**Communications Patch Cords, Station Cords, And Cross Connect Wire** *(27 21 16 00-0007)*		
27 21 16 00-0047		**Premise Cross-Connect Wire** *(27 21 16 00-0046)*		
27 21 16 00-0048	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	0.94	0.46
27 21 16 00-0049		**Pathways For Communications Systems** *(27 21 16 00-0007)*		
27 21 16 00-0050		**Conduits And Backboxes For Communication Systems** *(27 21 16 00-0049)*		
27 21 16 00-0051		**Flexible Conduit For Communication Systems** *(27 21 16 00-0050)*		
27 21 16 00-0052	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	375.55	164.69
27 21 16 00-0053	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	540.64	164.69
27 21 16 00-0054		**Tube Cables For Communication Systems** *(27 21 16 00-0050)*		
27 21 16 00-0055		**Outdoor/All-Dielectric Tube Cables** *(27 21 16 00-0054)*		
27 21 16 00-0056	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	321.94	109.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0057	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	481.26	137.25
27 21 16 00-0058	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	802.23	164.69
27 21 16 00-0059		**Indoor/Riser Rated Tube Cables** *(27 21 16 00-0054)*		
27 21 16 00-0060	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	370.04	109.79
27 21 16 00-0061	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	453.04	123.52
27 21 16 00-0062	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	514.66	137.25
27 21 16 00-0063	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	953.21	164.69
27 21 16 00-0064		**Indoor/Plenum Rated Tube Cables** *(27 21 16 00-0054)*		
27 21 16 00-0065	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	269.83	109.79
27 21 16 00-0066	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	392.75	109.79
27 21 16 00-0067	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	608.02	123.52
27 21 16 00-0068	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	887.42	137.25
27 21 16 00-0069	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,776.93	164.69
27 21 16 00-0070		**Unjacketed Single Tube Cables** *(27 21 16 00-0054)*		
27 21 16 00-0071	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	232.42	109.79
27 21 16 00-0072		**Multimode Fiber Bundles** *(27 21 16 00-0054)* Note: Includes optical fiber cables.		
27 21 16 00-0073	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	100.33	32.94
27 21 16 00-0074	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	152.43	32.94
27 21 16 00-0075	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	208.55	32.94
27 21 16 00-0076	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	379.56	32.94
27 21 16 00-0077	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	550.38	38.43
27 21 16 00-0078	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	721.39	38.43
27 21 16 00-0079		**Singlemode Fiber Bundles** *(27 21 16 00-0054)* Note: Includes optical fiber cables.		
27 21 16 00-0080	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	89.64	32.94
27 21 16 00-0081	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	112.35	32.94
27 21 16 00-0082	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	131.06	32.94
27 21 16 00-0083	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	167.13	32.94
27 21 16 00-0084	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	256.44	38.43
27 21 16 00-0085	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	337.94	38.43
27 21 16 00-0086		**Tube Distribution Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0087	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	195.53	45.82
27 21 16 00-0088		**Modular Fiber Termination Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0089	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	247.92	45.82
27 21 16 00-0090	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	264.49	45.82
27 21 16 00-0091		**Tube Distribution Accessories** *(27 21 16 00-0054)*		
27 21 16 00-0092	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	11.02	4.59
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	12.18	4.59
27 21 16 00-0094	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	15.17	4.59
27 21 16 00-0095		**Communications Optical Fiber Cabling** *(27 21 16 00-0007)*		
27 21 16 00-0096		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0095)*		
27 21 16 00-0097		**Field Installed Fiber Connectors** *(27 21 16 00-0096)*		
27 21 16 00-0098	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	32.56	6.87
27 21 16 00-0099	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	28.73	6.87
27 21 16 00-0100		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0096)*		
27 21 16 00-0101		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0100)* Note: Includes 900 micron tubing.		
27 21 16 00-0102	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	199.02	91.50
27 21 16 00-0103	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	203.03	91.50
27 21 16 00-0104	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	206.57	91.50
27 21 16 00-0105	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	217.57	91.50
27 21 16 00-0106	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	232.61	91.50
27 21 16 00-0107	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	243.78	91.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0108		Buffer Tube Fan-Out Kits (Corning) *(27 21 16 00-0100)*		
27 21 16 00-0109	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	200.88	91.50
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	240.57	91.50
27 21 16 00-0111		Communications Copper Cabling *(27 21 16 00-0007)*		
27 21 16 00-0112		Copper Communications Cable Splicing And Terminations *(27 21 16 00-0111)*		
27 21 16 00-0113		Copper Communications Cable Splice Cases *(27 21 16 00-0112)*		
27 21 16 00-0114	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	768.75	182.99
27 21 16 00-0115	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	883.86	182.99
27 21 16 00-0116	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,266.38	182.99
27 21 16 00-0117		Modular Splice Connectors *(27 21 16 00-0112)*		
27 21 16 00-0118	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	97.08	45.75
27 21 16 00-0119	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	95.84	45.75
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	97.11	45.75
27 21 16 00-0121	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	96.94	45.75

27 30 Voice Communications *(27)*

27 31 Voice Communications Switching and Routing Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems *(27 31)*

27 31 13 00-0001		Interior PBX Telephone System *(27 31 13)* Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002		Interior PBX Telephone System *(27 31 13 00-0001)* Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,258.08	477.29
27 31 13 00-0004		Additional Telephones Less Solid State Switching (PBX) *(27 31 13 00-0001)*		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching	377.82	37.52
27 31 13 00-0006		Telephones *(27 31 13 00-0001)*		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment	157.13	35.68
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment	181.19	47.58

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System *(27 32)*

27 32 19 00-0001		Components *(27 32 19)*		
27 32 19 00-0002	EA	Solid State Exchange Unit With Power Supply	4,583.32	836.09
27 32 19 00-0003	EA	Dial Telephone - Handset In Cabinet	537.69	68.35
27 32 19 00-0004	EA	Elevator Cab Telephone With Trailer Cable	288.13	73.29
27 32 19 00-0005	EA	Loud Ring Bell, 6"	230.20	67.98
27 32 19 00-0006	EA	Audio/Visual Indicator	284.42	64.05
27 32 19 00-0007	EA	Administrative Telephone With Digital Display	292.62	57.46
27 32 19 00-0008	EA	Processing Unit For 16 Station System	1,522.63	468.74
27 32 19 00-0009	EA	Handset For 16 Station System	208.74	46.66
27 32 19 00-0010	EA	Handset In Cabinet, For 16 Station System	282.66	62.95
27 32 19 00-0011	MLF	20 Conductor Unshielded Cable, #22	2,121.18	1,008.94
27 32 19 00-0012	EA	Power Supply For 16 Station System	288.49	124.52
27 32 19 00-0013	EA	Intercom Terminal Board	266.87	140.17
27 32 19 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	297.94	124.52
27 32 19 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	141.59	51.19
27 32 19 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	424.09	112.67
27 32 19 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	498.86	128.07
27 32 19 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	603.57	151.57
27 32 19 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	706.41	163.86
27 32 19 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,074.36	186.45
27 32 19 00-0021	EA	Ring Rung 3"	9.51	5.10
27 32 19 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	23.13	9.06
27 32 19 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	43.02	18.58
27 32 19 00-0024		Accessories *(27 32 19)*		
27 32 19 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	10.52	4.94
27 32 19 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	24.52	19.03
27 32 19 00-0027	EA	Level 5, RJ-45 Jack, Dual Flush Mounted - Complete	64.48	20.91
27 32 19 00-0028	EA	Level 5, RJ-45 Jack, Wall Mount - Complete	59.45	20.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0029	EA	Terminating Strips, Inside	121.39	41.83
27 32 19 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	48.82	21.50
27 32 19 00-0031	EA	Ready Access Closure 3 To 25 Pair	146.85	50.41
27 32 19 00-0032	EA	Ready Access Closure 25 To 100 Pair	175.46	56.36
27 32 19 00-0033	EA	Termination Block With Bracket 25 Pair	58.55	16.92
27 32 19 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	47.82	21.22
27 32 19 00-0035	EA	Interior Protected Terminal 25 Pair	768.41	122.24
27 32 19 00-0036	EA	Interior Protected Terminal 50 Pair	940.93	124.16
27 32 19 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	302.89	50.87
27 32 19 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	314.97	50.87
27 32 19 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	418.95	65.05
27 32 19 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	894.81	117.21
27 32 19 00-0041	EA	Entrance Protector Terminal 100 Pair	1,279.16	133.77
27 32 19 00-0042	EA	Gas Protection Module	16.28	4.58
27 32 19 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	33.54	4.18

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Standard features include: CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,799.34	375.56
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	7,127.80	375.56
27 32 26 00-0004	EA	Analog Speakerphone With Black “Info” Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	109.49	
27 32 26 00-0005	EA	Analog Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)	164.23	
27 32 26 00-0006	EA	IP Speakerphone With Single Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP1)	410.58	
27 32 26 00-0007	EA	IP Speakerphone With Back “Info” Button And Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP2)	558.39	
27 32 26 00-0008	EA	IP Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K)	613.14	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	10.95	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	10.95	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	98.54	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,040.14	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	481.75	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,560.22	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	3,279.19	
27 32 26 00-0016	EA	Active Venting Code Blue Option	175.18	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	1,527.37	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	383.21	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	870.44	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	38.32	

27 32 26 00-0021 City Police Call System *(27 32 26)*

27 32 26 00-0022 Components *(27 32 26 00-0021)*

27 32 26 00-0023	EA	City Police Call System	536.88	106.69
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	503.26	154.53

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*

See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0309 for basic wiring.

27 41 16 00-0002 Television Support System *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	324.05	102.63
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	409.75	114.54
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	336.21	102.63
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	421.91	114.54
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	256.06	82.47
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	341.74	91.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	272.01	82.47
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	357.69	91.63
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	287.96	82.47
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	373.65	91.63
27 41 16 00-0013		Distribution System *(27 41 16 00-0001)*		
		See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014		TV Distribution Rack *(27 41 16 00-0013)*		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,031.94	168.26
27 41 16 00-0016	EA	Switch And Pilot Light	178.87	74.75
27 41 16 00-0017	LF	Surface Raceway With Outlets	21.87	10.16
27 41 16 00-0018	EA	Service Label	26.68	14.00
27 41 16 00-0019		Head End Amplifier *(27 41 16 00-0013)*		
27 41 16 00-0020	EA	Head End Amplifier	688.39	111.99
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*		
27 41 16 00-0022	EA	UHF In-Line Booster	419.61	111.99
27 41 16 00-0023		Preamplifiers *(27 41 16 00-0013)*		
27 41 16 00-0024	EA	VHF Preamplifier	514.25	111.99
27 41 16 00-0025	EA	UHF Preamplifier	419.60	111.99
27 41 16 00-0026		Power Supplies *(27 41 16 00-0013)*		
27 41 16 00-0027	EA	Common Power Supply	734.65	160.02
27 41 16 00-0028		Line Splitter And Mixer *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	72.39	37.33
27 41 16 00-0030	EA	Two-Way Splitter	79.92	37.33
27 41 16 00-0031	EA	Frequency Filter	167.27	56.08
27 41 16 00-0032	EA	Line Splitter And Mixer	220.24	82.35
27 41 16 00-0033		Power Line Filters *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	311.37	74.75
27 41 16 00-0035		Wall Box And Receiver Outlets *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	167.27	56.08
27 41 16 00-0037	EA	TV Receiver Outlet Plug	79.92	37.33
27 41 16 00-0038	EA	TV Camera Outlet Plug	79.92	37.33
27 41 16 00-0039	EA	Audio Outlet Plug	70.48	37.33
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	145.74	74.75
27 41 16 00-0041	EA	Male Plug PL-259	79.92	37.33
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	97.78	39.16
27 41 16 00-0043		Metal And Electric Shop Antenna Systems *(27 41 16)*		
27 41 16 00-0044		Antenna *(27 41 16 00-0043)*		
27 41 16 00-0045	EA	Amateur Radio Antenna	653.54	137.25
27 41 16 00-0046	EA	Multi-Band Radio Antenna	517.96	137.25
27 41 16 00-0047		Receptacles *(27 41 16 00-0043)*		
27 41 16 00-0048	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	157.82	56.08
27 41 16 00-0049	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	157.82	56.08

27 50 Distributed Communications And Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 33 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 33 00-0001		Amplifiers *(27 51 33)*		
27 51 33 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	355.05	91.63
27 51 33 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	483.82	91.63
27 51 33 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	566.48	91.63
27 51 33 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	625.45	91.63
27 51 33 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	768.35	91.63
27 51 33 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	982.04	91.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 33 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	39.41	4.59
27 51 33 00-0009		**Speakers** *(27 51 33)*		
27 51 33 00-0010	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	151.36	24.52
27 51 33 00-0011	EA	8" Steel Baffle (Atlas Sound 51-8)	44.40	4.58
27 51 33 00-0012	EA	T-Bar Support (Atlas Sound EZ95-8)	48.90	4.58
27 51 33 00-0013	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	73.00	4.58
27 51 33 00-0014	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	72.65	8.24
27 51 33 00-0015		**Accessories** *(27 51 33)*		
27 51 33 00-0016	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	186.44	11.45
27 51 33 00-0017	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	411.87	11.45
27 51 33 00-0018	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	114.24	22.91
27 51 33 00-0019	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	201.93	22.91
27 51 33 00-0020	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	150.65	22.88
27 51 33 00-0021	EA	Microphone Jack For Audio/Video System	75.81	22.91
27 51 33 00-0022	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	590.52	91.63
27 51 33 00-0023	EA	Volume Control For Audio/Video System (Bogen AT10A)	72.97	22.91
27 51 33 00-0024		**Remove And Reinstall Speakers** *(27 51 33)* Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0025	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	128.10	

27 52 Healthcare Communications And Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001		**Wireless Equipment Nurses Call Systems** *(27 52 23)* Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.		
27 52 23 00-0002		**Wireless Nurses Call System** *(27 52 23 00-0001)*		
27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	4,943.84	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	5,544.29	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	3,462.34	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	2,819.55	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	2,539.66	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	2,259.68	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	575.29	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	281.77	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	20.69	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	412.02	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	412.02	
27 52 23 00-0014	EA	Remote Reset Button; S35R	400.48	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	280.12	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	25.64	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	341.14	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,083.86	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	700.01	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	549.94	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	549.94	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	675.27	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	1,153.96	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	2,278.14	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	6,220.40	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	2,124.04	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	10,903.85	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	51.66	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	46.71	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	23.62	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	10,720.80	
27 52 23 00-0032	EA	Serial Printer; NCSP	1,122.41	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	23.99	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	43.78	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	23.99	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	4,815.37	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	677.37	
27 52 23 00-0038		**Wireless Nurses Call Tele/Management System** *(27 52 23 00-0001)*		
27 52 23 00-0039	EA	Tele/Management Unit; TP12	2,811.42	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	2,552.75	
27 52 23 00-0041		**Wireless Nurses Call Paging System** *(27 52 23 00-0001)*		
27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	8,020.30	
27 52 23 00-0043	EA	Replacement Antenna For RPE673; RPE673AN	559.81	
27 52 23 00-0044	EA	Replacement Power For RPE673; RPE673PS	747.81	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	911.07	
27 52 23 00-0046	EA	Replacement Holster For RPR583; RPR583H	52.93	

27 52 23 00-0047 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	186.37	47.58
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	1,856.36	190.32
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	201.79	62.22
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,014.94	182.99
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	493.88	142.74
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	247.03	47.58
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	235.04	47.58
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	363.79	83.26
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	113.59	36.59
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	105.88	36.59
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	75.64	23.79
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	110.30	36.59
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	155.27	23.79
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	81.45	23.79
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	3,722.20	182.99
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	654.44	142.83

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 00-0001 Wired Self-Corrective Clock Systems *(27 53 13)*

27 53 13 00-0002 Wired Self-Corrective Clocks *(27 53 13 00-0001)*

27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 00-0002)*

27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	167.91	22.88
		For >50 To 100, Deduct	*-11.74*	
		For >100, Deduct	*-16.62*	
27 53 13 00-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	385.95	22.88
		For >50 To 100, Deduct	*-20.46*	
		For >100, Deduct	*-34.07*	
27 53 13 00-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	208.12	22.88
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-21.46*	
27 53 13 00-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	506.57	22.88
		For >50 To 100, Deduct	*-52.93*	
		For >100, Deduct	*-71.36*	

27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	167.91	22.88
		For >50 To 100, Deduct	*-11.74*	
		For >100, Deduct	*-16.62*	
27 53 13 00-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	385.95	22.88
		For >50 To 100, Deduct	*-20.46*	
		For >100, Deduct	*-34.07*	
27 53 13 00-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	208.12	22.88
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-21.46*	
27 53 13 00-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	506.57	22.88
		For >50 To 100, Deduct	*-52.93*	
		For >100, Deduct	*-71.36*	

27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	134.99	11.43
27 53 13 00-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	38.34	11.43
27 53 13 00-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	47.24	11.43
27 53 13 00-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	56.52	11.43
27 53 13 00-0019	EA	Combination Back Box For Speaker And Clock	96.63	18.30

27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) *(27 53 13 00-0002)*

27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 00-0020)*

27 53 13 00-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	205.03	22.88
		For Surface Mount, Add	*31.86*	
		For >50 To 100, Deduct	*-9.56*	
		For >100, Deduct	*-15.93*	
27 53 13 00-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	310.18	22.88
		For Surface Mount, Add	*52.89*	
		For >50 To 100, Deduct	*-15.87*	
		For >100, Deduct	*-26.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	205.03	22.88
		For Surface Mount, Add	*31.86*	
		For >50 To 100, Deduct	*-9.56*	
		For >100, Deduct	*-15.93*	
27 53 13 00-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	310.18	22.88
		For Surface Mount, Add	*52.89*	
		For >50 To 100, Deduct	*-15.87*	
		For >100, Deduct	*-26.44*	
27 53 13 00-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	176.81	22.88
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-13.11*	
27 53 13 00-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	284.67	22.88
		For >50 To 100, Deduct	*-14.34*	
		For >100, Deduct	*-23.89*	
27 53 13 00-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	176.81	22.88
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-13.11*	
27 53 13 00-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	284.67	22.88
		For >50 To 100, Deduct	*-14.34*	
		For >100, Deduct	*-23.89*	
27 53 13 00-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	182.16	11.43
27 53 13 00-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	47.62	11.43
27 53 13 00-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	63.86	11.43
27 53 13 00-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	159.73	11.43
27 53 13 00-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	48.79	11.43
27 53 13 00-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 00-0001)*		
27 53 13 00-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 00-0039)*		
27 53 13 00-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	1,909.27	182.99
27 53 13 00-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	2,025.25	182.99
27 53 13 00-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 00-0039)*		
27 53 13 00-0044	EA	5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	208.64	45.75
27 53 13 00-0045	EA	10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	232.99	45.75
27 53 13 00-0046		**Other Clock And Program Systems** *(27 53 13)*		
27 53 13 00-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,137.99	91.50
27 53 13 00-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	1,411.53	182.99
27 53 13 00-0049	EA	Program Bell (Lathem 906-6)	183.46	45.75
27 53 13 00-0050	EA	Combination Clock And Speaker	421.67	114.37

END OF SECTION 27

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security *(28)*

28 05 13 Conductors And Cables For Electronic Safety And Security *(28 05)*

28 05 13 13 CCTV Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 16 Access Control Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 19 Intrusion Detection Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 13 23-0000 for Type FPLP.

28 05 13 23 Fire Alarm Communications Conductors And Cables *(28 05 13)*

28 05 13 23-0001 Fire Alarm/Life Safety Cable *(28 05 13 23)*

28 05 13 23-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*

28 05 13 23-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0002)*

28 05 13 23-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,424.80	622.54
28 05 13 23-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,719.09	645.05
28 05 13 23-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,624.11	707.63
28 05 13 23-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,090.50	732.89
28 05 13 23-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,860.59	792.18
28 05 13 23-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,522.96	820.72
28 05 13 23-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,355.52	905.82
28 05 13 23-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,381.59	938.11

28 05 13 23-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0002)*

28 05 13 23-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,462.38	1,245.26
28 05 13 23-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,794.17	1,290.11
28 05 13 23-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,803.50	1,415.45
28 05 13 23-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,311.98	1,465.77
28 05 13 23-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,180.88	1,584.72
28 05 13 23-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,890.84	1,641.45
28 05 13 23-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,865.22	1,811.63
28 05 13 23-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,945.26	1,876.59

28 05 13 23-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0001)*

28 05 13 23-0022	MLF	2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	933.32	509.45
28 05 13 23-0023	MLF	4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,003.31	527.57
28 05 13 23-0024	MLF	2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,136.14	622.54
28 05 13 23-0025	MLF	3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,204.07	633.79
28 05 13 23-0026	MLF	4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,246.31	645.05
28 05 13 23-0027	MLF	6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,379.26	667.56

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0028	MLF	8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,567.52	690.07
28 05 13 23-0029	MLF	2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,320.73	707.63
28 05 13 23-0030	MLF	4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,469.20	732.89
28 05 13 23-0031	MLF	2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,522.86	792.18
28 05 13 23-0032	MLF	4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,751.98	820.72
28 05 13 23-0033	MLF	2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,842.90	905.82
28 05 13 23-0034	MLF	4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,208.93	938.11
28 05 13 23-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*		
28 05 13 23-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0035)*		
28 05 13 23-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	926.69	509.45
28 05 13 23-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,131.83	622.54
28 05 13 23-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,245.69	633.79
28 05 13 23-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,257.83	645.05
28 05 13 23-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,439.41	667.56
28 05 13 23-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,314.22	707.63
28 05 13 23-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,483.80	732.89
28 05 13 23-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,493.57	792.18
28 05 13 23-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,868.40	820.72
28 05 13 23-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,833.33	905.82
28 05 13 23-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,385.66	938.11
28 05 13 23-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0035)*		
28 05 13 23-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,775.77	1,019.28
28 05 13 23-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,169.41	1,245.26
28 05 13 23-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,301.56	1,267.23
28 05 13 23-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,332.91	1,290.11
28 05 13 23-0053	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,552.01	1,334.94
28 05 13 23-0054	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,493.61	1,415.45
28 05 13 23-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,705.28	1,465.77
28 05 13 23-0056	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,813.86	1,584.72
28 05 13 23-0057	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,236.28	1,641.45
28 05 13 23-0058	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,343.03	1,811.63
28 05 13 23-0059	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,949.33	1,876.59
28 05 13 23-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*		
28 05 13 23-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0060)*		
28 05 13 23-0062	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	953.98	509.45
28 05 13 23-0063	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,151.32	622.54
28 05 13 23-0064	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,318.03	633.79
28 05 13 23-0065	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,277.77	645.05
28 05 13 23-0066	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,459.80	667.56
28 05 13 23-0067	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,359.01	707.63

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0068	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,504.52	732.89
28 05 13 23-0069	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,590.17	792.18
28 05 13 23-0070	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,819.96	820.72
28 05 13 23-0071	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,904.81	905.82
28 05 13 23-0072	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,238.60	938.11
28 05 13 23-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0060)*		
28 05 13 23-0074	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,803.06	1,019.28
28 05 13 23-0075	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,188.90	1,245.26
28 05 13 23-0076	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,373.90	1,267.23
28 05 13 23-0077	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,352.85	1,290.11
28 05 13 23-0078	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,572.40	1,334.94
28 05 13 23-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,538.40	1,415.45
28 05 13 23-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,726.00	1,465.77
28 05 13 23-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,910.46	1,584.72
28 05 13 23-0082	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,187.84	1,641.45
28 05 13 23-0083	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,414.51	1,811.63
28 05 13 23-0084	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,802.27	1,876.59
28 05 13 23-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*		
28 05 13 23-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0085)*		
28 05 13 23-0087	MLF	2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	926.17	509.45
28 05 13 23-0088	MLF	2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,159.47	622.54
28 05 13 23-0089	MLF	3/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,238.66	633.79
28 05 13 23-0090	MLF	4/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,305.68	645.05
28 05 13 23-0091	MLF	6/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,451.89	667.56
28 05 13 23-0092	MLF	2/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,333.99	707.63
28 05 13 23-0093	MLF	4/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,531.97	732.89
28 05 13 23-0094	MLF	2/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,549.70	792.18
28 05 13 23-0095	MLF	4/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,899.75	820.72
28 05 13 23-0096	MLF	2/c #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,847.79	905.82
28 05 13 23-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0085)*		
28 05 13 23-0098	MLF	2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,775.25	1,019.28
28 05 13 23-0099	MLF	2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,197.05	1,245.26
28 05 13 23-0100	MLF	3/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,294.53	1,267.23
28 05 13 23-0101	MLF	4/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,380.76	1,290.11
28 05 13 23-0102	MLF	6/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,564.49	1,334.94
28 05 13 23-0103	MLF	2/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,513.38	1,415.45
28 05 13 23-0104	MLF	4/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,753.45	1,465.77
28 05 13 23-0105	MLF	2/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,869.99	1,584.72
28 05 13 23-0106	MLF	4/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,267.63	1,641.45
28 05 13 23-0107	MLF	2/c #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,357.49	1,811.63

28 05 26 Grounding And Bonding For Electronic Safety And Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 28 Pathways For Electronic Safety And Security *(28 05)*

28 05 28 29 Hangers And Supports For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 29 00-0000 for hangers and supports.

28 05 28 33 Conduits And Backboxes For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 33 13-0000 for conduits.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 05 28 36 Cable Trays For Electronic Safety And Security *(28 05 28)*
See CSI section 26 05 36 00-0000 for cable trays.

28 05 28 39 Surface Raceways For Electronic Safety And Security *(28 05 28)*
See CSI section 26 05 33 23-0000 for surface raceways.

28 05 53 Identification For Electronic Safety And Security *(28 05)*
See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*
Note: Includes testing of new devices and certification.

28 15 Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00	1,069.62	190.77
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	1,349.49	247.95
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	6,738.21	543.49
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	3,164.50	463.16
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00	888.27	253.35

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount to a standard mullion.	84.95	22.88
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	88.21	22.88
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	106.99	22.88

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*
Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	102.37	22.88
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	462.80	68.62
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	155.99	22.88

28 16 11 00-0011 Key Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	113.12	22.88

28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)*
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.	181.33	45.75
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	267.89	45.75
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls	267.89	45.75
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls	392.01	45.75

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	151.91	22.88

28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)*
Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0023 Keypad Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0022)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	632.12	91.50
		For Flush Mount, Add	*101.05*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	761.16	102.93
		For Flush Mount, Add	*124.94*	
28 16 11 00-0027		RF Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	403.47	91.50
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	447.57	91.50
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	490.03	91.50
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	535.76	91.50
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	578.22	91.50
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	623.95	91.50
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	666.42	91.50
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	27.76	
		For >40 To 110, Deduct	*-1.39*	
		For >110, Deduct	*-2.78*	
		For Built In Proximity Tags, Add	*5.55*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	29.40	
		For >40 To 110, Deduct	*-1.47*	
		For >110, Deduct	*-2.94*	
		For Built In Proximity Tags, Add	*5.88*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	31.03	
		For >40 To 110, Deduct	*-1.55*	
		For >110, Deduct	*-3.10*	
		For Built In Proximity Tags, Add	*6.21*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	176.45	68.62
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 20' of coax cable.	300.57	68.62
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	277.71	68.62
28 16 11 00-0045		Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand Alone Access Controls	713.78	91.50
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand Alone Access Controls	770.94	91.50
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand Alone Access Controls	901.60	91.50
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls	452.47	91.50
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls	544.69	91.50
28 16 11 00-0061		Other Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	82.50	22.88
28 16 11 00-0063		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0064		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0063)*		
28 16 11 00-0065		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Cards *(28 16 11 00-0065)*		
28 16 11 00-0067	EA	Clamshell Type, DKS Proximity Card (DKS 170)	4.34	
28 16 11 00-0068	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	7.16	
28 16 11 00-0069	EA	DKS Proximity Key Fob (DKS 50)	7.55	
28 16 11 00-0070	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	42.68	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	55.64	
28 16 11 00-0072		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0073	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	315.63	114.37
28 16 11 00-0074	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	315.63	114.37
28 16 11 00-0075	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	315.63	114.37
28 16 11 00-0076	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 VDC regulated power supply.	722.62	114.37
28 16 11 00-0077		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0078		AWID, Proximity Cards *(28 16 11 00-0077)*		
28 16 11 00-0079	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	3.66	
28 16 11 00-0080	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	5.72	
28 16 11 00-0081	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	6.10	
28 16 11 00-0082	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	21.34	
28 16 11 00-0083	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	21.34	
28 16 11 00-0084		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0077)*		
28 16 11 00-0085	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	365.93	114.37
28 16 11 00-0086	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	475.68	114.37
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	475.68	114.37
28 16 11 00-0088	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 VDC regulated power supply.	724.14	114.37
28 16 11 00-0089	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 VDC regulated power supply.	3,705.71	114.37
28 16 11 00-0090		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0091		HID, Proximity Cards *(28 16 11 00-0090)*		
28 16 11 00-0092	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	11.28	
28 16 11 00-0093	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	14.02	
28 16 11 00-0094	EA	HID Proximity Key Fob (HID ProxKey II)	14.33	
28 16 11 00-0095		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0090)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	363.75	114.37
		Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0097	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)	418.30	114.37
		Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	459.21	114.37
		Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0099	EA	EntryProx Single-Door Proximity Access Control	569.68	114.37
		Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0100		Contactless Smart Card Controls, Wiegand Output Access Controls *(28 16 11 00-0063)*		
28 16 11 00-0101		HID, Contactless Smart Cards *(28 16 11 00-0100)*		
28 16 11 00-0102	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	6.71	
28 16 11 00-0103	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	7.32	
28 16 11 00-0104	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	9.58	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	5.19	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0106		HID, Contactless Smart Card Readers, Wiegand Output Access Controls *(28 16 11 00-0100)*		
28 16 11 00-0107	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	349.71	114.37
		Note: For mullion mounting.		
28 16 11 00-0108	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	450.31	114.37
		Note: For mullion mounting.		
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	676.67	114.37
		Note: For mullion mounting.		
28 16 11 00-0110		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls *(28 16 11 00-0100)*		
28 16 11 00-0111	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	1,949.81	114.37
		Note: For mullion mounting.		
28 16 11 00-0112		Call Station Controls, Wiegand Output Access Controls *(28 16 11 00-0063)*		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0113	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	816.69	114.37
		Note: For mullion mounting.		
28 16 11 00-0114	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	694.20	114.37
		Note: For mullion mounting.		
28 16 11 00-0115		Biometrics Readers, Wiegand Output Access Controls *(28 16 11 00-0063)*		
28 16 11 00-0116	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	3,793.90	91.50
28 16 11 00-0117	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	4,623.66	91.50
28 16 11 00-0118	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	1,850.85	91.50
28 16 11 00-0119	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,015.38	91.50
28 16 11 00-0120	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,123.17	91.50
28 16 11 00-0121	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,015.38	91.50
28 16 11 00-0122		Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11)*		
		Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0123		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0122)*		
28 16 11 00-0124	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	208.70	16.97
		Note: Includes a 5" x 5" base plate.		
28 16 11 00-0125	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	401.42	16.97
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0126	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	189.10	16.97
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0127		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0122)*		
28 16 11 00-0128	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	370.39	16.97
		Note: Includes an 8" x 8" base plate.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	442.25	16.97
28 16 11 00-0130	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	270.76	16.97
28 16 11 00-0131		4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0122)*		
28 16 11 00-0132	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	1,201.69	16.97
28 16 11 00-0133	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	1,258.85	16.97
28 16 11 00-0134	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	515.74	16.97
28 16 11 00-0135	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	826.05	16.97
28 16 11 00-0136		Access Control Accessories *(28 16 11)*		
28 16 11 00-0137	EA	Modem: Multitech, Mt2834L	1,415.30	
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5)	380.90	
28 16 11 00-0139	EA	12 Volt, 7 Amp, Battery	47.14	
28 16 11 00-0140	EA	12 Volt, 18 Amp, Battery	105.08	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	412.82	22.88
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	181.15	45.75
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	67.13	27.45
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	438.77	18.30
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	67.10	4.59
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	54.47	18.30
28 16 11 00-0147		Access Controllers *(28 16 11)*		
28 16 11 00-0148		Microterm Controller *(28 16 11 00-0147)*		
28 16 11 00-0149	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,046.71	114.37
28 16 11 00-0150	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	738.11	68.62
28 16 11 00-0151	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.	340.44	
28 16 11 00-0152		Miniterm Controller *(28 16 11 00-0147)*		
28 16 11 00-0153	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,608.29	114.37
28 16 11 00-0154	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	1,197.11	68.62
28 16 11 00-0155		Super-2 Controller *(28 16 11 00-0147)*		
28 16 11 00-0156	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,204.54	114.37
28 16 11 00-0157	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	811.23	68.62
28 16 11 00-0158	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	239.58	68.62
28 16 11 00-0159		Smarterm Controller *(28 16 11 00-0147)*		
28 16 11 00-0160	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,329.41	137.25
28 16 11 00-0161	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	2,535.02	68.62
28 16 11 00-0162	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	999.08	68.62
28 16 11 00-0163	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	1,411.64	68.62
28 16 11 00-0164	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	1,102.50	68.62
28 16 11 00-0165	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	1,102.50	68.62
28 16 11 00-0166		Superterm-4 Controller *(28 16 11 00-0147)*		
28 16 11 00-0167	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,077.65	137.25
28 16 11 00-0168	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	2,492.70	68.62
28 16 11 00-0169		Superterm-8 Controller *(28 16 11 00-0147)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0170	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,117.47	228.74
28 16 11 00-0171	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,461.27	228.74
28 16 11 00-0172	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	3,349.52	68.62
28 16 11 00-0173		Turbo Superterm-4 Controller *(28 16 11 00-0147)*		
28 16 11 00-0174	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,077.65	137.25
28 16 11 00-0175	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	2,492.70	68.62
28 16 11 00-0176		Turbo Superterm-8 Controller *(28 16 11 00-0147)*		
28 16 11 00-0177	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,117.47	228.74
28 16 11 00-0178	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,461.27	228.74
28 16 11 00-0179	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	3,349.52	68.62
28 16 11 00-0180	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	1,411.64	68.62
28 16 11 00-0181	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	1,191.60	68.62
28 16 11 00-0182	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	1,103.61	68.62
28 16 11 00-0183	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	1,103.61	68.62
28 16 11 00-0184	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	440.98	
28 16 11 00-0185		Access Control Bundled System *(28 16 11)*		
28 16 11 00-0186	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	22,016.59	
28 16 11 00-0187		Magnetic Locks *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0188		Magnetic Door Locks *(28 16 11 00-0187)*		
28 16 11 00-0189		300 LB Magnetic Door Locks *(28 16 11 00-0188)*		
28 16 11 00-0190	EA	Single Door, Surface Mount, 300 LB Magnetic Door Lock	377.34	91.50
28 16 11 00-0191		600 LB Magnetic Door Locks *(28 16 11 00-0188)*		
28 16 11 00-0192	EA	Single Door, Surface Mount, 600 LB Magnetic Door Lock	512.08	91.50
		For LED Status Indicator And Signal Relay, Add	*41.14*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*82.27*	
		For Mortise Mount, Deduct	*-65.82*	
28 16 11 00-0193	EA	Dual Doors, Surface Mount, 600 LB Magnetic Door Lock	733.38	91.50
		For LED Status Indicator And Signal Relay, Add	*68.80*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*137.60*	
28 16 11 00-0194		1,200 LB Magnetic Door Locks *(28 16 11 00-0188)*		
28 16 11 00-0195	EA	Single Door, Surface Mount, 1,200 LB Magnetic Door Lock	532.49	91.50
		For LED Status Indicator And Signal Relay, Add	*80.39*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*104.85*	
28 16 11 00-0196	EA	Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	777.47	91.50
		For LED Status Indicator And Signal Relay, Add	*136.73*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*178.34*	
28 16 11 00-0197		2,000 LB Shear Lock, Magnetic And Mechanical Locks *(28 16 11 00-0188)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0198	EA	Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock	554.54	91.50
28 16 11 00-0199		Magnetic Gate Locks *(28 16 11 00-0187)*		
28 16 11 00-0200		600 LB Magnetic Gate Locks *(28 16 11 00-0199)*		
28 16 11 00-0201	EA	600 LB Magnetic Gate Lock	431.24	91.50

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202		**1,200 LB Magnetic Gate Locks** *(28 16 11 00-0199)*		
28 16 11 00-0203	EA	1,200 LB Magnetic Gate Lock	505.55	91.50
		For LED Status Indicator And Signal Relay, Add	*40.32*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*80.64*	
		For Mortise Mount, Deduct	*-64.51*	
28 16 11 00-0204		**Magnetic Lock Power Supply And Chargers** *(28 16 11 00-0187)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0205	EA	12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger	336.16	91.50
28 16 11 00-0206	EA	12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger	410.20	91.50
28 16 11 00-0207	EA	12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	453.75	91.50
28 16 11 00-0208	EA	12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger	553.92	91.50
28 16 11 00-0209		**Master Door Buzzer Stations** *(28 16 11)*		
28 16 11 00-0210		**Master Stations** *(28 16 11 00-0209)*		
28 16 11 00-0211	EA	Master Stations, 5 Station Intercommunication Equipment	721.34	142.74
28 16 11 00-0212	EA	Master Stations, 10 Station Intercommunication Equipment	1,113.92	276.32
28 16 11 00-0213	EA	Master Station, Desk Style Remote Intercommunication Equipment	314.85	71.36
28 16 11 00-0214	EA	Master Station, Flush Wall Remote Intercommunication Equipment	416.53	118.94
28 16 11 00-0215	EA	Sound System Outlet, Protector	114.71	46.57
28 16 11 00-0216	EA	Sound System Microphone Outlet	207.38	95.34
28 16 11 00-0217	EA	Sound System Speaker Ceiling Or Wall	145.85	46.57
28 16 11 00-0218	EA	Sound System Monitor Panel	406.27	95.34
28 16 11 00-0219	EA	Sound System Volume Control	129.06	46.57
28 16 11 00-0220	EA	Sound System Amplifier 250 W	1,850.55	381.26
28 16 11 00-0221	EA	Sound System Cabinet	1,157.83	381.26
28 16 11 00-0222		**Master Door Stations** *(28 16 11 00-0209)*		
28 16 11 00-0223	EA	Master Door Stations, Button Buzzer Type, 25 Station	1,768.49	
		For Intercom Type Master Door Station, Add	*119.63*	
28 16 11 00-0224	EA	Master Door Stations, Button Buzzer Type, 50 Station	2,933.44	
		For Intercom Type Master Door Station, Add	*193.81*	
28 16 11 00-0225	EA	Master Door Stations, Button Buzzer Type, 75 Station	4,041.09	
		For Intercom Type Master Door Station, Add	*251.23*	
28 16 11 00-0226	EA	Master Door Stations, Button Buzzer Type, 100 Station	4,611.81	
		For Intercom Type Master Door Station, Add	*294.30*	
28 16 11 00-0227	EA	Master Door Stations, Button Buzzer Type, 150 Station	5,520.26	
		For Intercom Type Master Door Station, Add	*430.68*	
28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 200 Station	6,425.15	
		For Intercom Type Master Door Station, Add	*555.10*	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 250 Station	8,068.62	
		For Intercom Type Master Door Station, Add	*717.80*	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 300 Station	9,675.13	
		For Intercom Type Master Door Station, Add	*823.07*	
28 16 11 00-0231	EA	Transformer	122.60	
28 16 11 00-0232	EA	Door Opener	181.88	
28 16 11 00-0233	EA	Buzzer With Door Release And Plate	227.65	
28 16 11 00-0234	EA	Amplifier For Intercom Type Unit	345.13	
28 16 11 00-0235	EA	Speaker With Door Release	148.52	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001	EA	Hand-Held Metal Detector	234.56	22.88
28 18 11 00-0002	EA	Walk-Through Metal Detector, Complete Unit	5,498.10	365.98

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 00 00-0001 Closed Circuit Television And Surveillance Systems (Pelco) *(28 21)*

Note: Includes programming of equipment, testing of new devices and certification.

28 21 00 00-0002 Cameras And Accessories *(28 21 00 00-0001)*

28 21 00 00-0003 Cameras *(28 21 00 00-0002)*

28 21 00 00-0004 Compact, 1/3" Format Cameras *(28 21 00 00-0003)*

28 21 00 00-0005 High Resolution Color, Compact, 1/3" Format Cameras *(28 21 00 00-0004)*

28 21 00 00-0006	EA	Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	558.82	22.91
28 21 00 00-0007	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	458.78	22.91

28 21 00 00-0008 Day/Night, Compact, 1/3" Format Cameras *(28 21 00 00-0004)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0009	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	271.48	22.91
28 21 00 00-0010		Camerapaks *(28 21 00 00-0002)* Note: Includes camera and lens.		
28 21 00 00-0011		Camerapaks *(28 21 00 00-0010)*		
28 21 00 00-0012		High Resolution Color, Camerapaks *(28 21 00 00-0011)*		
28 21 00 00-0013		Fixed Focus, High Resolution Color, Camerapaks *(28 21 00 00-0012)*		
28 21 00 00-0014		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 00 00-0013)*		
28 21 00 00-0015	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	352.72	22.91
28 21 00 00-0016	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	331.66	22.91
28 21 00 00-0017	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	321.88	22.91
28 21 00 00-0018	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	319.62	22.91
28 21 00 00-0019		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 00 00-0013)*		
28 21 00 00-0020	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	384.31	22.91
28 21 00 00-0021	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	352.72	22.91
28 21 00 00-0022	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	345.20	22.91
28 21 00 00-0023	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	339.18	22.91
28 21 00 00-0024		Varifocal, High Resolution Color, Camerapaks *(28 21 00 00-0012)*		
28 21 00 00-0025		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 00 00-0024)*		
28 21 00 00-0026	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	415.15	22.91
28 21 00 00-0027	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	374.53	22.91
28 21 00 00-0028	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	341.43	22.91
28 21 00 00-0029	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	327.90	22.91
28 21 00 00-0030	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	378.29	22.91
28 21 00 00-0031		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 00 00-0024)*		
28 21 00 00-0032	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	448.25	22.91
28 21 00 00-0033	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	420.42	22.91
28 21 00 00-0034	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	373.03	22.91
28 21 00 00-0035	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	333.16	22.91
28 21 00 00-0036	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	394.09	22.91
28 21 00 00-0037	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	445.24	22.91
28 21 00 00-0038	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	510.68	22.91
28 21 00 00-0039		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 00 00-0024)*		
28 21 00 00-0040	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	350.46	22.91
28 21 00 00-0041	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	418.91	22.91
28 21 00 00-0042		High Resolution Day/Night, Camerapaks *(28 21 00 00-0011)*		
28 21 00 00-0043		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 00 00-0042)*		
28 21 00 00-0044		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 00 00-0043)*		
28 21 00 00-0045	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	707.76	22.91
28 21 00 00-0046	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	660.37	22.91
28 21 00 00-0047	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	620.50	22.91
28 21 00 00-0048	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	681.43	22.91
28 21 00 00-0049	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	732.58	22.91
28 21 00 00-0050	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	797.27	22.91
28 21 00 00-0051		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 00 00-0043)*		
28 21 00 00-0052	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	637.80	22.91
28 21 00 00-0053	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	706.25	22.91
28 21 00 00-0054		Compact Camerapaks *(28 21 00 00-0010)*		
28 21 00 00-0055		High Resolution Color, Compact Camerapaks *(28 21 00 00-0054)*		
28 21 00 00-0056		DSS, High Resolution Color, Compact Camerapaks *(28 21 00 00-0055)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0057		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0056)*		
28 21 00 00-0058		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0057)*		
28 21 00 00-0059	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	549.04	22.91
28 21 00 00-0060	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	527.98	22.91
28 21 00 00-0061	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	517.45	22.91
28 21 00 00-0062	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	515.19	22.91
28 21 00 00-0063		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0057)*		
28 21 00 00-0064	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	579.88	22.91
28 21 00 00-0065	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	549.04	22.91
28 21 00 00-0066	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	541.52	22.91
28 21 00 00-0067	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	535.50	22.91
28 21 00 00-0068		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0056)*		
28 21 00 00-0069		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0068)*		
28 21 00 00-0070	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	611.47	22.91
28 21 00 00-0071	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	570.10	22.91
28 21 00 00-0072	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	537.76	22.91
28 21 00 00-0073	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	524.22	22.91
28 21 00 00-0074	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	573.86	22.91
28 21 00 00-0075	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	606.21	22.91
28 21 00 00-0076	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	682.93	22.91
28 21 00 00-0077		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0068)*		
28 21 00 00-0078	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	643.82	22.91
28 21 00 00-0079	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	616.74	22.91
28 21 00 00-0080	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	569.35	22.91
28 21 00 00-0081	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	528.73	22.91
28 21 00 00-0082	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	590.41	22.91
28 21 00 00-0083	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	641.56	22.91
28 21 00 00-0084	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	706.25	22.91
28 21 00 00-0085		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 00 00-0068)*		
28 21 00 00-0086	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	546.79	22.91
28 21 00 00-0087	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	615.24	22.91
28 21 00 00-0088		EDR, High Resolution Color, Compact Camerapaks *(28 21 00 00-0055)*		
28 21 00 00-0089		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0088)*		
28 21 00 00-0090		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0089)*		
28 21 00 00-0091	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	549.04	22.91
28 21 00 00-0092	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	410.64	22.91
28 21 00 00-0093	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	400.11	22.91
28 21 00 00-0094	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	397.85	22.91
28 21 00 00-0095		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0089)*		
28 21 00 00-0096	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	462.54	22.91
28 21 00 00-0097	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	431.70	22.91
28 21 00 00-0098	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	424.18	22.91
28 21 00 00-0099	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	424.18	22.91
28 21 00 00-0100		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0088)*		
28 21 00 00-0101		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0100)*		
28 21 00 00-0102	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	494.13	22.91
28 21 00 00-0103	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	452.76	22.91
28 21 00 00-0104	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	420.42	22.91
28 21 00 00-0105	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	406.88	22.91
28 21 00 00-0106	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	456.52	22.91
28 21 00 00-0107	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	488.87	22.91
28 21 00 00-0108	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	565.59	22.91

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0109		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0100)*		
28 21 00 00-0110	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	526.48	22.91
28 21 00 00-0111	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	499.40	22.91
28 21 00 00-0112	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	451.26	22.91
28 21 00 00-0113	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	411.39	22.91
28 21 00 00-0114	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	473.07	22.91
28 21 00 00-0115	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	524.22	22.91
28 21 00 00-0116	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	588.91	22.91
28 21 00 00-0117		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 00 00-0100)*		
28 21 00 00-0118	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	429.44	22.91
28 21 00 00-0119	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	497.89	22.91
28 21 00 00-0120		High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0054)*		
28 21 00 00-0121		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0120)*		
28 21 00 00-0122		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0121)*		
28 21 00 00-0123	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	506.92	22.91
28 21 00 00-0124		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0121)*		
28 21 00 00-0125	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	571.61	22.91
28 21 00 00-0126	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	540.02	22.91
28 21 00 00-0127		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0120)*		
28 21 00 00-0128		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0127)*		
28 21 00 00-0129	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	528.73	22.91
28 21 00 00-0130	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	515.19	22.91
28 21 00 00-0131	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	597.93	22.91
28 21 00 00-0132		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0127)*		
28 21 00 00-0133	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	607.71	22.91
28 21 00 00-0134	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	560.32	22.91
28 21 00 00-0135	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	520.46	22.91
28 21 00 00-0136	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	581.39	22.91
28 21 00 00-0137	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	632.54	22.91
28 21 00 00-0138	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	697.98	22.91
28 21 00 00-0139		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 00 00-0127)*		
28 21 00 00-0140	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	537.76	22.91
28 21 00 00-0141	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	606.21	22.91
28 21 00 00-0142		Camera Systems *(28 21 00 00-0002)*		
28 21 00 00-0143		Camera Dome Systems *(28 21 00 00-0142)*		
28 21 00 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 00 00-0143)*		
28 21 00 00-0145		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 00 00-0144)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0146		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0145)*		
28 21 00 00-0147		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0146)*		
28 21 00 00-0148	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,251.68	137.45
28 21 00 00-0149	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,560.08	137.45
28 21 00 00-0150	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,698.49	137.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0151	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,733.52	137.45
28 21 00 00-0152		**Color, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0146)*		
28 21 00 00-0153	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,901.91	137.45
28 21 00 00-0154	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,057.61	137.45
28 21 00 00-0155	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,196.77	137.45
28 21 00 00-0156	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,276.50	137.45
28 21 00 00-0157	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,276.50	137.45
28 21 00 00-0158	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,384.07	137.45
28 21 00 00-0159	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,693.22	137.45
28 21 00 00-0160	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,832.38	137.45
28 21 00 00-0161	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,912.11	137.45
28 21 00 00-0162	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,912.11	137.45
28 21 00 00-0163		**Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0146)*		
28 21 00 00-0164	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,769.95	137.45
28 21 00 00-0165	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	3,079.10	137.45
28 21 00 00-0166	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,218.26	137.45
28 21 00 00-0167	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,297.99	137.45
28 21 00 00-0168	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,297.99	137.45
28 21 00 00-0169		**Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0146)*		
28 21 00 00-0170	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,517.21	137.45
28 21 00 00-0171	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,673.67	137.45
28 21 00 00-0172	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,812.07	137.45
28 21 00 00-0173	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,891.80	137.45
28 21 00 00-0174	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,891.80	137.45
28 21 00 00-0175	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	3,023.44	137.45
28 21 00 00-0176	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,269.41	137.45
28 21 00 00-0177	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,407.81	137.45
28 21 00 00-0178	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,487.55	137.45
28 21 00 00-0179	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,487.55	137.45
28 21 00 00-0180		**Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0145)*		
28 21 00 00-0181		**Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0180)*		
28 21 00 00-0182	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	2,463.80	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0183	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	2,597.69	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0184	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,704.51	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0185	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	3,052.77	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0186	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	3,186.67	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0187	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,294.23	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0188		**Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0180)*		
28 21 00 00-0189	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	3,079.10	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0190	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,212.99	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0191	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	3,320.56	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0192	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,628.96	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0193	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,762.10	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0194	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	3,869.66	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0195		**Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0145)*		
28 21 00 00-0196		**Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 00 00-0195)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0197	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	4,066.74	137.45
28 21 00 00-0198	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	4,616.60	137.45
28 21 00 00-0199		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0145)*		
28 21 00 00-0200		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0199)*		
28 21 00 00-0201	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,538.70	137.45
28 21 00 00-0202		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0199)*		
28 21 00 00-0203	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	3,082.86	137.45
28 21 00 00-0204	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	3,672.59	137.45
28 21 00 00-0205		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0199)*		
28 21 00 00-0206	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	4,058.47	137.45
28 21 00 00-0207		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 00 00-0199)*		
28 21 00 00-0208	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	3,698.91	137.45
28 21 00 00-0209	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	4,248.02	137.45
28 21 00 00-0210		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 00 00-0145)*		
28 21 00 00-0211		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 00 00-0210)*		
28 21 00 00-0212	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,431.03	137.45
28 21 00 00-0213		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0144)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0214		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0213)*		
28 21 00 00-0215		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0214)*		
28 21 00 00-0216	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	2,619.51	137.45
28 21 00 00-0217	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	2,758.66	137.45
28 21 00 00-0218	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	2,838.40	137.45
28 21 00 00-0219	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	2,838.40	137.45
28 21 00 00-0220	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	3,255.12	137.45
28 21 00 00-0221	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	3,394.27	137.45
28 21 00 00-0222	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	3,474.01	137.45
28 21 00 00-0223	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,474.01	137.45
28 21 00 00-0224		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0214)*		
28 21 00 00-0225	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	3,641.00	137.45
28 21 00 00-0226	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,780.15	137.45
28 21 00 00-0227	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	3,859.89	137.45
28 21 00 00-0228	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	3,859.89	137.45
28 21 00 00-0229		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0213)*		
28 21 00 00-0230		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0229)*		
28 21 00 00-0231	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	3,025.70	137.45
		For Protective Lower Dome Cage, Add	*34.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0232	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	3,159.59	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0233	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	3,266.40	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0234	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	3,614.67	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0235	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	3,748.56	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0236	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	3,856.12	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0237		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0229)*		
28 21 00 00-0238	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,641.00	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0239	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,774.89	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0240	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,882.45	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0241	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	4,190.85	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0242	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,323.99	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0243	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,431.56	137.45
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 00 00-0244		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 00 00-0213)*		
28 21 00 00-0245		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 00 00-0244)*		
28 21 00 00-0246	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,644.76	137.45
28 21 00 00-0247	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,234.48	137.45
28 21 00 00-0248		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 00 00-0244)*		
28 21 00 00-0249	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,620.36	137.45
28 21 00 00-0250		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 00 00-0244)*		
28 21 00 00-0251	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	4,260.81	137.45
28 21 00 00-0252	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,809.91	137.45
28 21 00 00-0253		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 00 00-0213)*		
28 21 00 00-0254		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 00 00-0253)*		
28 21 00 00-0255	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	1,793.59	137.45
28 21 00 00-0256		Spectra®, Pan/Tilt Dome Drives *(28 21 00 00-0144)* Note: Includes dome drive, camera and lens.		
28 21 00 00-0257	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,328.81	114.54
28 21 00 00-0258	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,689.86	114.54
28 21 00 00-0259	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,135.92	114.54
28 21 00 00-0260	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,680.08	114.54
28 21 00 00-0261	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,269.06	114.54
28 21 00 00-0262	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,295.38	114.54
28 21 00 00-0263	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,654.93	114.54
28 21 00 00-0264	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,845.24	114.54
28 21 00 00-0265	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,845.24	114.54
28 21 00 00-0266		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 00 00-0144)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0267	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	106.06	
28 21 00 00-0268	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	138.40	
28 21 00 00-0269	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	116.18	11.45
28 21 00 00-0270	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	291.45	11.45
28 21 00 00-0271	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	113.17	11.45
28 21 00 00-0272	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	252.51	11.45
28 21 00 00-0273	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	60.04	6.81
28 21 00 00-0274		Camclosure®, Camera Dome Systems *(28 21 00 00-0143)*		
28 21 00 00-0275		Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0274)*		
28 21 00 00-0276		Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0275)*		
28 21 00 00-0277		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0276)*		
28 21 00 00-0278	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	541.93	137.45
28 21 00 00-0279	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	587.06	137.45
28 21 00 00-0280	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	651.00	137.45
28 21 00 00-0281	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	651.00	137.45
28 21 00 00-0282		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0276)*		
28 21 00 00-0283	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	659.27	137.45
28 21 00 00-0284	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	717.95	137.45
28 21 00 00-0285	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	717.95	137.45
28 21 00 00-0286		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0276)*		
28 21 00 00-0287	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	754.05	137.45
28 21 00 00-0288	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	899.23	137.45
28 21 00 00-0289	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	899.23	137.45
28 21 00 00-0290		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 00 00-0276)*		
28 21 00 00-0291	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	823.25	137.45
28 21 00 00-0292	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	916.53	137.45
28 21 00 00-0293		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 00 00-0275)*		
28 21 00 00-0294		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 00 00-0293)*		
28 21 00 00-0295	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	592.47	91.63
28 21 00 00-0296		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 00 00-0293)*		
28 21 00 00-0297	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	677.47	91.63
28 21 00 00-0298		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 00 00-0293)*		
28 21 00 00-0299	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	745.16	91.63
28 21 00 00-0300		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 00 00-0293)*		
28 21 00 00-0301	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	779.01	91.63
28 21 00 00-0302		Camclosure® IS Integrated Cameras *(28 21 00 00-0275)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0303	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	419.46	91.63
28 21 00 00-0304	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	419.46	91.63
28 21 00 00-0305	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	486.41	91.63
28 21 00 00-0306	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	667.69	91.63
28 21 00 00-0307	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	684.99	91.63
28 21 00 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 00 00-0274)*		
28 21 00 00-0309		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 00 00-0308)*		
28 21 00 00-0310		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 00 00-0309)*		
28 21 00 00-0311	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	467.46	137.45
28 21 00 00-0312	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	499.81	137.45
28 21 00 00-0313	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	629.19	137.45
28 21 00 00-0314	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	629.19	137.45
28 21 00 00-0315		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 00 00-0309)*		
28 21 00 00-0316	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	774.36	137.45
28 21 00 00-0317		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 00 00-0308)*		
28 21 00 00-0318		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 00 00-0317)*		
28 21 00 00-0319	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	537.56	91.63
28 21 00 00-0320		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 00 00-0308)*		
28 21 00 00-0321		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 00 00-0320)*		
28 21 00 00-0322	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	717.95	137.45
28 21 00 00-0323		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 00 00-0320)*		
28 21 00 00-0324	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	785.64	137.45
28 21 00 00-0325		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 00 00-0320)*		
28 21 00 00-0326	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	870.64	137.45
28 21 00 00-0327		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 00 00-0320)*		
28 21 00 00-0328	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	904.49	137.45
28 21 00 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0274)*		
28 21 00 00-0330		Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0329)*		
28 21 00 00-0331		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0330)*		
28 21 00 00-0332	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,277.58	137.45
28 21 00 00-0333	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,277.58	137.45
28 21 00 00-0334		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0330)*		
28 21 00 00-0335	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,370.86	137.45
28 21 00 00-0336	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,370.86	137.45

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0337		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0330)*		
28 21 00 00-0338	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,514.53	137.45
28 21 00 00-0339	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,514.53	137.45
28 21 00 00-0340		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 00 00-0330)*		
28 21 00 00-0341	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,616.07	137.45
28 21 00 00-0342	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,616.07	137.45
28 21 00 00-0343		Accessories For Camclosure® Camera Dome Systems *(28 21 00 00-0274)*		
28 21 00 00-0344	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	27.29	6.87
28 21 00 00-0345	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	27.29	6.87
28 21 00 00-0346	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	36.45	11.45
28 21 00 00-0347	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	57.51	11.45
28 21 00 00-0348	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	58.88	6.87
28 21 00 00-0349	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	57.51	11.45
28 21 00 00-0350	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	72.56	11.45
28 21 00 00-0351	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	193.25	22.91
28 21 00 00-0352	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	193.25	22.91
28 21 00 00-0353	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	193.25	22.91
28 21 00 00-0354	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	193.25	22.91
28 21 00 00-0355	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	68.79	11.45
28 21 00 00-0356	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	79.67	22.91
28 21 00 00-0357	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	79.67	22.91
28 21 00 00-0358	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	79.67	22.91
28 21 00 00-0359	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	79.67	22.91
28 21 00 00-0360	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	79.67	22.91
28 21 00 00-0361	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	79.67	22.91
28 21 00 00-0362	EA	Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC)	231.21	31.29
28 21 00 00-0363	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	231.21	31.29
28 21 00 00-0364	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	49.24	11.45
28 21 00 00-0365	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	83.09	11.45
28 21 00 00-0366	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	49.24	11.45
28 21 00 00-0367	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	83.09	11.45
28 21 00 00-0368	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,192.58	137.45
28 21 00 00-0369		Pan/Tilt Camera Systems *(28 21 00 00-0142)*		
28 21 00 00-0370		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
		Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 00 00-0371		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 00 00-0370)*		
28 21 00 00-0372		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 00 00-0371)*		
28 21 00 00-0373	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,355.71	206.18
28 21 00 00-0374	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,807.78	206.18
28 21 00 00-0375	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,434.36	206.18
28 21 00 00-0376	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,452.74	206.18
28 21 00 00-0377	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,925.12	206.18
28 21 00 00-0378	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,551.71	206.18
28 21 00 00-0379		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 00 00-0371)*		
28 21 00 00-0380	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,386.55	206.18
28 21 00 00-0381	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	3,838.62	206.18
28 21 00 00-0382	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	4,465.20	206.18
28 21 00 00-0383	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,484.33	206.18
28 21 00 00-0384	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,955.96	206.18
28 21 00 00-0385	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,582.55	206.18

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0386		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0387		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 00 00-0386)*		
28 21 00 00-0388		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 00 00-0387)*		
28 21 00 00-0389	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	3,473.05	206.18
28 21 00 00-0390	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	3,925.12	206.18
28 21 00 00-0391	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	4,551.71	206.18
28 21 00 00-0392	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	3,570.09	206.18
28 21 00 00-0393	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	4,042.47	206.18
28 21 00 00-0394	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	4,669.05	206.18
28 21 00 00-0395		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 00 00-0387)*		
28 21 00 00-0396	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	3,503.89	206.18
28 21 00 00-0397	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	3,955.96	206.18
28 21 00 00-0398	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	4,582.55	206.18
28 21 00 00-0399	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	3,601.68	206.18
28 21 00 00-0400	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	4,073.31	206.18
28 21 00 00-0401	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	4,699.89	206.18
28 21 00 00-0402		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0403		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 00 00-0402)*		
28 21 00 00-0404		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 00 00-0403)*		
28 21 00 00-0405	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	3,276.73	206.18
28 21 00 00-0406	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	3,728.80	206.18
28 21 00 00-0407	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	4,355.38	206.18
28 21 00 00-0408	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	3,374.51	206.18
28 21 00 00-0409	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	3,846.14	206.18
28 21 00 00-0410	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	4,472.73	206.18
28 21 00 00-0411		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 00 00-0403)*		
28 21 00 00-0412	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,308.32	206.18
28 21 00 00-0413	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	3,759.64	206.18
28 21 00 00-0414	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	4,386.97	206.18
28 21 00 00-0415	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	3,330.13	206.18
28 21 00 00-0416	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,405.35	206.18
28 21 00 00-0417	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	3,876.98	206.18
28 21 00 00-0418	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	4,504.32	206.18
28 21 00 00-0419		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0420		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 00 00-0419)*		
28 21 00 00-0421		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 00 00-0420)*		
28 21 00 00-0422	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,916.10	206.18
28 21 00 00-0423	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,542.68	206.18
28 21 00 00-0424	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,561.81	206.18
28 21 00 00-0425	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	4,033.44	206.18
28 21 00 00-0426	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,660.02	206.18

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0427		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 00 00-0420)*		
28 21 00 00-0428	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,495.62	206.18
28 21 00 00-0429	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,946.94	206.18
28 21 00 00-0430	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,574.27	206.18
28 21 00 00-0431	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,592.65	206.18
28 21 00 00-0432	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	4,064.28	206.18
28 21 00 00-0433	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,691.62	206.18
28 21 00 00-0434		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0435		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 00 00-0434)*		
28 21 00 00-0436		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 00 00-0435)*		
28 21 00 00-0437	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,642.72	206.18
28 21 00 00-0438	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,661.10	206.18
28 21 00 00-0439	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,760.07	206.18
28 21 00 00-0440		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 00 00-0435)*		
28 21 00 00-0441	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,594.91	206.18
28 21 00 00-0442	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,674.32	206.18
28 21 00 00-0443	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,692.69	206.18
28 21 00 00-0444	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	4,164.32	206.18
28 21 00 00-0445	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,791.66	206.18
28 21 00 00-0446		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0447		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0446)*		
28 21 00 00-0448		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0447)*		
28 21 00 00-0449	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,910.08	206.18
28 21 00 00-0450		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0447)*		
28 21 00 00-0451	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,940.92	206.18
28 21 00 00-0452		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0446)*		
28 21 00 00-0453		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0452)*		
28 21 00 00-0454	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,642.72	206.18
28 21 00 00-0455	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,489.27	206.18
28 21 00 00-0456	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	5,102.32	206.18
28 21 00 00-0457		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 00 00-0452)*		
28 21 00 00-0458	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,672.81	206.18
28 21 00 00-0459	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,489.27	206.18
28 21 00 00-0460	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	5,136.17	206.18
28 21 00 00-0461		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0462		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 00 00-0461)*		
28 21 00 00-0463		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 00 00-0462)*		
28 21 00 00-0464	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	3,008.19	206.18
28 21 00 00-0465	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	3,741.59	206.18
28 21 00 00-0466	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	3,590.39	206.18
28 21 00 00-0467	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	4,068.04	206.18
28 21 00 00-0468		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 00 00-0462)*		
28 21 00 00-0469	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	3,038.28	206.18
28 21 00 00-0470	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,772.43	206.18

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0471	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,621.24	206.18
28 21 00 00-0472	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	4,101.89	206.18
28 21 00 00-0473		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0474		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 00 00-0473)*		
28 21 00 00-0475		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 00 00-0474)*		
28 21 00 00-0476	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	19,297.84	206.18
28 21 00 00-0477	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	20,751.84	206.18
28 21 00 00-0478	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	21,240.02	206.18
28 21 00 00-0479		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 00 00-0474)*		
28 21 00 00-0480	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	19,329.43	206.18
28 21 00 00-0481	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	20,782.68	206.18
28 21 00 00-0482	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	21,270.86	206.18
28 21 00 00-0483		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 00 00-0369)*		
28 21 00 00-0484	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	8.58	2.29
28 21 00 00-0485	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	49.24	11.45
28 21 00 00-0486	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	76.32	11.45
28 21 00 00-0487	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	96.63	11.45
28 21 00 00-0488	EA	Ground Isolation Transformer (Pelco GIT100)	283.86	31.29
28 21 00 00-0489	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	473.75	31.29
28 21 00 00-0490	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	338.77	31.29
28 21 00 00-0491	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	553.55	31.29
28 21 00 00-0492	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	263.55	31.29
28 21 00 00-0493	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	802.75	31.29
28 21 00 00-0494	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,046.59	31.29
28 21 00 00-0495	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,242.92	31.29
28 21 00 00-0496	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,287.30	31.29
28 21 00 00-0497	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,357.25	31.29
28 21 00 00-0498	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,085.15	31.29
28 21 00 00-0499	EA	115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5)	2,085.15	31.29
28 21 00 00-0500	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,110.15	31.29
28 21 00 00-0501	EA	120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N)	2,110.35	31.29
28 21 00 00-0502	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,134.15	31.29
28 21 00 00-0503	EA	120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W)	2,134.15	31.29
28 21 00 00-0504	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,241.94	31.29
28 21 00 00-0505	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,359.28	31.29
28 21 00 00-0506	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	91.77	7.37
28 21 00 00-0507	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	91.77	7.37
28 21 00 00-0508		Camera Lenses *(28 21 00 00-0002)*		
28 21 00 00-0509		Fixed Focus Camera Lenses *(28 21 00 00-0508)* Note: 1/3" format and manual focus.		
28 21 00 00-0510		Manual Iris, Fixed Focus Camera Lenses *(28 21 00 00-0509)*		
28 21 00 00-0511	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	124.24	10.75
28 21 00 00-0512	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	103.18	10.75
28 21 00 00-0513	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	92.65	10.75
28 21 00 00-0514	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	90.39	10.75
28 21 00 00-0515		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 00 00-0509)* Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0516	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	155.08	10.75
28 21 00 00-0517	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	124.24	10.75
28 21 00 00-0518	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	116.72	10.75
28 21 00 00-0519	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	83.62	10.75
28 21 00 00-0520		Video Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 00 00-0509)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0521	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	182.91	10.75
28 21 00 00-0522	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	151.32	10.75
28 21 00 00-0523	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	143.79	10.75
28 21 00 00-0524	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	137.78	10.75
28 21 00 00-0525		Varifocal Camera Lenses *(28 21 00 00-0508)* Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0526		Manual Iris, Varifocal Camera Lenses *(28 21 00 00-0525)*		
28 21 00 00-0527	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	43.00	10.75
28 21 00 00-0528	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	145.30	10.75

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0529	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	112.95	10.75
28 21 00 00-0530	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	99.42	10.75
28 21 00 00-0531	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	258.13	10.75
28 21 00 00-0532	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	43.00	10.75
28 21 00 00-0533	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	43.00	10.75
28 21 00 00-0534		Direct Drive Auto Iris, Varifocal Camera Lenses *(28 21 00 00-0525)*		
		Note: Includes spot filter.		
28 21 00 00-0535	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	43.00	10.75
28 21 00 00-0536	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	43.00	10.75
28 21 00 00-0537	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	43.00	10.75
28 21 00 00-0538	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	43.00	10.75
28 21 00 00-0539	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	281.45	10.75
28 21 00 00-0540	EA	5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40)	43.00	10.75
28 21 00 00-0541	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	43.00	10.75
28 21 00 00-0542		Video Drive Auto Iris, Varifocal Camera Lenses *(28 21 00 00-0525)*		
		Note: Includes spot filter.		
28 21 00 00-0543	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	246.85	10.75
28 21 00 00-0544	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	219.01	10.75
28 21 00 00-0545	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	131.76	10.75
28 21 00 00-0546	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	243.84	10.75
28 21 00 00-0547		Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses *(28 21 00 00-0525)*		
28 21 00 00-0548	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	43.00	10.75
28 21 00 00-0549	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	43.00	10.75
28 21 00 00-0550		Motorized Zoom Camera Lenses *(28 21 00 00-0508)*		
		Note: 1/3" format.		
28 21 00 00-0551		Manual Iris, Motorized Zoom Camera Lenses *(28 21 00 00-0550)*		
28 21 00 00-0552	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	447.68	10.75
28 21 00 00-0553	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	559.01	10.75
28 21 00 00-0554	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	595.87	10.75
28 21 00 00-0555		Direct Drive Auto Iris, Motorized Zoom Camera Lenses *(28 21 00 00-0550)*		
		Note: Includes spot filter.		
28 21 00 00-0556	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	43.00	10.75
28 21 00 00-0557	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	43.00	10.75
28 21 00 00-0558	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	658.30	10.75
28 21 00 00-0559	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	43.00	10.75
28 21 00 00-0560	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	43.00	10.75
28 21 00 00-0561		Video Drive Auto Iris, Motorized Zoom Camera Lenses *(28 21 00 00-0550)*		
		Note: Includes spot filter.		
28 21 00 00-0562	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	458.97	10.75
28 21 00 00-0563	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	546.22	10.75
28 21 00 00-0564	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	686.13	10.75
28 21 00 00-0565	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	998.29	10.75
28 21 00 00-0566	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,624.88	10.75
28 21 00 00-0567		Camera Power Supplies *(28 21 00 00-0002)*		
28 21 00 00-0568	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	31.86	9.16
28 21 00 00-0569	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	54.43	9.16
28 21 00 00-0570	EA	2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	264.15	18.32
28 21 00 00-0571	EA	5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	303.48	27.49
28 21 00 00-0572	EA	10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	340.71	36.65
		For Switchable Outputs, Add	*160.44*	
28 21 00 00-0573	EA	20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	380.03	45.82
		For Switchable Outputs, Add	*173.04*	
28 21 00 00-0574		Camera Illuminators *(28 21 00 00-0002)*		
28 21 00 00-0575		Camera Illuminators *(28 21 00 00-0574)*		
		Note: Includes lamp and mounting bracket.		
28 21 00 00-0576	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,189.02	18.32
28 21 00 00-0577	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,189.02	18.32
28 21 00 00-0578	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,189.02	18.32
28 21 00 00-0579		Camera Illuminator Accessories *(28 21 00 00-0574)*		
28 21 00 00-0580	EA	Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	100.59	18.32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0581		**Camera Receivers** *(28 21 00 00-0002)*		
28 21 00 00-0582	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,157.92	31.29
28 21 00 00-0583	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,157.92	31.29
28 21 00 00-0584		**Pan And Tilt Drives** *(28 21 00 00-0002)*		
28 21 00 00-0585	EA	15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	824.21	68.72
28 21 00 00-0586	EA	40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,043.85	68.72
		For Preset Positioning, Add	*165.00*	
28 21 00 00-0587	EA	100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,196.22	68.72
		For Preset Positioning, Add	*165.00*	
28 21 00 00-0588	EA	100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,508.38	68.72
		For Preset Positioning, Add	*165.00*	
28 21 00 00-0589	EA	100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	2,901.03	68.72
		For Preset Positioning, Add	*165.00*	
28 21 00 00-0590	EA	100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	3,735.97	68.72
		For Preset Positioning, Add	*165.00*	
28 21 00 00-0591		**Scanners** *(28 21 00 00-0002)*		
28 21 00 00-0592	EA	35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	939.30	68.72
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 00 00-0593	EA	35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	986.68	68.72
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 00 00-0594		**Camera Monitors** *(28 21 00 00-0001)*		
28 21 00 00-0595		**Camera Monitors** *(28 21 00 00-0594)*		
28 21 00 00-0596		**Monochrome Camera Monitors** *(28 21 00 00-0595)*		
28 21 00 00-0597	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	183.20	13.75
28 21 00 00-0598	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	209.52	13.75
28 21 00 00-0599	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	320.85	13.75
28 21 00 00-0600	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	515.67	13.75
28 21 00 00-0601		**Color Camera Monitors** *(28 21 00 00-0595)*		
28 21 00 00-0602	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	581.86	13.75
28 21 00 00-0603	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	472.04	13.75
28 21 00 00-0604	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	685.67	13.75
28 21 00 00-0605	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	911.33	13.75
28 21 00 00-0606		**LCD Camera Monitors** *(28 21 00 00-0594)*		
28 21 00 00-0607		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 00 00-0606)*		
		Note: Displays VGA computer signals.		
28 21 00 00-0608	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	657.83	13.75
28 21 00 00-0609	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	856.41	13.75
28 21 00 00-0610		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 00 00-0606)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0611	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	748.10	13.75
28 21 00 00-0612	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	895.53	13.75
28 21 00 00-0613	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,101.63	13.75
28 21 00 00-0614		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 00 00-0606)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0615	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	960.22	13.75
28 21 00 00-0616	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,113.67	13.75
28 21 00 00-0617	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,397.25	13.75
28 21 00 00-0618		**Camera Monitor Mounting Accessories** *(28 21 00 00-0594)*		
28 21 00 00-0619		**Camera Monitor Mounts** *(28 21 00 00-0618)*		
28 21 00 00-0620	EA	Up To 14", Camera Monitor Mount (Pelco)	224.70	18.32
28 21 00 00-0621	EA	>14" To 17", Camera Monitor Mount (Pelco)	261.56	18.32
28 21 00 00-0622	EA	>17" To 21", Camera Monitor Mount (Pelco)	306.69	18.32
28 21 00 00-0623		**Camera Monitor Rack Mount Kits** *(28 21 00 00-0618)*		
28 21 00 00-0624	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	136.69	18.32

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0625		Video Transmission Equipment *(28 21 00 00-0001)*		
28 21 00 00-0626		UTP Cable, Video Transmission Equipment *(28 21 00 00-0625)*		
28 21 00 00-0627		UTP Cable, Active Video Receivers *(28 21 00 00-0626)*		
28 21 00 00-0628	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	282.76	22.91
28 21 00 00-0629	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	969.52	22.91
28 21 00 00-0630	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,906.01	22.91
28 21 00 00-0631	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,129.84	22.91
28 21 00 00-0632	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,654.12	22.91
28 21 00 00-0633		UTP Cable, Passive Video Transceivers *(28 21 00 00-0626)*		
28 21 00 00-0634	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	84.18	22.91
28 21 00 00-0635	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	282.76	22.91
28 21 00 00-0636	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	520.46	22.91
28 21 00 00-0637	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	988.33	22.91
28 21 00 00-0638	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,931.59	22.91
28 21 00 00-0639		UTP Cable, Active Video Transmitters *(28 21 00 00-0626)*		
28 21 00 00-0640	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	295.55	22.91
28 21 00 00-0641		Fiber Optics, Video Transmission Equipment *(28 21 00 00-0625)*		
28 21 00 00-0642		Data Only, Fiber Optics Transmission Equipment *(28 21 00 00-0641)*		
28 21 00 00-0643		Bidirectional Data, Fiber Optics Transmitters *(28 21 00 00-0642)*		
28 21 00 00-0644	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,707.36	45.82
28 21 00 00-0645	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	700.91	45.82
28 21 00 00-0646	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,249.27	45.82
28 21 00 00-0647	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	863.39	45.82
28 21 00 00-0648		Bidirectional Data, Fiber Optics Receivers *(28 21 00 00-0642)*		
28 21 00 00-0649	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,707.36	45.82
28 21 00 00-0650	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	700.91	45.82
28 21 00 00-0651	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,249.27	45.82
28 21 00 00-0652	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	863.39	45.82
28 21 00 00-0653		Video Only, Fiber Optics Transmission Equipment *(28 21 00 00-0641)*		
28 21 00 00-0654		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 00 00-0653)*		
28 21 00 00-0655	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	761.09	45.82
28 21 00 00-0656	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	335.34	45.82
28 21 00 00-0657	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,099.25	45.82
28 21 00 00-0658	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,264.31	45.82
28 21 00 00-0659	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,435.16	45.82
28 21 00 00-0660	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,857.47	45.82
28 21 00 00-0661	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,520.03	45.82
28 21 00 00-0662	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,583.54	45.82
28 21 00 00-0663		Digitally Encoded Video, Fiber Optics Receivers *(28 21 00 00-0653)*		
28 21 00 00-0664	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	761.09	45.82
28 21 00 00-0665	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	335.34	45.82
28 21 00 00-0666	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,295.15	45.82
28 21 00 00-0667	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	528.66	45.82
28 21 00 00-0668	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,099.25	45.82
28 21 00 00-0669	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,264.31	45.82
28 21 00 00-0670	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,435.16	45.82
28 21 00 00-0671	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,857.47	45.82
28 21 00 00-0672	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,520.03	45.82
28 21 00 00-0673	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,583.54	45.82
28 21 00 00-0674		Video And Data, Fiber Optics Transmission Equipment *(28 21 00 00-0641)*		
28 21 00 00-0675		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 00 00-0674)*		
28 21 00 00-0676	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,307.94	45.82
28 21 00 00-0677	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	782.15	45.82
28 21 00 00-0678	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	3,037.25	45.82
28 21 00 00-0679	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,630.31	45.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0680	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,912.48	45.82
28 21 00 00-0681	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,563.03	45.82
28 21 00 00-0682		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 00 00-0674)*		
28 21 00 00-0683	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,307.94	45.82
28 21 00 00-0684	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	782.15	45.82
28 21 00 00-0685	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	3,037.25	45.82
28 21 00 00-0686	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	2,630.31	45.82
28 21 00 00-0687	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,912.48	45.82
28 21 00 00-0688	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	3,563.03	45.82
28 21 00 00-0689		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 00 00-0641)*		
28 21 00 00-0690		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 00 00-0689)*		
28 21 00 00-0691	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	1,683.29	45.82
28 21 00 00-0692	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,340.28	45.82
28 21 00 00-0693		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 00 00-0689)*		
28 21 00 00-0694	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	1,683.29	45.82
28 21 00 00-0695	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,340.28	45.82
28 21 00 00-0696		Video Amplifiers *(28 21 00 00-0625)*		
28 21 00 00-0697		Video Distribution Amplifiers *(28 21 00 00-0696)*		
28 21 00 00-0698	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	208.70	11.45
28 21 00 00-0699	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	1,686.02	11.45
28 21 00 00-0700		Video Equalizing Amplifiers *(28 21 00 00-0696)*		
28 21 00 00-0701	EA	Video Equalizing Amplifier (Pelco EA2010)	226.76	11.45
28 21 00 00-0702	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	355.38	11.45
28 21 00 00-0703		Network Video Equipment *(28 21 00 00-0001)*		
28 21 00 00-0704		Video Encoders/Decoders *(28 21 00 00-0703)*		
28 21 00 00-0705	EA	MPEG4 IP Video Receiver (Pelco NET300R)	840.82	22.91
28 21 00 00-0706	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	840.82	22.91
28 21 00 00-0707	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	967.19	22.91
28 21 00 00-0708	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	967.19	22.91
28 21 00 00-0709		Network Video Recorders *(28 21 00 00-0703)*		
28 21 00 00-0710	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	5,301.37	45.82
28 21 00 00-0711	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	6,168.65	45.82
28 21 00 00-0712	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	7,904.73	45.82
28 21 00 00-0713	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	5,235.93	45.82
28 21 00 00-0714		Network Video Recorder Software *(28 21 00 00-0703)*		
28 21 00 00-0715	EA	10 User, License Pack (Pelco VMX300-LIC-10)	523.53	
28 21 00 00-0716	EA	20 User, License Pack (Pelco VMX300-LIC-20)	944.01	
28 21 00 00-0717	EA	50 User, License Pack (Pelco VMX300-LIC-50)	2,096.38	
28 21 00 00-0718	EA	100 User, License Pack (Pelco VMX300-LIC-100)	3,666.98	
28 21 00 00-0719	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	874.06	
28 21 00 00-0720	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	1,572.10	
28 21 00 00-0721	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	3,493.97	
28 21 00 00-0722	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	6,113.13	
28 21 00 00-0723	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	10,478.90	
28 21 00 00-0724	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	21,830.35	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0725	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	4,718.84	
28 21 00 00-0726	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	5,009.95	
28 21 00 00-0727	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	7,921.71	
28 21 00 00-0728	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	5,243.13	
28 21 00 00-0729	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,534.23	
28 21 00 00-0730	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	8,444.49	
28 21 00 00-0731	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	5,068.62	
28 21 00 00-0732	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	5,360.47	
28 21 00 00-0733	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	8,271.49	
28 21 00 00-0734	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	5,941.17	
28 21 00 00-0735	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	6,232.27	
28 21 00 00-0736	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	9,144.04	
28 21 00 00-0737		Video Recording Equipment *(28 21 00 00-0001)*		
28 21 00 00-0738		Digital Video Recorders *(28 21 00 00-0737)*		
28 21 00 00-0739	EA	8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,268.60	45.82
28 21 00 00-0740	EA	8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	5,766.98	45.82
28 21 00 00-0741	EA	8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,265.36	45.82
28 21 00 00-0742	EA	16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,892.92	45.82
28 21 00 00-0743	EA	16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,391.31	45.82
28 21 00 00-0744	EA	16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,889.69	45.82
28 21 00 00-0745	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	8,298.88	45.82
28 21 00 00-0746	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	11,378.39	45.82
28 21 00 00-0747	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	14,458.65	45.82
28 21 00 00-0748	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,990.58	45.82
28 21 00 00-0749	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	13,070.09	45.82
28 21 00 00-0750	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	16,150.35	45.82
28 21 00 00-0751	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,921.05	45.82
28 21 00 00-0752	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	14,000.56	45.82
28 21 00 00-0753	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	17,080.82	45.82
28 21 00 00-0754	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,612.75	45.82
28 21 00 00-0755	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	15,692.26	45.82
28 21 00 00-0756	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	18,772.52	45.82
28 21 00 00-0757	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	9,160.38	45.82
28 21 00 00-0758		Digital Video Recorder Accessories *(28 21 00 00-0737)*		
28 21 00 00-0759	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	813.74	22.91
28 21 00 00-0760		Matrix Systems And Controls *(28 21 00 00-0001)*		
28 21 00 00-0761		Video Multiplexers *(28 21 00 00-0760)*		
28 21 00 00-0762		Monochrome Duplex, Video Multiplexers *(28 21 00 00-0761)*		
28 21 00 00-0763	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,531.34	45.82
28 21 00 00-0764	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,447.85	45.82
28 21 00 00-0765		Color Duplex, Video Multiplexers *(28 21 00 00-0761)*		
28 21 00 00-0766	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,037.15	45.82
28 21 00 00-0767	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,970.63	45.82
28 21 00 00-0768	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,135.36	45.82
28 21 00 00-0769		Color Simplex, Video Multiplexers *(28 21 00 00-0761)*		
28 21 00 00-0770	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,657.71	45.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0771	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,934.52	45.82
28 21 00 00-0772		**Video Multiplexer Accessories** *(28 21 00 00-0761)*		
28 21 00 00-0773	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	919.47	31.29
28 21 00 00-0774	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	544.88	31.29
28 21 00 00-0775	EA	Video Multiplexer Server (Pelco MX4000SVR)	1,531.34	45.82
28 21 00 00-0776		**Quad Video Processor** *(28 21 00 00-0760)*		
28 21 00 00-0777	EA	Monochrome, Quad Video Processor (Pelco QD104M)	475.33	22.91
28 21 00 00-0778	EA	Color, Quad Video Processor (Pelco QD104C)	776.21	22.91
28 21 00 00-0779		**Switcher** *(28 21 00 00-0760)*		
28 21 00 00-0780		**Terminating Manual Switchers** *(28 21 00 00-0779)*		
28 21 00 00-0781		**Terminating Manual Switchers** *(28 21 00 00-0780)*		
28 21 00 00-0782	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	166.78	18.32
28 21 00 00-0783	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	225.45	18.32
28 21 00 00-0784	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	273.59	18.32
28 21 00 00-0785	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	445.85	18.32
28 21 00 00-0786		**Audio Follow, Terminating Manual Switchers** *(28 21 00 00-0780)*		
28 21 00 00-0787	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	214.92	18.32
28 21 00 00-0788	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	376.64	18.32
28 21 00 00-0789	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	655.71	18.32
28 21 00 00-0790		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 00 00-0780)*		
28 21 00 00-0791	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	286.38	18.32
28 21 00 00-0792	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	522.57	18.32
28 21 00 00-0793		**Looping Manual Switchers** *(28 21 00 00-0779)*		
28 21 00 00-0794		**Looping Manual Switchers** *(28 21 00 00-0793)*		
28 21 00 00-0795	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	186.34	18.32
28 21 00 00-0796	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	254.79	18.32
28 21 00 00-0797	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	323.99	18.32
28 21 00 00-0798	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	532.35	18.32
28 21 00 00-0799		**Audio Follow, Looping Manual Switchers** *(28 21 00 00-0793)*		
28 21 00 00-0800	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	231.47	18.32
28 21 00 00-0801	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	402.22	18.32
28 21 00 00-0802	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	551.15	18.32
28 21 00 00-0803		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 00 00-0793)*		
28 21 00 00-0804	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	306.69	18.32
28 21 00 00-0805	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	553.41	18.32
28 21 00 00-0806	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	695.58	18.32
28 21 00 00-0807		**Sequential Switchers** *(28 21 00 00-0779)*		
28 21 00 00-0808		**Single Output, Sequential Switchers** *(28 21 00 00-0807)*		
28 21 00 00-0809	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	324.74	18.32
28 21 00 00-0810	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	482.70	18.32
28 21 00 00-0811		**Dual Outputs, Sequential Switchers** *(28 21 00 00-0807)*		
28 21 00 00-0812	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	405.23	18.32
28 21 00 00-0813	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	560.18	18.32
28 21 00 00-0814		**Controls** *(28 21 00 00-0760)*		
28 21 00 00-0815		**Direct/Multi-Cable Controls** *(28 21 00 00-0814)*		
28 21 00 00-0816	EA	Scanner Control Module (Pelco MPS524DT)	284.19	45.82
28 21 00 00-0817	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	303.00	45.82
28 21 00 00-0818	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	335.34	45.82
28 21 00 00-0819	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	350.39	45.82
28 21 00 00-0820	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	548.97	45.82
28 21 00 00-0821	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	603.88	45.82

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0822		**Coaxitron Controls** *(28 21 00 00-0814)*		
28 21 00 00-0823	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	404.97	31.29
28 21 00 00-0824	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	759.25	31.29
28 21 00 00-0825	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	860.80	31.29
28 21 00 00-0826		**Digital Controls** *(28 21 00 00-0814)*		
28 21 00 00-0827	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	541.12	31.29
28 21 00 00-0828	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	911.95	31.29
28 21 00 00-0829		**Lock Boxes** *(28 21 00 00-0760)*		
28 21 00 00-0830	EA	VCR Lock Box (Pelco LB1000)	331.24	34.36
		For Wall Mount, Add	*165.00*	
28 21 00 00-0831	EA	Computer Disk Drive Lock Box (Pelco LB2000)	338.76	34.36
28 21 00 00-0832	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	617.07	34.36

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm *(28 40)*

28 42 00 00-0001 Monitoring System For Underground Tanks *(28 42)*

28 42 00 00-0002 Continuous Leak Detection System *(28 42 00 00-0001)*

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 00 00-0003	EA	Single Channel Underground Tank Monitoring System	4,508.69	375.14
28 42 00 00-0004	EA	2 Channel Underground Tank Monitoring System	6,079.14	500.48
28 42 00 00-0005	EA	3 Channel Underground Tank Monitoring System	8,482.09	536.17
28 42 00 00-0006	EA	4 Channel Underground Tank Monitoring System	9,220.04	750.27
28 42 00 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	6,157.15	64.05
28 42 00 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,552.10	57.19
28 42 00 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,293.10	64.05
28 42 00 00-0010	EA	Tank Leak Detection Probe	2,253.33	13.73
28 42 00 00-0011	EA	Secondary Containment Collar Probe	277.71	5.49
28 42 00 00-0012	EA	Interstitial Leak Detection Probe	509.99	11.43
28 42 00 00-0013	EA	Liquid Phase Detection	1,680.65	34.31
28 42 00 00-0014	EA	Hydrocarbon Vapor, Fixed	1,553.14	34.31
28 42 00 00-0015	EA	Hydrocarbon Vapor, Float Mounted	1,812.48	38.89
28 42 00 00-0016	EA	Liquid And Vapor Hydrocarbon	2,067.49	38.89

28 42 00 00-0017 Hydrogen Gas Detection *(28 42)*

28 42 00 00-0018	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,122.40	34.36
28 42 00 00-0019	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	64.12	11.45
28 42 00 00-0020	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	298.29	34.36

28 43 Fuel Oil Detection And Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm *(28 40)*

28 46 11 Fire Sensors and Detectors *(28 46)*

28 46 11 11 Linear Heat Detection Sensors *(28 46 11)*

28 46 11 11-0001 Protectowire Fire Alarm *(28 46 11 11)*

28 46 11 11-0002 Linear Heat Detector Cable *(28 46 11 11-0001)*

28 46 11 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	3.45	
28 46 11 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	3.71	
28 46 11 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	3.71	
28 46 11 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	3.98	
28 46 11 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	4.55	
28 46 11 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	4.82	
28 46 11 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	47.99	
28 46 11 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	17.51	
28 46 11 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	6.44	
28 46 11 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	6.44	
28 46 11 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	7.37	
28 46 11 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	11.46	
28 46 11 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	11.81	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 11 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.93	
28 46 11 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.25	
28 46 11 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.45	

28 46 20 Fire Alarm *(28 46)*

28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations *(28 46 20)*

28 46 21 33-0001 Edwards Fire Alarm *(28 46 21 33)*

28 46 21 33-0002 EST3 Life Safety And Security Control *(28 46 21 33-0001)*

28 46 21 33-0003 EST3 Network *(28 46 21 33-0002)*

28 46 21 33-0004 Remote Annunciators *(28 46 21 33-0003)*

28 46 21 33-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	927.27	68.72
28 46 21 33-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	762.04	68.72
28 46 21 33-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	954.70	68.72
28 46 21 33-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	621.01	68.72
28 46 21 33-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	119.40	22.91
28 46 21 33-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	411.55	68.72
28 46 21 33-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	426.87	68.72
28 46 21 33-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	459.85	68.72
28 46 21 33-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	518.79	45.82
28 46 21 33-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	86.61	22.91
28 46 21 33-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,091.78	68.72
28 46 21 33-0016	EA	Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	945.52	22.91

28 46 21 33-0017 Remote Annunciators Cabinets *(28 46 21 33-0003)*

28 46 21 33-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	92.47	22.91
28 46 21 33-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	83.30	18.32
28 46 21 33-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	102.82	22.91
28 46 21 33-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	93.65	18.32
28 46 21 33-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	112.54	22.91
28 46 21 33-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	103.37	18.32

28 46 21 33-0024 Audio And Telephone Masters *(28 46 21 33-0003)*

28 46 21 33-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,955.65	91.63
28 46 21 33-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	1,666.21	91.63
28 46 21 33-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,561.45	91.63
28 46 21 33-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,577.55	91.63
28 46 21 33-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	1,795.11	91.63
28 46 21 33-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,569.54	45.82

28 46 21 33-0031 Battery Distribution Unit *(28 46 21 33-0003)*

28 46 21 33-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	367.03	275.39

28 46 21 33-0033 Remote Booster Power Supply *(28 46 21 33-0003)*

28 46 21 33-0034	EA	6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A)	540.45	68.72
28 46 21 33-0035	EA	10 Amp. 110 VAC Booster Power Supply (EST3 BPS10)	612.16	68.72
28 46 21 33-0036	EA	10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	665.00	68.72
28 46 21 33-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	94.21	22.91

28 46 21 33-0038 Batteries And Battery Cabinets *(28 46 21 33-0003)*

28 46 21 33-0039	EA	1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours))	74.52	22.91
28 46 21 33-0040	EA	4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours))	90.09	22.91
28 46 21 33-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours))	197.57	22.91
28 46 21 33-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours))	96.33	22.91
28 46 21 33-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours))	247.46	22.91
28 46 21 33-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours))	144.18	22.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours))	490.54	22.91
28 46 21 33-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours))	147.39	22.91
28 46 21 33-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours))	588.27	22.91
28 46 21 33-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours))	87.06	22.91
28 46 21 33-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours))	79.27	22.91
28 46 21 33-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	265.42	45.82
28 46 21 33-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2) Note: Holds up to two 12V17A batteries.	223.47	45.82
28 46 21 33-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	731.36	91.63
28 46 21 33-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	896.53	91.63
28 46 21 33-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	1,239.05	91.63
28 46 21 33-0055		**Serial Printer** *(28 46 21 33-0003)*		
28 46 21 33-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	941.30	22.91
28 46 21 33-0057		**Intelligent Analog Initiating Devices** *(28 46 21 33-0002)*		
28 46 21 33-0058		**Detectors, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	162.68	34.36
28 46 21 33-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	180.81	34.36
28 46 21 33-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	157.27	34.36
28 46 21 33-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	141.07	34.36
28 46 21 33-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	146.47	34.36
28 46 21 33-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	123.00	34.36
28 46 21 33-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	123.00	34.36
28 46 21 33-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	185.64	34.36
28 46 21 33-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	203.33	34.36
28 46 21 33-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	174.15	34.36
28 46 21 33-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	244.47	34.36
28 46 21 33-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	147.91	34.36
28 46 21 33-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	147.91	34.36
28 46 21 33-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	197.78	34.36
28 46 21 33-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	323.29	57.27
28 46 21 33-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	16.10	
28 46 21 33-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	45.47	13.75
28 46 21 33-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	86.04	18.32
28 46 21 33-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	113.46	18.32
28 46 21 33-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	54.77	18.32
28 46 21 33-0080		**Detectors, Smoke, Beam** *(28 46 21 33-0057)*		
28 46 21 33-0081	EA	Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	106.45	
28 46 21 33-0082	EA	Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) Note: Includes controller and remote mount transmitter and receiver head.	1,243.39	34.36
28 46 21 33-0083	EA	Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	78.56	11.45
28 46 21 33-0084	EA	Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01)	92.44	11.45
28 46 21 33-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,273.59	34.36
28 46 21 33-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,088.23	34.36
28 46 21 33-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	254.67	11.45
28 46 21 33-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	1,341.98	34.36
28 46 21 33-0089		**Modules, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	148.79	22.91
28 46 21 33-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	100.95	22.91
28 46 21 33-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	139.78	22.91
28 46 21 33-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	134.34	22.91
28 46 21 33-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	127.18	22.91
28 46 21 33-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	150.66	22.91
28 46 21 33-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	121.71	22.91
28 46 21 33-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	118.17	22.91
28 46 21 33-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	154.29	22.91
28 46 21 33-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	150.66	22.91
28 46 21 33-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	145.26	22.91
28 46 21 33-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	134.05	111.14
28 46 21 33-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	100.95	22.91
28 46 21 33-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	154.99	22.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0104		**Module Accessories, Signature** *(28 46 21 33-0057)*		
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 46 21 33-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	41.06	11.45
28 46 21 33-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	132.59	22.91
28 46 21 33-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	16.45	6.87
28 46 21 33-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	47.31	11.45
28 46 21 33-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	42.82	11.45
28 46 21 33-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	44.60	11.45
28 46 21 33-0111		**Single Action Pull Stations, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	172.99	47.65
28 46 21 33-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	200.10	47.65
28 46 21 33-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	22.92	18.35
28 46 21 33-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	28.14	23.57
28 46 21 33-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	48.35	30.02
28 46 21 33-0117		**Double Action Pull Stations, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	178.40	47.65
28 46 21 33-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	28.53	4.59
28 46 21 33-0120		**Detector Bases and Accessories, Signature** *(28 46 21 33-0057)*		
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 33-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	81.15	11.45
28 46 21 33-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	33.80	11.45
28 46 21 33-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	99.95	11.45
28 46 21 33-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	59.12	11.45
28 46 21 33-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	68.15	11.45
28 46 21 33-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP)	104.27	11.45
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 21 33-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	41.06	11.45
28 46 21 33-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	16.53	6.87
28 46 21 33-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	16.53	6.87
28 46 21 33-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	40.93	6.87
28 46 21 33-0131	EA	Detector Base With Isolator (EST3 SIGA-IB)	67.23	11.45
28 46 21 33-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	71.10	11.45
28 46 21 33-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	60.48	11.45
28 46 21 33-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	60.48	11.45
28 46 21 33-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	35.15	11.45
28 46 21 33-0136		**Controllers, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	2,123.15	68.72
28 46 21 33-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	1,231.72	68.72
28 46 21 33-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,110.04	68.72
28 46 21 33-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	1,758.44	68.72
28 46 21 33-0141		**Relays And Accessories** *(28 46 21 33-0057)*		
28 46 21 33-0142	EA	Multi Voltage Relay (EST3 MR101)	122.36	22.91
28 46 21 33-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	38.77	11.45
28 46 21 33-0144		**Notification Appliances** *(28 46 21 33-0002)*		
28 46 21 33-0145		**Wall Strobes, Horns And Chimes** *(28 46 21 33-0144)*		
28 46 21 33-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	107.34	34.36
28 46 21 33-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	107.34	34.36
28 46 21 33-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	119.92	34.36
28 46 21 33-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	93.17	34.36
28 46 21 33-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	93.17	34.36
28 46 21 33-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	93.17	34.36
28 46 21 33-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	93.17	34.36
28 46 21 33-0153	EA	Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P)	81.26	34.36
28 46 21 33-0154	EA	Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	81.26	34.36
28 46 21 33-0155	EA	Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	81.26	34.36

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	171.27	34.36
28 46 21 33-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	171.27	34.36
28 46 21 33-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	118.39	34.36
28 46 21 33-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	118.39	34.36
28 46 21 33-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	107.34	34.36
28 46 21 33-0161	EA	Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	107.34	34.36
28 46 21 33-0162	EA	Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	107.34	34.36
28 46 21 33-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	107.34	34.36
28 46 21 33-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	110.88	34.36
28 46 21 33-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	110.88	34.36
28 46 21 33-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	119.15	34.36
28 46 21 33-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	110.88	34.36
28 46 21 33-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	110.88	34.36
28 46 21 33-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	73.52	34.36
28 46 21 33-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	73.52	34.36
28 46 21 33-0171		**Wall Speakers And Speaker Strobes** *(28 46 21 33-0144)*		
28 46 21 33-0172	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	92.10	34.36
28 46 21 33-0173	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	132.00	34.36
28 46 21 33-0174	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	92.10	34.36
28 46 21 33-0175	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	132.00	34.36
28 46 21 33-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	46.37	18.32
28 46 21 33-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	46.37	18.32
28 46 21 33-0178		**Ceiling Speakers And Speaker Strobes** *(28 46 21 33-0144)*		
28 46 21 33-0179	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	106.57	34.36
28 46 21 33-0180	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	132.00	34.36
28 46 21 33-0181	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	140.05	34.36
28 46 21 33-0182		**Harsh Environment Signals** *(28 46 21 33-0144)*		
28 46 21 33-0183	EA	Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T)	96.67	34.36
28 46 21 33-0184	EA	15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T)	128.43	34.36
28 46 21 33-0185	EA	110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T)	128.43	34.36
28 46 21 33-0186	EA	15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T)	118.98	34.36
28 46 21 33-0187	EA	15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T)	112.71	34.36
28 46 21 33-0188	EA	30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T)	118.98	34.36
28 46 21 33-0189	EA	60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T)	118.98	34.36
28 46 21 33-0190	EA	110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T)	118.98	34.36
28 46 21 33-0191	EA	15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	132.04	38.95
28 46 21 33-0192	EA	110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	132.04	38.95
28 46 21 33-0193	EA	15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T)	100.53	34.36
28 46 21 33-0194	EA	30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T)	125.47	34.36
28 46 21 33-0195		**Fire Alarm Bells** *(28 46 21 33-0144)*		
28 46 21 33-0196	EA	10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW)	137.24	34.36
28 46 21 33-0197	EA	6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW)	113.52	34.36
28 46 21 33-0198	EA	10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW)	123.64	34.36
28 46 21 33-0199		**Multiple Tone Signal** *(28 46 21 33-0144)*		
28 46 21 33-0200	EA	27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW)	780.37	746.01
28 46 21 33-0201		**Multi-Purpose Loudspeaker** *(28 46 21 33-0144)*		
28 46 21 33-0202	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	175.06	34.36
28 46 21 33-0203	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	175.06	34.36
28 46 21 33-0204		**Bell/Strobe Plate** *(28 46 21 33-0144)*		
28 46 21 33-0205	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	89.06	18.32
28 46 21 33-0206		**Mounting Accessories** *(28 46 21 33-0144)*		
28 46 21 33-0207	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	47.11	18.32
28 46 21 33-0208	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	47.11	18.32
28 46 21 33-0209	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	47.11	18.32
28 46 21 33-0210	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	47.11	18.32
28 46 21 33-0211	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	47.11	18.32
28 46 21 33-0212		**Firefighters' Telephones** *(28 46 21 33-0144)*		
28 46 21 33-0213	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	713.15	57.27
28 46 21 33-0214	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	413.85	57.27

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0215	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	306.07	57.27
28 46 21 33-0216	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	230.93	57.27
28 46 21 33-0217	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	400.44	57.27
28 46 21 33-0218	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	257.75	57.27
28 46 21 33-0219	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	447.94	57.27
28 46 21 33-0220	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	266.68	57.27
28 46 21 33-0221	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	508.76	57.27
28 46 21 33-0222	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	61.73	18.32
28 46 21 33-0223	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	69.51	18.32
28 46 21 33-0224	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	86.56	
28 46 21 33-0225	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	86.56	
28 46 21 33-0226	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	139.20	22.91
28 46 21 33-0227	EA	Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	170.17	22.91
28 46 21 33-0228	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	123.71	22.91
28 46 21 33-0229	EA	Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	119.16	22.91
28 46 21 33-0230	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	97.02	34.36
28 46 21 33-0231	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	729.34	45.82
28 46 21 33-0232		**Mass Notification EC Appliances** *(28 46 21 33-0144)*		
28 46 21 33-0233	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	110.91	34.36
28 46 21 33-0234	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	107.69	34.36
28 46 21 33-0235	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	110.91	34.36
28 46 21 33-0236	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	107.69	34.36
28 46 21 33-0237	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	17.60	6.87
28 46 21 33-0238		**Hazardous Location Devices** *(28 46 21 33-0002)*		
28 46 21 33-0239		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 21 33-0238)*		
28 46 21 33-0240	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	100.66	34.36
28 46 21 33-0241	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	100.66	34.36
28 46 21 33-0242	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	103.33	34.36
28 46 21 33-0243	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	103.33	34.36
28 46 21 33-0244	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	135.28	34.36
28 46 21 33-0245	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	135.28	34.36
28 46 21 33-0246	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	103.33	34.36
28 46 21 33-0247	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	103.33	34.36
28 46 21 33-0248		**Hazardous Locations Fire Alarm Station** *(28 46 21 33-0238)*		
28 46 21 33-0249	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	753.73	57.27
28 46 21 33-0250	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	719.00	57.27
28 46 21 33-0251		**Hazardous Location Strobes** *(28 46 21 33-0238)*		
28 46 21 33-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,093.50	34.36
28 46 21 33-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	206.75	11.45
28 46 21 33-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	269.82	13.75
28 46 21 33-0255	EA	Pendant Mounting Module (EST3 116EX-P)	199.93	13.75
28 46 21 33-0256		**Hazardous Location Bells** *(28 46 21 33-0238)*		
28 46 21 33-0257	EA	6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW)	794.14	34.36
28 46 21 33-0258	EA	8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	814.24	34.36
28 46 21 33-0259	EA	10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW)	821.48	34.36
28 46 21 33-0260		**Hazardous Location Horns** *(28 46 21 33-0238)*		
28 46 21 33-0261	EA	Hazardous Location Horns (EST3 888D-N5)	776.81	34.36
28 46 21 33-0262	EA	Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW)	637.70	34.36
28 46 21 33-0263		**Door Holders And Relays** *(28 46 21 33-0002)*		
28 46 21 33-0264		**Electromagnetic Door Holders** *(28 46 21 33-0263)*		
28 46 21 33-0265	EA	Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	153.80	34.36
28 46 21 33-0266	EA	Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5)	194.15	34.36
28 46 21 33-0267	EA	Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5)	133.20	34.36
28 46 21 33-0268	EA	Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5)	133.20	34.36
28 46 21 33-0269	EA	Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5)	135.06	34.36
28 46 21 33-0270	EA	Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5)	136.84	34.36

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0271		Control Relays, Multi-Voltage *(28 46 21 33-0263)*		
28 46 21 33-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	31.06	6.87
28 46 21 33-0273		FireShield Plus *(28 46 21 33-0002)*		
28 46 21 33-0274		3 Zone System *(28 46 21 33-0273)*		
28 46 21 33-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	879.40	274.90
28 46 21 33-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,263.63	366.53
28 46 21 33-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	879.40	274.90
28 46 21 33-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,263.63	366.53
28 46 21 33-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	57.68	11.45
28 46 21 33-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	57.68	11.45
28 46 21 33-0281		5 Zone System *(28 46 21 33-0273)*		
28 46 21 33-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	935.67	274.90
28 46 21 33-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,316.68	366.53
28 46 21 33-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	935.67	274.90
28 46 21 33-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,316.68	366.53
28 46 21 33-0286	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	57.68	11.45
28 46 21 33-0287	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	57.68	11.45
28 46 21 33-0288		10 Zone System *(28 46 21 33-0273)*		
28 46 21 33-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,335.98	366.53
28 46 21 33-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,720.22	458.17
28 46 21 33-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,311.86	366.53
28 46 21 33-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,720.22	458.17
28 46 21 33-0293	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	66.38	11.45
28 46 21 33-0294	EA	NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	122.37	22.91
28 46 21 33-0295		FireShield Plus Off Premise Communication Options *(28 46 21 33-0273)*		
28 46 21 33-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	254.83	22.91
28 46 21 33-0297		FireShield Plus Remote LED Annunciators *(28 46 21 33-0273)*		
28 46 21 33-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	120.89	34.36
28 46 21 33-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	120.89	34.36
28 46 21 33-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	124.99	34.36
28 46 21 33-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	24.21	6.87
28 46 21 33-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	29.45	6.87
28 46 21 33-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	42.06	6.87
28 46 21 33-0304		FireShield Plus Remote 10 Zone LED Annunciators *(28 46 21 33-0273)*		
28 46 21 33-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	342.04	34.36
28 46 21 33-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	374.19	34.36
28 46 21 33-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	126.21	22.91
28 46 21 33-0308		FireShield Plus Remote Relays And Interfaces *(28 46 21 33-0273)*		
28 46 21 33-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	132.77	22.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0310	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	57.11	13.75
28 46 21 33-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	204.99	22.91
28 46 21 33-0312		**FireShield Plus Accessories** *(28 46 21 33-0273)*		
28 46 21 33-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	13.02	
28 46 21 33-0314	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	8.62	
28 46 21 33-0315		**iO Series Fire Control Panels** *(28 46 21 33-0002)*		
28 46 21 33-0316		**Intelligent Analog Control Panels** *(28 46 21 33-0315)*		
28 46 21 33-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,681.56	458.17
28 46 21 33-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,837.51	458.17
28 46 21 33-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	2,141.40	366.53
28 46 21 33-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,213.74	366.53
28 46 21 33-0321		**Option Modules And Accessories For iO Series** *(28 46 21 33-0315)*		
28 46 21 33-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	229.50	34.36
28 46 21 33-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	149.11	34.36
28 46 21 33-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	149.11	34.36
28 46 21 33-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	126.21	22.91
28 46 21 33-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	245.66	18.32
28 46 21 33-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	438.59	18.32
28 46 21 33-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	56.67	11.45
28 46 21 33-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	64.71	11.45
28 46 21 33-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	815.12	45.82
28 46 21 33-0331		**Remote Annunciators For iO Series** *(28 46 21 33-0315)*		
28 46 21 33-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	450.55	34.36
28 46 21 33-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	470.66	34.36
28 46 21 33-0334		**Remote Annunciator Accessories** *(28 46 21 33-0315)*		
28 46 21 33-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	55.07	11.45
28 46 21 33-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	38.99	11.45
28 46 21 33-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	51.04	11.45
28 46 21 33-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	149.11	34.36
28 46 21 33-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	169.20	34.36
28 46 21 33-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	189.30	34.36
28 46 21 33-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	38.99	11.45
28 46 21 33-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	38.99	11.45
28 46 21 33-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	74.11	11.45
28 46 21 33-0344		**System Accessories** *(28 46 21 33-0315)*		
28 46 21 33-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1)	265.42	45.82
28 46 21 33-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,281.63	366.53
28 46 21 33-0347		**Conventional Initiating Devices** *(28 46 21 33-0002)*		
28 46 21 33-0348		**Detectors, Heat, Double Pole** *(28 46 21 33-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	112.04	34.36
28 46 21 33-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	112.04	34.36
28 46 21 33-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	112.04	34.36
28 46 21 33-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	112.04	34.36
28 46 21 33-0353		**Detectors, Rate Compensation Heat, Accessories** *(28 46 21 33-0347)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	74.79	34.36
28 46 21 33-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	168.06	18.32
28 46 21 33-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	61.49	22.91
28 46 21 33-0357		Detectors, Heat, Fire-Lite *(28 46 21 33-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	105.89	34.36
28 46 21 33-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	105.89	34.36
28 46 21 33-0360		Audio Notification Systems (Standalone Voice Evacuation) *(28 46 21 33-0002)*		
28 46 21 33-0361		Audio Notification Panels *(28 46 21 33-0360)*		
28 46 21 33-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,303.85	458.17
28 46 21 33-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,303.85	458.17
28 46 21 33-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,524.09	458.17
28 46 21 33-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,524.09	458.17
28 46 21 33-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,909.95	458.17
28 46 21 33-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,909.95	458.17
28 46 21 33-0368		Audio Notification Expander Panels *(28 46 21 33-0360)*		
28 46 21 33-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,588.40	458.17
28 46 21 33-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,588.40	458.17
28 46 21 33-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,832.76	458.17
28 46 21 33-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,832.76	458.17
28 46 21 33-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,274.89	458.17
28 46 21 33-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,274.89	458.17
28 46 21 33-0375		Audio Notification Output Accessories *(28 46 21 33-0360)*		
28 46 21 33-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	95.26	11.45
28 46 21 33-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	407.56	22.91
28 46 21 33-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	407.56	22.91
28 46 21 33-0379	EA	Class A Converter (GE ANSZSC4A)	295.02	22.91
28 46 21 33-0380		Audio Notification Remote Microphone *(28 46 21 33-0360)*		
28 46 21 33-0381	EA	Microphone (GE ANSMIKE)	118.17	22.91
28 46 21 33-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	447.76	22.91
28 46 21 33-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	447.76	22.91
28 46 21 33-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	103.30	11.45
28 46 21 33-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	59.08	11.45
28 46 21 33-0386		Audio Notification Accessories *(28 46 21 33-0360)*		
28 46 21 33-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	190.52	22.91
28 46 21 33-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	190.52	22.91
28 46 21 33-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	190.52	22.91
28 46 21 33-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	407.56	22.91
28 46 21 33-0391		Audio Notification Modules, Without Cabinet And Transformer *(28 46 21 33-0360)*		
28 46 21 33-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	1,466.26	45.82
28 46 21 33-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	1,538.61	45.82

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	2,117.39	45.82
28 46 21 33-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	815.12	45.82
28 46 21 33-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	815.12	45.82
28 46 21 33-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,466.26	45.82
28 46 21 33-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	1,176.86	45.82
28 46 21 33-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,249.21	45.82
28 46 21 33-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	1,828.00	45.82
28 46 21 33-0401	EA	Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180)	95.26	11.45
28 46 21 33-0402	EA	Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885)	71.98	11.45
28 46 21 33-0403		**Simplex Fire Alarm** *(28 46 21 33)*		
28 46 21 33-0404		**4100 Fire Alarm Control Panel** *(28 46 21 33-0403)*		
28 46 21 33-0405	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	4,267.72	457.49
28 46 21 33-0406	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141)	4,616.93	457.49
28 46 21 33-0407	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	6,445.91	457.49
28 46 21 33-0408	EA	IDNet Module, Up To 127 Points (Simplex 4100-3104) Note: Add-on module.	2,895.40	457.49
28 46 21 33-0409	EA	IDNet Module, Up To 64 Points (Simplex 4100-3105) Note: Add-on module.	2,362.83	457.49
28 46 21 33-0410	EA	Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101) Note: Add-on module.	1,273.85	114.37
28 46 21 33-0411	EA	Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	265.96	22.88
28 46 21 33-0412	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	742.50	22.88
28 46 21 33-0413		**4100U Backbox** *(28 46 21 33-0403)*		
28 46 21 33-0414	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	1,312.93	91.50
28 46 21 33-0415	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	1,831.05	91.50
28 46 21 33-0416		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 21 33-0403)*		
28 46 21 33-0417	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	716.76	45.75
28 46 21 33-0418		**4010 Fire Alarm Control Panel** *(28 46 21 33-0403)*		
28 46 21 33-0419	EA	120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	4,053.70	457.49
28 46 21 33-0420	EA	240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	4,089.01	457.49
28 46 21 33-0421	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	148.62	22.88
28 46 21 33-0422	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	616.57	22.88
28 46 21 33-0423	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	844.50	22.88
28 46 21 33-0424	EA	120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	438.07	22.88
28 46 21 33-0425	EA	240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	473.35	22.88
28 46 21 33-0426	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	182.91	22.88
28 46 21 33-0427		**Printer** *(28 46 21 33-0403)*		
28 46 21 33-0428	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,272.85	22.88
28 46 21 33-0429		**NAC Panel / Power Booster** *(28 46 21 33-0403)*		
28 46 21 33-0430	EA	IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201) Note: Power supply for horns and strobes.	870.38	114.37
28 46 21 33-0431		**Battery** *(28 46 21 33-0403)*		
28 46 21 33-0432	EA	50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	521.19	22.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0433	EA	33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	349.86	22.88
28 46 21 33-0434	EA	6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	132.85	22.88
28 46 21 33-0435		**Interface Modules** *(28 46 21 33-0403)*		
28 46 21 33-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.	109.30	22.88
28 46 21 33-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	215.06	22.88
28 46 21 33-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	59.48	22.88
28 46 21 33-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	110.47	22.88
28 46 21 33-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	49.75	11.43
28 46 21 33-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	47.51	11.43
28 46 21 33-0442		**Pull Stations** *(28 46 21 33-0403)*		
28 46 21 33-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	131.99	22.88
28 46 21 33-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	97.26	22.88
28 46 21 33-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	103.97	22.88
28 46 21 33-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	94.23	22.88
28 46 21 33-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	108.45	22.88
28 46 21 33-0448	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	159.55	22.88
28 46 21 33-0449	EA	Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	135.32	22.88
28 46 21 33-0450	EA	Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	157.71	22.88
28 46 21 33-0451	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	78.60	22.88
28 46 21 33-0452	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	82.69	22.88
28 46 21 33-0453	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	95.89	22.88
28 46 21 33-0454	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	143.85	22.88
28 46 21 33-0455	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	241.95	22.88
28 46 21 33-0456	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	86.06	22.88
28 46 21 33-0457	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	51.99	11.43
28 46 21 33-0458		**Weatherproof Pull Stations** *(28 46 21 33-0403)*		
28 46 21 33-0459	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	131.05	27.45
28 46 21 33-0460	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	81.74	11.43
28 46 21 33-0461		**Heat / Smoke Sensor** *(28 46 21 33-0403)*		
28 46 21 33-0462	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	134.58	34.31
28 46 21 33-0463	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	189.55	34.31
28 46 21 33-0464	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	346.41	11.43
28 46 21 33-0465	EA	Standard Sensor Base (Simplex 4098-9792)	178.38	11.43
28 46 21 33-0466	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	109.71	22.88
28 46 21 33-0467		**Explosion Proof Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0468	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	141.61	34.31
28 46 21 33-0469	EA	Explosion Proof Backbox (Killark JLX-21)	87.83	11.43
28 46 21 33-0470	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	8.55	2.28
28 46 21 33-0471		**Weatherproof Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0472	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	106.29	34.31
28 46 21 33-0473		**200 Degree F Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0474	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	90.51	34.31
28 46 21 33-0475		**Duct Smoke Sensor** *(28 46 21 33-0403)*		
28 46 21 33-0476	EA	Duct Sensor Housing (Simplex 4098-9755)	283.85	18.30
28 46 21 33-0477	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	389.67	41.17
28 46 21 33-0478	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	46.24	11.43
28 46 21 33-0479	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	112.96	34.31
28 46 21 33-0480		**Interior Horn** *(28 46 21 33-0403)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0481	EA	Red With White “FIRE” Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	105.61	34.31
28 46 21 33-0482	EA	White With Red “FIRE” Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	105.61	34.31
28 46 21 33-0483		**Interior Horn Strobe** *(28 46 21 33-0403)*		
28 46 21 33-0484	EA	Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	140.54	34.31
28 46 21 33-0485	EA	Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	140.54	34.31
28 46 21 33-0486	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	132.57	34.31
28 46 21 33-0487	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	132.57	34.31
28 46 21 33-0488	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	132.57	34.31
28 46 21 33-0489	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	132.57	34.31
28 46 21 33-0490	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	135.24	34.31
28 46 21 33-0491	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	135.24	34.31
28 46 21 33-0492	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	139.94	34.31
28 46 21 33-0493	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	137.77	34.31
28 46 21 33-0494	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	139.94	34.31
28 46 21 33-0495	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	137.77	34.31
28 46 21 33-0496	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	132.57	34.31
28 46 21 33-0497	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	132.57	34.31
28 46 21 33-0498	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	132.57	34.31
28 46 21 33-0499	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	132.57	34.31
28 46 21 33-0500		**Interior Strobe** *(28 46 21 33-0403)*		
28 46 21 33-0501	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	115.64	34.31
28 46 21 33-0502	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	115.64	34.31
28 46 21 33-0503	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	115.61	34.31
28 46 21 33-0504	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	115.64	34.31
28 46 21 33-0505	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	125.77	34.31
28 46 21 33-0506	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	125.77	34.31
28 46 21 33-0507	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	126.41	34.31
28 46 21 33-0508	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	128.18	34.31
28 46 21 33-0509	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	128.18	34.31
28 46 21 33-0510	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	128.18	34.31
28 46 21 33-0511	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	115.64	34.31
28 46 21 33-0512	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	115.64	34.31
28 46 21 33-0513	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	115.64	34.31
28 46 21 33-0514	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	115.64	34.31
28 46 21 33-0515		**Interior Speakers** *(28 46 21 33-0403)*		
28 46 21 33-0516	EA	Red With White “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	97.04	34.31
28 46 21 33-0517	EA	White With Red “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	97.04	34.31
28 46 21 33-0518	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	97.04	34.31
28 46 21 33-0519		**Interior Speaker Strobe** *(28 46 21 33-0403)*		
28 46 21 33-0520	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	148.43	34.31
28 46 21 33-0521	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	148.43	34.31
28 46 21 33-0522		**Surge Suppressors** *(28 46 21 33-0403)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0523	EA	Overvoltage Suppressor (Simplex 2081-9044)	89.11	6.86
28 46 21 33-0524	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	58.09	6.86
28 46 21 33-0525	EA	120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	187.37	6.86
28 46 21 33-0526	EA	24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	66.08	6.86
28 46 21 33-0527	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	100.05	11.43
28 46 21 33-0528	EA	120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	71.28	6.86
28 46 21 33-0529	EA	<105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	54.22	6.86
28 46 21 33-0530		**Boxes And Adapters** *(28 46 21 33-0403)*		
28 46 21 33-0531	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	47.51	11.43
28 46 21 33-0532	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	45.27	11.43
28 46 21 33-0533	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	40.88	11.43
28 46 21 33-0534	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	34.65	11.43
28 46 21 33-0535		**Accessories** *(28 46 21 33-0403)*		
28 46 21 33-0536	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	25.48	11.43
28 46 21 33-0537		**Siemens Fire Alarm** *(28 46 21 33)*		
28 46 21 33-0538		**Conventional Control Panels** *(28 46 21 33-0537)*		
28 46 21 33-0539		**SXL Batteries And Power Supplies** *(28 46 21 33-0538)*		
28 46 21 33-0540	EA	6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	747.46	45.75
28 46 21 33-0541	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	605.98	45.75
28 46 21 33-0542		**Digital Fire Communicators** *(28 46 21 33-0538)*		
28 46 21 33-0543	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	587.33	45.75
28 46 21 33-0544		**Addressable Control Panels** *(28 46 21 33-0537)*		
28 46 21 33-0545		**Fireseeker Equipment** *(28 46 21 33-0544)*		
28 46 21 33-0546		**FS-250 System Panels** *(28 46 21 33-0545)*		
28 46 21 33-0547	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	1,954.21	457.49
28 46 21 33-0548	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,386.37	457.49
28 46 21 33-0549	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	1,465.10	365.98
28 46 21 33-0550	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,956.78	457.49
28 46 21 33-0551		**FS-250 Optional Modules** *(28 46 21 33-0545)*		
28 46 21 33-0552	EA	Main Board Module (Siemens FS-MB2)	752.61	45.75
28 46 21 33-0553	EA	Display Board Module (Siemens FS-DB2)	580.81	22.88
28 46 21 33-0554	EA	Device Loop Card (Siemens FS-DLC)	477.91	22.88
28 46 21 33-0555	EA	Releasing Module (Siemens FS-REL)	218.10	22.88
28 46 21 33-0556	EA	Remote LCD Annunciator (Siemens FS-RD2)	474.70	22.88
28 46 21 33-0557	EA	Relay Processor Card (Siemens FS-RU2)	413.60	22.88
28 46 21 33-0558	EA	Relay Expander Board (Siemens FS-RE8)	354.44	22.88
28 46 21 33-0559	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	474.70	22.88
28 46 21 33-0560	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	372.44	22.88
28 46 21 33-0561	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	339.65	22.88
28 46 21 33-0562	EA	Municipal Tie Module (Siemens FS-MT)	290.13	22.88
28 46 21 33-0563	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	276.07	
28 46 21 33-0564	EA	Programming Cable Kit (Siemens CBL-UD)	72.40	11.43
28 46 21 33-0565	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	131.28	22.88
28 46 21 33-0566	EA	Releasing Power Transformer (Siemens FS-RPT-A)	133.21	22.88
28 46 21 33-0567	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	147.20	18.30
28 46 21 33-0568	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	231.24	11.43
28 46 21 33-0569		**Firefinder Systems** *(28 46 21 33-0544)*		
28 46 21 33-0570		**XLS Basic Fire System Packages Without Backbox** *(28 46 21 33-0569)*		
28 46 21 33-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,558.64	457.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,824.22	457.49
28 46 21 33-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,824.22	457.49
28 46 21 33-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	9,474.46	457.49
28 46 21 33-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	9,779.29	457.49
28 46 21 33-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,750.27	457.49
28 46 21 33-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,750.27	457.49
28 46 21 33-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,609.45	457.49
28 46 21 33-0579		**Firefinder - XLS Basic System Equipment** *(28 46 21 33-0569)*		
28 46 21 33-0580	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	3,058.41	457.49
28 46 21 33-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	4,956.20	457.49
28 46 21 33-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	3,058.41	457.49
28 46 21 33-0583	EA	Two Slot Card Cage (Siemens CC-2)	364.73	22.88
28 46 21 33-0584	EA	Five Slot Card Cage (Siemens CC-5)	609.75	22.88
28 46 21 33-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	866.99	22.88
28 46 21 33-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	904.93	22.88
28 46 21 33-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	292.70	22.88
28 46 21 33-0588	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,025.83	22.88
28 46 21 33-0589	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	585.31	22.88
28 46 21 33-0590	EA	12 Amp Power Supply Charger Module (Siemens PSC-12)	2,189.20	22.88
28 46 21 33-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,916.31	457.49
28 46 21 33-0592	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	683.06	22.88
28 46 21 33-0593	EA	12 Amp Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	1,822.64	22.88
28 46 21 33-0594	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	315.85	22.88
28 46 21 33-0595	EA	Conventional Detector Card (Siemens CDC-4)	658.62	22.88
28 46 21 33-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	1,280.50	22.88
28 46 21 33-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,578.32	22.88
28 46 21 33-0598		**Remote Lobby Enclosure** *(28 46 21 33-0569)*		
28 46 21 33-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	882.04	91.50
28 46 21 33-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,126.42	91.50
28 46 21 33-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	144.14	22.88
28 46 21 33-0602	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	156.36	22.88
28 46 21 33-0603		**Battery Enclosures** *(28 46 21 33-0569)*		
28 46 21 33-0604	EA	Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT)	563.06	91.50
28 46 21 33-0605		**Graphic Annunciator Output Drivers And Inputs** *(28 46 21 33-0569)*		
28 46 21 33-0606	EA	Output Control Module (Siemens OCM-16)	425.82	22.88
28 46 21 33-0607	EA	Supervised Input Module (Siemens SIM-16)	425.82	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0608		**Remote LCD Displays** *(28 46 21 33-0569)*		
28 46 21 33-0609	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	994.50	68.62
28 46 21 33-0610	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,117.33	68.62
28 46 21 33-0611		**Voice Equipment** *(28 46 21 33-0569)*		
28 46 21 33-0612	EA	40W Zone Amplifier Card (Siemens ZAC-40)	966.67	22.88
28 46 21 33-0613	EA	180W Zone Amplifier Module (Siemens ZAM-180)	2,128.75	22.88
28 46 21 33-0614	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	903.00	22.88
28 46 21 33-0615		**MXL Series Equipment** *(28 46 21 33-0544)*		
28 46 21 33-0616		**MXL Optional Equipment** *(28 46 21 33-0615)*		
28 46 21 33-0617	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,051.01	45.75
28 46 21 33-0618	EA	CXL/MXL Interface Module (Siemens CMI-300)	2,669.60	22.88
28 46 21 33-0619	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	467.62	22.88
28 46 21 33-0620	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	562.16	22.88
28 46 21 33-0621	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	218.74	22.88
28 46 21 33-0622	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	139.64	22.88
28 46 21 33-0623	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	547.37	22.88
28 46 21 33-0624	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	210.10	34.31
28 46 21 33-0625	EA	Lexan Window For RCC (Siemens GENBOX-WD)	140.13	18.30
28 46 21 33-0626	EA	Input Driver Module (Siemens MID-16)	362.80	22.88
28 46 21 33-0627	EA	Programmable Output Driver Module (Siemens MOD-16)	362.80	22.88
28 46 21 33-0628	EA	MXL Output/Input Module (Siemens MOI-7)	573.74	22.88
28 46 21 33-0629	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	310.71	22.88
28 46 21 33-0630	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	482.41	22.88
28 46 21 33-0631	EA	12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220)	1,192.58	68.62
28 46 21 33-0632	EA	12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240)	1,192.58	68.62
28 46 21 33-0633	EA	Network Interface Module (Siemens NIM-1W)	850.27	22.88
28 46 21 33-0634	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	2,240.91	91.50
28 46 21 33-0635	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	257.33	22.88
28 46 21 33-0636	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	2,628.82	457.49
28 46 21 33-0637	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	318.51	45.75
28 46 21 33-0638	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	2,628.82	457.49
28 46 21 33-0639	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	326.23	45.75
28 46 21 33-0640	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	2,072.54	457.49
28 46 21 33-0641	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	2,991.53	457.49
28 46 21 33-0642	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	51.82	11.43
28 46 21 33-0643	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,435.62	45.75
28 46 21 33-0644	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	7,292.29	45.75
28 46 21 33-0645	EA	Releasing End Of Line Module (Siemens REL-EOL)	115.85	22.88
28 46 21 33-0646	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,198.94	45.75
28 46 21 33-0647	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	2,100.54	45.75
28 46 21 33-0648	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,148.28	91.50
28 46 21 33-0649		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 21 33-0615)*		
28 46 21 33-0650	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	8,420.42	457.49
28 46 21 33-0651	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	10,830.76	457.49
28 46 21 33-0652	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	22,087.58	457.49
28 46 21 33-0653		**MXL Basic System** *(28 46 21 33-0615)*		
28 46 21 33-0654	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	5,387.56	457.49
28 46 21 33-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	6,827.46	457.49
28 46 21 33-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,858.10	45.75
28 46 21 33-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,322.41	45.75
28 46 21 33-0658	EA	6 Amp Power Supply For MXL (Siemens MPS-6)	831.80	68.62
28 46 21 33-0659	EA	220/240 VAC Adapter Cable (Siemens CIA-12)	64.68	11.43

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0660		**MXL/MXLR System Expansion Accessories** *(28 46 21 33-0615)*		
28 46 21 33-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,013.80	68.62
28 46 21 33-0662	EA	Style 4 Communication Module (Siemens NET-4)	212.31	22.88
28 46 21 33-0663	EA	Style 7 Communication Module (Siemens NET-7)	377.59	22.88
28 46 21 33-0664	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	230.96	22.88
28 46 21 33-0665		**Peripheral Devices** *(28 46 21 33-0544)*		
28 46 21 33-0666		**Thermal Detectors** *(28 46 21 33-0665)*		
28 46 21 33-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	100.13	34.31
28 46 21 33-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	100.13	34.31
28 46 21 33-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	100.13	34.31
28 46 21 33-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	100.13	34.31
28 46 21 33-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	148.36	34.31
28 46 21 33-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	148.36	34.31
28 46 21 33-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	343.22	34.31
28 46 21 33-0674		**Beam Smoke Detector** *(28 46 21 33-0665)*		
28 46 21 33-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	1,576.85	34.31
28 46 21 33-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	182.37	11.43
28 46 21 33-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	184.30	11.43
28 46 21 33-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	96.84	11.43
28 46 21 33-0679		**Bases For Detectors** *(28 46 21 33-0665)*		
28 46 21 33-0680	EA	Detector Base (Siemens DB-11)	32.53	11.43
28 46 21 33-0681	EA	Universal Base (Siemens DB-3S)	30.60	11.43
28 46 21 33-0682		**Manual Stations** *(28 46 21 33-0665)*		
28 46 21 33-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	208.60	27.45
28 46 21 33-0684		**Addressable Devices** *(28 46 21 33-0544)*		
28 46 21 33-0685		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 21 33-0684)*		
28 46 21 33-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	179.23	34.31
28 46 21 33-0687	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	156.72	34.31
28 46 21 33-0688	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	130.36	34.31
28 46 21 33-0689	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	92.41	34.31
28 46 21 33-0690	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	92.41	34.31
28 46 21 33-0691	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	181.44	22.88
28 46 21 33-0692	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	173.73	22.88
28 46 21 33-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	139.64	22.88
28 46 21 33-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	168.58	22.88
28 46 21 33-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	168.58	22.88
28 46 21 33-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	130.00	22.88
28 46 21 33-0697	EA	Line Isolator Module (Siemens HLIM)	133.85	22.88
28 46 21 33-0698	EA	Remote Convention Zone Module (Siemens HZM)	193.02	22.88
28 46 21 33-0699	EA	Intelligent Control Point Module (Siemens HCP)	241.90	22.88
28 46 21 33-0700	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,026.12	
28 46 21 33-0701	EA	DPU Carrying Case (Siemens DPU-C1)	160.36	
28 46 21 33-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	1,758.97	22.88
28 46 21 33-0703		**Air Duct Housings And Detectors** *(28 46 21 33-0684)*		
28 46 21 33-0704	EA	Air-Duct Housing (Siemens AD2-P)	195.44	18.30
28 46 21 33-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	219.87	18.30
28 46 21 33-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	180.16	22.88
28 46 21 33-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	26.59	6.86
28 46 21 33-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	33.09	9.15
28 46 21 33-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	41.53	11.43
28 46 21 33-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	48.67	13.73
28 46 21 33-0711		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 21 33-0684)*		
28 46 21 33-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	186.31	34.31
28 46 21 33-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	162.51	34.31
28 46 21 33-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	204.31	34.31
28 46 21 33-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	176.94	22.88
28 46 21 33-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	194.31	22.88
28 46 21 33-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	178.87	22.88
28 46 21 33-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	196.88	22.88
28 46 21 33-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	196.88	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0720		**Detector Universal Bases** *(28 46 21 33-0684)*		
28 46 21 33-0721	EA	Detector Base With Relay (Siemens DB-X11RS)	83.97	11.43
28 46 21 33-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	45.39	11.43
28 46 21 33-0723	EA	Locking Kit (Siemens LK-11)	9.66	
28 46 21 33-0724	EA	Detector Base With Relay (Siemens DB-X3RS)	83.97	11.43
28 46 21 33-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	96.84	11.43
28 46 21 33-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	43.46	11.43
28 46 21 33-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	21.45	6.86
28 46 21 33-0728	EA	Seal For DB-11 (Siemens DB11-SEAL)	11.21	
28 46 21 33-0729	EA	Gasket For DB-11 (Siemens DB-SEAL)	12.06	
28 46 21 33-0730	EA	Detector Guard Housing (Siemens DGH-11)	120.63	11.43
28 46 21 33-0731	EA	Small Detector Base (Siemens DB-11E)	35.10	11.43
28 46 21 33-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A)	108.41	11.43
28 46 21 33-0733	EA	Base Plug (Siemens DB-11-DP)	9.64	
28 46 21 33-0734		**Air Duct Smoke Detectors** *(28 46 21 33-0684)*		
28 46 21 33-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	97.84	22.88
28 46 21 33-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	461.84	22.88
28 46 21 33-0737		**Notification Devices** *(28 46 21 33-0544)*		
28 46 21 33-0738		**Synchronization Control Devices** *(28 46 21 33-0737)*		
28 46 21 33-0739	EA	Dual Synchronization Control Module (Siemens DSC)	139.64	22.88
28 46 21 33-0740		**Stand Alone Strobes** *(28 46 21 33-0737)*		
28 46 21 33-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	123.28	34.31
28 46 21 33-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	132.93	34.31
28 46 21 33-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	123.28	34.31
28 46 21 33-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	132.93	34.31
28 46 21 33-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	132.93	34.31
28 46 21 33-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	123.28	34.31
28 46 21 33-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	140.00	34.31
28 46 21 33-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	134.86	34.31
28 46 21 33-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	134.86	34.31
28 46 21 33-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	143.22	34.31
28 46 21 33-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	143.22	34.31
28 46 21 33-0752		**Horns And Strobes** *(28 46 21 33-0737)*		
28 46 21 33-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	161.23	34.31
28 46 21 33-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	169.59	34.31
28 46 21 33-0755	EA	Wall Mounted Horn (Siemens SE-R)	100.13	34.31
28 46 21 33-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	161.23	34.31
28 46 21 33-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	169.59	34.31
28 46 21 33-0758	EA	Ceiling Mounted Horn (Siemens SEC-R)	103.99	34.31
28 46 21 33-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	161.23	34.31
28 46 21 33-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	169.59	34.31
28 46 21 33-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	100.13	34.31
28 46 21 33-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	161.23	34.31
28 46 21 33-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	169.59	34.31
28 46 21 33-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	103.99	34.31
28 46 21 33-0765	EA	Mini Horn (Siemens MH-R)	85.98	34.31
28 46 21 33-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	105.28	34.31
28 46 21 33-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	152.87	34.31
28 46 21 33-0768	EA	Industrial Tri-Tone Horn (Siemens ASR)	406.25	34.31
28 46 21 33-0769	EA	Wall Mounted Horn (Siemens HS-R)	105.28	34.31
28 46 21 33-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	153.51	34.31
28 46 21 33-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	163.80	34.31
28 46 21 33-0772	EA	6" Motor Bell (Siemens MBDC-6)	118.14	34.31
28 46 21 33-0773	EA	10" Motor Bell (Siemens MBDC-10)	127.79	34.31
28 46 21 33-0774		**Mounting Accessories** *(28 46 21 33-0737)*		
28 46 21 33-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	30.60	11.43
28 46 21 33-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	30.60	11.43
28 46 21 33-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	31.24	11.43
28 46 21 33-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	46.67	11.43
28 46 21 33-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	38.31	11.43
28 46 21 33-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	40.24	11.43
28 46 21 33-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	42.82	11.43
28 46 21 33-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	35.10	11.43
28 46 21 33-0783	EA	Semi-Flush Plate (Siemens SFPS-R)	29.95	11.43
28 46 21 33-0784	EA	Square Surface Backbox (Siemens SHBBS-R)	35.10	11.43
28 46 21 33-0785	EA	Horn Adapter Plate (Siemens SHMPS-R)	33.81	11.43
28 46 21 33-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	30.60	11.43
28 46 21 33-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	38.31	11.43
28 46 21 33-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	40.24	11.43

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R)	38.96	11.43
28 46 21 33-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	42.82	11.43
28 46 21 33-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	42.82	11.43
28 46 21 33-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	42.82	11.43
28 46 21 33-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	40.24	11.43
28 46 21 33-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	40.24	11.43
28 46 21 33-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	30.60	11.43
28 46 21 33-0796	EA	Z Series Backbox (Siemens ZBB-R)	33.81	11.43
28 46 21 33-0797		**Door Holders** *(28 46 21 33-0737)*		
28 46 21 33-0798	EA	120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	234.54	34.31
28 46 21 33-0799	EA	24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	234.54	34.31
28 46 21 33-0800		**Voice Equipment** *(28 46 21 33-0544)*		
28 46 21 33-0801		**Voicecom** *(28 46 21 33-0800)*		
28 46 21 33-0802	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,561.32	457.49
28 46 21 33-0803	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,522.77	457.49
28 46 21 33-0804		**Johnson Controls Fire Alarm** *(28 46 21 33)*		
28 46 21 33-0805	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	143.60	34.31
28 46 21 33-0806	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	142.21	34.31
28 46 21 33-0807	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	174.15	34.31
28 46 21 33-0808	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	173.70	34.31
28 46 21 33-0809	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	458.15	45.75
28 46 21 33-0810	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	136.48	34.31
28 46 21 33-0811	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	123.27	34.31
28 46 21 33-0812	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	120.46	34.31
28 46 21 33-0813	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	335.86	34.31
28 46 21 33-0814	EA	100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100)	1,594.24	68.62
28 46 21 33-0815	EA	AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E)	1,545.52	68.62
28 46 21 33-0816	EA	120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120)	1,571.80	68.62
28 46 21 33-0817	EA	AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E)	1,506.18	68.62
28 46 21 33-0818	EA	30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30)	747.97	68.62
28 46 21 33-0819	EA	AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E)	747.97	68.62
28 46 21 33-0820	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	730.22	22.88
28 46 21 33-0821	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	759.15	22.88
28 46 21 33-0822	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	560.09	22.88
28 46 21 33-0823	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	560.09	22.88
28 46 21 33-0824	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	397.83	22.88
28 46 21 33-0825	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	1,271.61	45.75
28 46 21 33-0826	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	560.09	22.88
28 46 21 33-0827	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	581.83	22.88
28 46 21 33-0828	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	503.03	22.88
28 46 21 33-0829	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	503.03	22.88
28 46 21 33-0830	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	91.32	20.58
28 46 21 33-0831	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	774.01	45.75
28 46 21 33-0832	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	1,664.98	45.75
28 46 21 33-0833	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	774.01	45.75
28 46 21 33-0834	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	1,664.98	45.75
28 46 21 33-0835	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	34.68	11.43
28 46 21 33-0836	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	85.44	11.43
28 46 21 33-0837	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	80.85	11.43
28 46 21 33-0838	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	36.64	11.43
28 46 21 33-0839	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	33.38	11.43
28 46 21 33-0840	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	569.49	45.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0841	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,317.36	68.62
28 46 21 33-0842	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,391.12	68.62
28 46 21 33-0843	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	155.64	11.43
28 46 21 33-0844	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	106.48	11.43
28 46 21 33-0845	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	1,318.44	68.62
28 46 21 33-0846	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	1,219.01	68.62
28 46 21 33-0847	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	1,219.01	68.62
28 46 21 33-0848	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	1,425.85	68.62
28 46 21 33-0849	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	1,317.36	68.62
28 46 21 33-0850	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	1,317.36	68.62
28 46 21 33-0851	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	1,317.36	68.62
28 46 21 33-0852	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	1,570.24	68.62
28 46 21 33-0853	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	1,570.24	68.62
28 46 21 33-0854	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	1,570.24	68.62
28 46 21 33-0855	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	169.73	22.88
28 46 21 33-0856	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	255.72	22.88
28 46 21 33-0857	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	26.14	9.15
28 46 21 33-0858	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	28.16	9.15
28 46 21 33-0859	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	65.28	13.73
28 46 21 33-0860	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	32.69	9.15
28 46 21 33-0861	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	40.43	11.43
28 46 21 33-0862	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	257.18	22.88
28 46 21 33-0863	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	430.79	45.75
28 46 21 33-0864	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	370.48	68.62
28 46 21 33-0865	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	502.91	68.62
28 46 21 33-0866	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	547.17	68.62
28 46 21 33-0867	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	278.21	9.15
28 46 21 33-0868	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	417.56	9.15
28 46 21 33-0869	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	458.54	9.15
28 46 21 33-0870	EA	6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6)	754.16	91.50
28 46 21 33-0871	EA	8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8)	758.94	91.50
28 46 21 33-0872	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	712.56	68.62
28 46 21 33-0873	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	131.06	11.43
28 46 21 33-0874	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	367.33	22.88
28 46 21 33-0875	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	203.26	34.31
28 46 21 33-0876	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	168.38	34.31
28 46 21 33-0877	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	176.32	34.31
28 46 21 33-0878	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	1,332.26	45.75
28 46 21 33-0879	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	1,623.31	45.75
28 46 21 33-0880	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	494.12	22.88
28 46 21 33-0881	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320)	3,448.48	365.98
28 46 21 33-0882	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	1,637.44	45.75
28 46 21 33-0883	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	21,864.41	548.98
28 46 21 33-0884	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	23,831.26	548.98
28 46 21 33-0885	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	26,781.54	548.98
28 46 21 33-0886	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	23,831.26	548.98
28 46 21 33-0887	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	163.16	13.73
28 46 21 33-0888	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	182.84	13.73
28 46 21 33-0889	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	198.57	13.73
28 46 21 33-0890	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	365.75	13.73
28 46 21 33-0891	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	120.57	9.15
28 46 21 33-0892	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	190.98	20.58
28 46 21 33-0893	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR)	202.26	20.58
28 46 21 33-0894	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	363.73	20.58
28 46 21 33-0895	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	357.59	9.15
28 46 21 33-0896	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	480.52	9.15
28 46 21 33-0897	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	593.61	9.15
28 46 21 33-0898	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	176.22	22.88
28 46 21 33-0899	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	81.55	9.15
28 46 21 33-0900	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	3,441.04	365.98
28 46 21 33-0901	EA	Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640)	2,488.89	274.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0902	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	4,417.39	365.98
28 46 21 33-0903	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	4,207.40	274.49
28 46 21 33-0904	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	3,066.83	274.49
28 46 21 33-0905	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	1,625.68	34.31
28 46 21 33-0906	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	1,642.10	34.31
28 46 21 33-0907	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	1,642.10	34.31
28 46 21 33-0908	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	1,945.76	45.75
28 46 21 33-0909	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2)	1,652.19	45.75
28 46 21 33-0910	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	1,532.41	274.49
28 46 21 33-0911	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	1,179.78	45.75
28 46 21 33-0912	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	974.20	45.75
28 46 21 33-0913	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	1,555.22	45.75
28 46 21 33-0914	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	480.16	11.43
28 46 21 33-0915	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	156.95	9.15
28 46 21 33-0916	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	192.36	9.15
28 46 21 33-0917	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	387.74	11.43
28 46 21 33-0918	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	707.35	11.43
28 46 21 33-0919	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	1,277.50	11.43
28 46 21 33-0920	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	104.89	11.43
28 46 21 33-0921	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	164.09	11.43
28 46 21 33-0922	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	83.44	11.43
28 46 21 33-0923	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	115.02	11.43
28 46 21 33-0924	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	91.73	11.43
28 46 21 33-0925	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	146.35	11.43
28 46 21 33-0926	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	166.18	11.43
28 46 21 33-0927	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	95.95	11.43
28 46 21 33-0928	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	1,358.87	34.31
28 46 21 33-0929	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	1,205.20	22.88
28 46 21 33-0930	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	1,114.73	22.88
28 46 21 33-0931	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	43.57	4.58
28 46 21 33-0932	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	976.47	22.88
28 46 21 33-0933	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	930.32	22.88
28 46 21 33-0934	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	2,369.45	45.75
28 46 21 33-0935	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	662.76	22.88
28 46 21 33-0936	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	182.52	9.15
28 46 21 33-0937	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	422.41	22.88
28 46 21 33-0938	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	422.41	22.88
28 46 21 33-0939	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	114.68	9.15
28 46 21 33-0940	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	31.39	4.58
28 46 21 33-0941	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	31.39	4.58
28 46 21 33-0942	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR)	127.63	34.31
28 46 21 33-0943	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH)	141.39	34.31
28 46 21 33-0944	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	166.28	38.89
28 46 21 33-0945	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	164.31	38.89
28 46 21 33-0946	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,027.76	91.50
28 46 21 33-0947	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	811.39	91.50
28 46 21 33-0948	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW)	127.63	34.31
28 46 21 33-0949	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH)	141.39	34.31
28 46 21 33-0950	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P)	127.63	34.31
28 46 21 33-0951	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	24.54	9.15
28 46 21 33-0952	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	24.93	4.58
28 46 21 33-0953	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	28.09	4.58
28 46 21 33-0954	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	24.96	4.58
28 46 21 33-0955	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR)	118.14	34.31
28 46 21 33-0956	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH)	141.39	34.31
28 46 21 33-0957	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	166.28	38.89
28 46 21 33-0958	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P)	141.39	34.31
28 46 21 33-0959	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	164.31	38.89
28 46 21 33-0960	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P)	127.63	34.31
28 46 21 33-0961	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW)	127.63	34.31
28 46 21 33-0962	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH)	141.39	34.31
28 46 21 33-0963	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P)	141.39	34.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0964	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P)	127.63	34.31
28 46 21 33-0965	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	159.57	11.43
28 46 21 33-0966	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	701.95	45.75
28 46 21 33-0967	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	186.80	45.75
28 46 21 33-0968	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	81.44	22.88
28 46 21 33-0969	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	81.44	22.88
28 46 21 33-0970	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	141.05	22.88
28 46 21 33-0971	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	152.45	22.88
28 46 21 33-0972	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	152.45	22.88
28 46 21 33-0973	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	136.52	22.88
28 46 21 33-0974	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	182.17	22.88
28 46 21 33-0975	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	141.05	22.88
28 46 21 33-0976	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	81.44	22.88
28 46 21 33-0977	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	81.44	22.88
28 46 21 33-0978	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	152.45	22.88
28 46 21 33-0979	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	141.05	22.88
28 46 21 33-0980	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	141.05	22.88

28 46 21 33-0981 Honeywell Fire Alarm *(28 46 21 33)*

28 46 21 33-0982 Notifier Fire Alarm *(28 46 21 33-0981)*

28 46 21 33-0983 Fire Alarm Control Panel And Accessories *(28 46 21 33-0982)*

28 46 21 33-0984	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	4,152.04	457.49
28 46 21 33-0985	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,478.90	457.49
28 46 21 33-0986	EA	Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	4,144.12	457.49
28 46 21 33-0987	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	4,269.28	457.49
28 46 21 33-0988	EA	Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	4,163.69	457.49
28 46 21 33-0989	EA	Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	4,163.69	457.49
28 46 21 33-0990	EA	Two-Tone Sequential Module (Notifier 2TTM)	214.35	22.88
28 46 21 33-0991	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	64.17	4.58
28 46 21 33-0992	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	124.78	9.15
28 46 21 33-0993	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	189.84	13.73
28 46 21 33-0994	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	298.15	
28 46 21 33-0995	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	42.59	
28 46 21 33-0996	EA	120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	4,077.61	457.49
28 46 21 33-0997	EA	240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	4,077.61	457.49
28 46 21 33-0998	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	160.89	4.58
28 46 21 33-0999	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	49.08	4.58
28 46 21 33-1000	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	62.67	9.15
28 46 21 33-1001	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	70.80	11.43
28 46 21 33-1002	EA	IP Communicator (Notifier IPDACT-2)	539.12	22.88
28 46 21 33-1003	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	627.86	22.88
28 46 21 33-1004	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	144.25	22.88
28 46 21 33-1005	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	144.25	22.88
28 46 21 33-1006	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G)	751.89	34.31
28 46 21 33-1007	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	37.82	9.15
28 46 21 33-1008	EA	Loop Control Module (Notifier LCM-320)	1,419.30	45.75
28 46 21 33-1009	EA	Loop Expander Module (Notifier LEM-320)	1,231.00	45.75
28 46 21 33-1010	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,080.53	45.75
28 46 21 33-1011	EA	7' DACT Phone Cord (Notifier MCBL-7)	18.02	
28 46 21 33-1012	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	134.69	11.43
28 46 21 33-1013	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	157.56	22.88
28 46 21 33-1014	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	157.56	22.88
28 46 21 33-1015	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	600.35	22.88
28 46 21 33-1016	EA	Universal Zone Coder (Notifier UZC-256)	808.88	22.88
28 46 21 33-1017	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	245.19	
28 46 21 33-1018	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	552.13	
28 46 21 33-1019	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	367.56	
28 46 21 33-1020	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	3,776.55	13.73

28 46 21 33-1021 ONYX Cabinets *(28 46 21 33-0982)*

28 46 21 33-1022	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	348.54	11.43
28 46 21 33-1023	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	465.67	11.43
28 46 21 33-1024	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	573.93	11.43
28 46 21 33-1025	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	86.90	13.73
28 46 21 33-1026	EA	Chassis Bridge (Notifier CB-1)	76.12	11.43
28 46 21 33-1027	EA	Four Position Chassis (Notifier CHS-4)	128.48	11.43
28 46 21 33-1028	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	149.58	22.88
28 46 21 33-1029	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	68.71	13.73
28 46 21 33-1030	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	94.89	13.73
28 46 21 33-1031	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	271.01	22.88
28 46 21 33-1032	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	175.10	22.88
28 46 21 33-1033	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	344.91	34.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1034	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	217.33	34.31
28 46 21 33-1035	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	512.98	45.75
28 46 21 33-1036	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	318.52	45.75
28 46 21 33-1037	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	622.96	57.19
28 46 21 33-1038	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	371.31	57.19
28 46 21 33-1039	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	195.92	11.43
28 46 21 33-1040	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	131.14	11.43
28 46 21 33-1041	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	123.15	11.43
28 46 21 33-1042	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	196.80	11.43
28 46 21 33-1043	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	153.32	11.43
28 46 21 33-1044	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	250.04	11.43
28 46 21 33-1045	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	172.84	11.43
28 46 21 33-1046	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	301.51	11.43
28 46 21 33-1047	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	251.82	11.43
28 46 21 33-1048	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	447.93	11.43
28 46 21 33-1049	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	281.99	11.43
28 46 21 33-1050	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	535.77	11.43
28 46 21 33-1051	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4)	268.48	22.88
28 46 21 33-1052	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	390.93	22.88
28 46 21 33-1053	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	461.03	22.88
28 46 21 33-1054	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	288.00	22.88
28 46 21 33-1055	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	418.44	22.88
28 46 21 33-1056	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	486.77	22.88
28 46 21 33-1057	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	268.48	22.88
28 46 21 33-1058	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	390.93	22.88
28 46 21 33-1059	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R)	461.03	22.88
28 46 21 33-1060	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	288.00	22.88
28 46 21 33-1061	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	418.44	22.88
28 46 21 33-1062	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	486.77	22.88
28 46 21 33-1063	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,489.54	114.37
28 46 21 33-1064	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	245.41	22.88
28 46 21 33-1065	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4)	286.84	68.62
28 46 21 33-1066	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	403.85	91.50
28 46 21 33-1067	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	522.64	91.50
28 46 21 33-1068	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	637.02	114.37
28 46 21 33-1069	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	157.56	22.88
28 46 21 33-1070	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R)	157.56	22.88
28 46 21 33-1071	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	196.60	22.88
28 46 21 33-1072	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	268.48	22.88
28 46 21 33-1073	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	388.27	22.88
28 46 21 33-1074	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	457.49	22.88
28 46 21 33-1075	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	144.58	13.73
28 46 21 33-1076	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	144.58	13.73
28 46 21 33-1077	EA	Black, “AA” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	188.95	13.73
28 46 21 33-1078	EA	Black, “A” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	154.34	13.73
28 46 21 33-1079	EA	Black, “B” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	154.34	13.73
28 46 21 33-1080	EA	Black, “C” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	152.57	13.73
28 46 21 33-1081	EA	Black, “D” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	156.12	13.73
28 46 21 33-1082	EA	2” Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B)	63.39	13.73
28 46 21 33-1083	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2)	40.65	4.58
28 46 21 33-1084		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 21 33-0982)*		
28 46 21 33-1085	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	91.68	13.73
28 46 21 33-1086	EA	Blank Module Dress Plate (Notifier BM-1B)	76.73	13.73
28 46 21 33-1087	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	86.40	13.73
28 46 21 33-1088	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	190.59	11.43
28 46 21 33-1089	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	195.33	34.31
28 46 21 33-1090	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	95.20	13.73
28 46 21 33-1091		**NFS-3030/640 Cabinet Mechanicals** *(28 46 21 33-0982)*		
28 46 21 33-1092	EA	Annunciator Dress Plate (Notifier ADP-4B)	87.28	13.73
28 46 21 33-1093	EA	Blank Module Dress Plate (Notifier BMP-1)	56.49	13.73
28 46 21 33-1094	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	124.50	22.88
28 46 21 33-1095	EA	Module Dress Plate (Notifier MP-1B)	88.16	13.73
28 46 21 33-1096		**Battery Cabinets** *(28 46 21 33-0982)*		
28 46 21 33-1097	EA	Six Position Chassis (Notifier CHS-6)	82.97	22.88
28 46 21 33-1098	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	395.95	68.62
28 46 21 33-1099		**Digital Voice** *(28 46 21 33-0982)*		
28 46 21 33-1100	EA	Chassis Used With BB-XP (Notifier 18439)	41.07	11.43
28 46 21 33-1101	EA	220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,642.80	34.31
28 46 21 33-1102	EA	220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,596.65	34.31
28 46 21 33-1103	EA	220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E)	768.75	34.31
28 46 21 33-1104	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	391.55	34.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1105	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	530.58	45.75
28 46 21 33-1106	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	660.80	57.19
28 46 21 33-1107	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	675.78	22.88
28 46 21 33-1108	EA	Single Mode Audio Fiber Link Receiver (Notifier AFL-RS)	1,493.03	22.88
28 46 21 33-1109	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	675.78	22.88
28 46 21 33-1110	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,493.03	22.88
28 46 21 33-1111	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	84.55	11.43
28 46 21 33-1112	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	135.57	11.43
28 46 21 33-1113	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	137.79	11.43
28 46 21 33-1114	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	136.02	11.43
28 46 21 33-1115	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	137.79	11.43
28 46 21 33-1116	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	259.81	11.43
28 46 21 33-1117	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	211.44	11.43
28 46 21 33-1118	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	57.95	
28 46 21 33-1119	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	453.94	22.88
28 46 21 33-1120	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	453.94	22.88
28 46 21 33-1121	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	79.67	11.43
28 46 21 33-1122	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	109.10	22.88
28 46 21 33-1123	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	327.32	34.31
28 46 21 33-1124	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	162.88	22.88
28 46 21 33-1125	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	162.88	22.88
28 46 21 33-1126	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	186.15	11.43
28 46 21 33-1127	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	213.66	11.43
28 46 21 33-1128	EA	120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,311.07	22.88
28 46 21 33-1129	EA	Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,064.42	22.88
28 46 21 33-1130	EA	Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,064.42	22.88
28 46 21 33-1131	EA	120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,353.31	22.88
28 46 21 33-1132	EA	Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,157.03	22.88
28 46 21 33-1133	EA	120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,405.23	22.88
28 46 21 33-1134	EA	Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,388.54	22.88
28 46 21 33-1135	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,388.54	22.88
28 46 21 33-1136	EA	220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,321.77	22.88
28 46 21 33-1137	EA	220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,364.37	22.88
28 46 21 33-1138	EA	220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	1,416.72	22.88
28 46 21 33-1139	EA	120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	905.60	22.88
28 46 21 33-1140	EA	220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	905.60	22.88
28 46 21 33-1141	EA	120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	963.28	22.88
28 46 21 33-1142	EA	220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	963.28	22.88
28 46 21 33-1143	EA	120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,000.55	22.88
28 46 21 33-1144	EA	220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,000.55	22.88
28 46 21 33-1145	EA	120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,058.23	22.88
28 46 21 33-1146	EA	220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,058.23	22.88
28 46 21 33-1147	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	92.09	11.43
28 46 21 33-1148	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	82.89	13.73
28 46 21 33-1149	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	95.20	13.73
28 46 21 33-1150	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	161.20	13.73
28 46 21 33-1151	EA	WPS Power Amplifier (Notifier DPA3204P)	533.80	22.88
28 46 21 33-1152	EA	WPS Power Amplifier (Notifier DPA4001P)	449.50	22.88
28 46 21 33-1153	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	941.98	22.88
28 46 21 33-1154	EA	120 VAC,125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP)	711.27	22.88
28 46 21 33-1155	EA	220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE)	711.27	22.88
28 46 21 33-1156	EA	Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,199.32	22.88
28 46 21 33-1157	EA	125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA)	489.43	22.88
28 46 21 33-1158	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	249.84	22.88
28 46 21 33-1159	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	249.84	22.88
28 46 21 33-1160	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	249.84	22.88
28 46 21 33-1161	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	107.87	22.88
28 46 21 33-1162	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	234.93	22.88
28 46 21 33-1163	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,321.63	22.88
28 46 21 33-1164	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	395.07	45.75
28 46 21 33-1165	EA	Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	188.40	
28 46 21 33-1166	EA	Fire Fighters Telephone Control With Master Handset (Notifier FFT-7)	1,365.84	45.75
28 46 21 33-1167	EA	Portable Fireman's Telephone Handset (Notifier FHS)	120.51	
28 46 21 33-1168	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	120.51	
28 46 21 33-1169	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	335.92	22.88
28 46 21 33-1170	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	335.92	22.88
28 46 21 33-1171	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	55.44	6.86
28 46 21 33-1172	EA	Paging Microphone Only (Notifier MIC-1)	161.02	22.88
28 46 21 33-1173	EA	Firefighter's Telephone Handset (Notifier TELH-1)	132.49	
28 46 21 33-1174	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	388.04	22.88
28 46 21 33-1175	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	388.04	22.88

28 46 21 33-1176 Amplifiers *(28 46 21 33-0982)*

28 46 21 33-1177	EA	30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30)	740.01	22.88
28 46 21 33-1178	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100)	1,606.73	22.88
28 46 21 33-1179	EA	120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120)	1,560.97	22.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1180	EA	Audio Coupling Transformer (Notifier ACT-1)	118.78	22.88
28 46 21 33-1181	EA	Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2)	138.14	22.88
28 46 21 33-1182	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	138.14	22.88
28 46 21 33-1183	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	138.14	22.88
28 46 21 33-1184	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	138.14	22.88
28 46 21 33-1185		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 21 33-0982)*		
28 46 21 33-1186	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	3,049.54	457.49
28 46 21 33-1187	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,211.45	457.49
28 46 21 33-1188	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	2,813.39	457.49
28 46 21 33-1189	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,600.55	457.49
28 46 21 33-1190	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,961.71	457.49
28 46 21 33-1191		**System Printer** *(28 46 21 33-0982)*		
28 46 21 33-1192	EA	80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,596.17	22.88
28 46 21 33-1193		**Batteries** *(28 46 21 33-0982)*		
28 46 21 33-1194	EA	5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	450.39	22.88
28 46 21 33-1195	EA	7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	346.68	22.88
28 46 21 33-1196	EA	12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	454.03	22.88
28 46 21 33-1197	EA	18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	267.49	22.88
28 46 21 33-1198	EA	26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	371.32	22.88
28 46 21 33-1199	EA	55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550)	370.44	22.88
28 46 21 33-1200	EA	100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000)	585.84	22.88
28 46 21 33-1201		**Battery Backboxes And Miscellaneous Mechanicals** *(28 46 21 33-0982)*		
28 46 21 33-1202	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17)	115.57	18.30
28 46 21 33-1203	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	177.68	18.30
28 46 21 33-1204	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	322.02	91.50
28 46 21 33-1205	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH)	154.50	45.75
28 46 21 33-1206	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1)	69.91	11.43
28 46 21 33-1207	EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25)	195.43	18.30
28 46 21 33-1208	EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	151.95	18.30
28 46 21 33-1209	EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	167.92	18.30
28 46 21 33-1210	EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	182.12	18.30
28 46 21 33-1211		**Power Supplies And Chargers** *(28 46 21 33-0982)*		
28 46 21 33-1212	EA	120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610)	1,133.45	34.31
28 46 21 33-1213	EA	220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,133.45	34.31
28 46 21 33-1214	EA	Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,127.17	22.88
28 46 21 33-1215	EA	6A Auxiliary Power Supply (Notifier APS-6R)	576.38	22.88
28 46 21 33-1216	EA	10 Amp Battery Charger (Notifier BC10A)	716.39	34.31
28 46 21 33-1217	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	422.27	27.45
28 46 21 33-1218	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	422.27	27.45
28 46 21 33-1219	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	605.95	27.45
28 46 21 33-1220	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	605.95	27.45
28 46 21 33-1221	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	114.96	22.88
28 46 21 33-1222	EA	25 To 120 Amp Hour Battery Charger (Notifier CHG-120)	870.23	22.88
28 46 21 33-1223	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	65.47	11.43
28 46 21 33-1224	EA	Replacement Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	102.74	11.43
28 46 21 33-1225	EA	8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	578.98	22.88
28 46 21 33-1226	EA	8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E)	674.99	68.62
28 46 21 33-1227	EA	Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R)	674.99	68.62
28 46 21 33-1228	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8)	769.94	68.62
28 46 21 33-1229	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	769.94	68.62
28 46 21 33-1230	EA	Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	734.14	34.31
28 46 21 33-1231	EA	Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	734.14	34.31
28 46 21 33-1232	EA	12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12)	889.43	34.31
28 46 21 33-1233	EA	12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	889.43	34.31
28 46 21 33-1234	EA	Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	923.15	68.62
28 46 21 33-1235	EA	Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	923.15	68.62
28 46 21 33-1236	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	643.93	68.62
28 46 21 33-1237	EA	6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	643.93	68.62
28 46 21 33-1238	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	694.51	68.62
28 46 21 33-1239	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	694.51	68.62
28 46 21 33-1240	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	558.75	68.62
28 46 21 33-1241	EA	9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	658.13	68.62

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1242	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	133.80	11.43
28 46 21 33-1243	EA	Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	832.90	22.88
28 46 21 33-1244	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	155.78	22.88
28 46 21 33-1245		**Network Control Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1246	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,589.12	68.62
28 46 21 33-1247	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	63.53	13.73
28 46 21 33-1248	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	46.81	13.73
28 46 21 33-1249		**FIRSTVISION Firefighter's Display** *(28 46 21 33-0982)*		
28 46 21 33-1250	EA	Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	12,388.97	457.49
28 46 21 33-1251		**FlashScan Addressable Modules** *(28 46 21 33-0982)*		
28 46 21 33-1252	EA	Intelligent Addressable Control Module (Notifier FCM-1)	141.66	22.88
28 46 21 33-1253	EA	Addressable Dual Monitor Module (Notifier FDM-1)	157.50	22.88
28 46 21 33-1254	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	118.78	22.88
28 46 21 33-1255	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	106.46	22.88
28 46 21 33-1256	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	212.93	22.88
28 46 21 33-1257	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	136.38	22.88
28 46 21 33-1258	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	176.86	22.88
28 46 21 33-1259	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	117.02	22.88
28 46 21 33-1260		**Addressable Device Bases And Accessories** *(28 46 21 33-0982)*		
28 46 21 33-1261	EA	Intelligent Detector Base With Flange (Notifier B710LP)	40.48	11.43
28 46 21 33-1262	EA	Weatherproof Device Housing (Notifier DH400OE-1)	354.60	22.88
28 46 21 33-1263		**XP6/XP10 Transponder** *(28 46 21 33-0982)*		
28 46 21 33-1264	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	106.02	22.88
28 46 21 33-1265	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	506.83	22.88
28 46 21 33-1266	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	612.42	22.88
28 46 21 33-1267	EA	Six Relay Control Module (Notifier XP6-R)	487.47	22.88
28 46 21 33-1268	EA	Ten Input Monitor Module (Notifier XP10-M)	586.02	22.88
28 46 21 33-1269		**LCD Display Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1270	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	660.80	68.62
28 46 21 33-1271	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	920.38	68.62
28 46 21 33-1272	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	952.06	68.62
28 46 21 33-1273	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	626.08	22.88
28 46 21 33-1274	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	334.14	22.88
28 46 21 33-1275	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	812.43	22.88
28 46 21 33-1276		**ONYX ACM And AEM Series LED Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1277	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	368.75	22.88
28 46 21 33-1278	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	669.61	22.88
28 46 21 33-1279	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	513.87	22.88
28 46 21 33-1280	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	669.61	22.88
28 46 21 33-1281	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	513.87	22.88
28 46 21 33-1282	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	513.87	22.88
28 46 21 33-1283	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	461.07	22.88
28 46 21 33-1284	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	513.87	22.88
28 46 21 33-1285	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	461.07	22.88
28 46 21 33-1286		**Graphic Annunciator - Lamp Driver Modules** *(28 46 21 33-0982)*		
28 46 21 33-1287	EA	Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	219.97	45.75
28 46 21 33-1288	EA	Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	238.45	45.75
28 46 21 33-1289	EA	Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	275.40	57.19
28 46 21 33-1290	EA	Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	299.15	57.19
28 46 21 33-1291	EA	Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	478.64	80.06
28 46 21 33-1292	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	85.08	13.73
28 46 21 33-1293	EA	Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	144.74	45.75
28 46 21 33-1294	EA	Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	119.60	11.43
28 46 21 33-1295	EA	Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	178.61	45.75
28 46 21 33-1296	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	311.47	57.19
28 46 21 33-1297	EA	Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	221.65	11.43
28 46 21 33-1298	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	502.40	80.06
28 46 21 33-1299	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	372.63	13.73
28 46 21 33-1300	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	145.74	18.30
28 46 21 33-1301	EA	Annunciator Key Switch (Notifier AKS-1B)	71.41	6.86
28 46 21 33-1302	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	83.15	22.88
28 46 21 33-1303	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	461.07	22.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1304	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	136.04	4.58
28 46 21 33-1305	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	169.76	4.58
28 46 21 33-1306	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	381.00	22.88
28 46 21 33-1307	EA	Lamp Driver Module (Notifier LDM-R32)	666.01	22.88
28 46 21 33-1308	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	618.10	22.88
28 46 21 33-1309	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	172.42	4.58
28 46 21 33-1310	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	142.81	13.73
28 46 21 33-1311	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	88.68	13.73
28 46 21 33-1312	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	88.68	13.73

28 46 21 33-1313 Network Gateways *(28 46 21 33-0982)*

28 46 21 33-1314	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	2,485.99	22.88
28 46 21 33-1315	EA	PC Version, Receivers Gateway (Notifier DACR-GW)	1,944.70	22.88
28 46 21 33-1316	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,855.96	22.88
28 46 21 33-1317	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,077.80	22.88
28 46 21 33-1318	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,308.52	22.88
28 46 21 33-1319	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,767.23	22.88
28 46 21 33-1320	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,811.60	22.88
28 46 21 33-1321	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,037.87	22.88
28 46 21 33-1322	EA	Modbus Gateway (Notifier MODBUS-GW)	1,944.70	22.88
28 46 21 33-1323	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,367.53	15.10
28 46 21 33-1324	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,529.08	15.10
28 46 21 33-1325	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	11,196.76	15.10
28 46 21 33-1326	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	459.06	34.31
28 46 21 33-1327	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	836.19	34.31
28 46 21 33-1328	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,217.75	34.31
28 46 21 33-1329	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	931.73	
28 46 21 33-1330	EA	Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	931.73	
28 46 21 33-1331	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	1,928.78	22.88
28 46 21 33-1332	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,928.78	22.88
28 46 21 33-1333	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,832.06	22.88
28 46 21 33-1334	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,302.36	22.88
28 46 21 33-1335	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,832.06	22.88
28 46 21 33-1336	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,928.78	22.88
28 46 21 33-1337	EA	E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	931.73	
28 46 21 33-1338	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	931.73	
28 46 21 33-1339	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	17,724.72	548.98
28 46 21 33-1340	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,732.43	
28 46 21 33-1341	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,732.43	
28 46 21 33-1342	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	863.90	22.88
28 46 21 33-1343	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	701.51	22.88
28 46 21 33-1344	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	840.82	22.88
28 46 21 33-1345	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	928.67	22.88
28 46 21 33-1346	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,944.70	22.88
28 46 21 33-1347	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,607.50	22.88
28 46 21 33-1348	EA	Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,774.72	

28 46 21 33-1349 NOTI-FIRE-NET Network Components *(28 46 21 33-0982)*

28 46 21 33-1350	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,928.78	22.88
28 46 21 33-1351	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	861.44	22.88
28 46 21 33-1352	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	1,928.78	22.88
28 46 21 33-1353	EA	Wired Network Communications Module (Notifier NCM-W)	820.96	22.88
28 46 21 33-1354	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	80.30	11.43

28 46 21 33-1355 FireWarden Addressable Fire Panels *(28 46 21 33-0982)*

28 46 21 33-1356	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,755.28	457.49
28 46 21 33-1357	EA	Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	2,067.66	457.49
28 46 21 33-1358	EA	Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	2,077.40	228.74
28 46 21 33-1359	EA	Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	2,077.40	228.74
28 46 21 33-1360	EA	Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	2,077.40	228.74

28 46 21 33-1361 FireWarden Accessories *(28 46 21 33-0982)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1362	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	156.47	34.31
28 46 21 33-1363	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	155.58	34.31
28 46 21 33-1364		**FireWarden Devices** *(28 46 21 33-0982)*		
28 46 21 33-1365	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	116.14	22.88
28 46 21 33-1366	EA	Intelligent Addressable Control Module (Notifier NC-100)	137.26	22.88
28 46 21 33-1367	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	131.98	22.88
28 46 21 33-1368	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	280.69	34.31
28 46 21 33-1369	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	336.25	34.31
28 46 21 33-1370	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	131.98	22.88
28 46 21 33-1371	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	137.25	34.31
28 46 21 33-1372	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	137.25	34.31
28 46 21 33-1373	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	137.25	34.31
28 46 21 33-1374	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	183.01	34.31
28 46 21 33-1375	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	114.38	22.88
28 46 21 33-1376	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	104.26	22.88
28 46 21 33-1377	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	153.54	22.88
28 46 21 33-1378	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	143.41	34.31
28 46 21 33-1379	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	171.58	22.88
28 46 21 33-1380	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	598.34	22.88
28 46 21 33-1381		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 21 33-0982)*		
28 46 21 33-1382	EA	120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,171.93	365.98
28 46 21 33-1383	EA	120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,285.44	365.98
28 46 21 33-1384	EA	240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E)	901.17	114.37
28 46 21 33-1385	EA	240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E)	1,015.64	114.37
28 46 21 33-1386	EA	Class A Converter Module (Notifier CAC-4)	302.20	22.88
28 46 21 33-1387	EA	Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B)	101.99	13.73
28 46 21 33-1388	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	103.76	13.73
28 46 21 33-1389	EA	Remote Zone Annunciator (Notifier RZA-4X)	152.03	34.31
28 46 21 33-1390		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 21 33-0982)*		
28 46 21 33-1391	EA	120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,790.48	457.49
28 46 21 33-1392	EA	120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	2,721.24	343.12
28 46 21 33-1393	EA	240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	1,797.88	228.74
28 46 21 33-1394	EA	Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	1,797.88	228.74
28 46 21 33-1395	EA	Class A Converter Module (Notifier N-CAC-5X)	302.20	22.88
28 46 21 33-1396	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	120.62	13.73
28 46 21 33-1397		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 21 33-0982)*		
28 46 21 33-1398	EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	3,351.75	457.49
28 46 21 33-1399	EA	240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	2,507.38	343.12
28 46 21 33-1400	EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	2,036.86	457.49
28 46 21 33-1401	EA	Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	2,964.86	457.49
28 46 21 33-1402	EA	Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	513.86	68.62
28 46 21 33-1403		**Smoke Detectors** *(28 46 21 33-0982)*		
28 46 21 33-1404	EA	Intelligent Addressable Beam Smoke Detector (Notifier FSB-200)	1,289.44	45.75
28 46 21 33-1405	EA	Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S)	1,466.91	45.75
28 46 21 33-1406	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	195.33	34.31
28 46 21 33-1407	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	323.80	34.31
28 46 21 33-1408	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	809.47	34.31
28 46 21 33-1409	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851)	159.25	34.31
28 46 21 33-1410	EA	Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R)	162.68	34.31
28 46 21 33-1411	EA	Intelligent Addressable Thermal Detector (Notifier FST-851)	132.85	34.31
28 46 21 33-1412	EA	Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	132.85	34.31
28 46 21 33-1413	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R)	132.85	34.31
28 46 21 33-1414	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	146.71	34.31
28 46 21 33-1415	EA	Filters For Harsh Detector (Notifier RF-FTX)	17.73	
28 46 21 33-1416	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	118.56	22.88
28 46 21 33-1417		**Pull Stations** *(28 46 21 33-0982)*		
28 46 21 33-1418	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	25.12	4.58
28 46 21 33-1419	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2)	54.82	11.43
28 46 21 33-1420	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	54.82	11.43
28 46 21 33-1421	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	76.36	22.88
28 46 21 33-1422	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	83.02	22.88
28 46 21 33-1423	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	109.20	22.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1424	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	76.36	22.88
28 46 21 33-1425	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	86.12	22.88
28 46 21 33-1426	EA	Standard “Local” Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	86.12	22.88
28 46 21 33-1427	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	86.12	22.88
28 46 21 33-1428	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	82.13	22.88
28 46 21 33-1429	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	87.90	22.88
28 46 21 33-1430	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	609.50	27.45
28 46 21 33-1431	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	69.83	22.88
28 46 21 33-1432	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	89.09	22.88
28 46 21 33-1433	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	82.05	22.88
28 46 21 33-1434	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	182.49	27.45
28 46 21 33-1435	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	109.64	22.88
28 46 21 33-1436	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	96.77	22.88
28 46 21 33-1437	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	154.42	22.88
28 46 21 33-1438	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	38.43	4.58
28 46 21 33-1439		**Rate Compensation Heat Detectors** *(28 46 21 33-0982)*		
28 46 21 33-1440	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	146.05	34.31
28 46 21 33-1441	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	146.05	34.31
28 46 21 33-1442		**FM Series Door Releases** *(28 46 21 33-0982)*		
28 46 21 33-1443	EA	1/2" Door Holder Spacer (Notifier FM900-50)	24.29	6.86
28 46 21 33-1444	EA	3/4" Door Holder Spacer (Notifier FM900-75)	24.29	6.86
28 46 21 33-1445	EA	1" Door Holder Spacer (Notifier FM900-100)	24.29	6.86
28 46 21 33-1446	EA	Door Holder Extension Kit (Notifier FM900)	25.61	6.86
28 46 21 33-1447	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	26.05	6.86
28 46 21 33-1448	EA	Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	175.09	34.31
28 46 21 33-1449	EA	Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	153.09	34.31
28 46 21 33-1450	EA	Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998)	153.09	34.31
28 46 21 33-1451		**Multicriteria Fire Detector** *(28 46 21 33-0982)*		
28 46 21 33-1452	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	263.84	34.31
28 46 21 33-1453	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	244.32	34.31
28 46 21 33-1454	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	160.91	34.31
28 46 21 33-1455		**Modules** *(28 46 21 33-0982)*		
28 46 21 33-1456	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	296.87	22.88
28 46 21 33-1457	EA	Addressable Firephone Control Module (Notifier FTM-1)	177.08	22.88
28 46 21 33-1458		**DH Series Door Releases** *(28 46 21 33-0982)*		
28 46 21 33-1459	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	152.03	34.31
28 46 21 33-1460	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	161.26	34.31
28 46 21 33-1461	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	170.67	34.31
28 46 21 33-1462	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	168.00	34.31
28 46 21 33-1463	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	175.99	34.31
28 46 21 33-1464	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	182.20	34.31
28 46 21 33-1465	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	152.03	34.31
28 46 21 33-1466	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	160.91	34.31
28 46 21 33-1467	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	170.67	34.31
28 46 21 33-1468	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	191.96	34.31
28 46 21 33-1469	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	204.39	34.31
28 46 21 33-1470	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	218.58	34.31
28 46 21 33-1471	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	222.13	34.31
28 46 21 33-1472	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	236.33	34.31
28 46 21 33-1473	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	254.08	34.31
28 46 21 33-1474	EA	.5” Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	17.67	4.58
28 46 21 33-1475	EA	.5” Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	17.67	4.58
28 46 21 33-1476	EA	.5” Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	19.09	4.58
28 46 21 33-1477	EA	1” Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	17.67	4.58
28 46 21 33-1478	EA	1” Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	17.67	4.58
28 46 21 33-1479	EA	1” Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	19.09	4.58
28 46 21 33-1480	EA	1.5” Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	18.73	4.58
28 46 21 33-1481	EA	1.5” Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	18.73	4.58
28 46 21 33-1482	EA	1.5” Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	19.09	4.58
28 46 21 33-1483	EA	1.5” Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	20.15	4.58
28 46 21 33-1484	EA	2” Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	20.15	4.58
28 46 21 33-1485	EA	2” Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	20.15	4.58
28 46 21 33-1486	EA	2” Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	20.69	4.58
28 46 21 33-1487	EA	2” Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	21.04	4.58

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1488	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	21.04	4.58
28 46 21 33-1489	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	22.11	4.58
28 46 21 33-1490	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	22.11	4.58
28 46 21 33-1491	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	22.46	4.58
28 46 21 33-1492	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	22.46	4.58
28 46 21 33-1493	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	23.35	4.58
28 46 21 33-1494	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	26.01	4.58
28 46 21 33-1495	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	23.35	4.58
28 46 21 33-1496	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	24.41	4.58
28 46 21 33-1497	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	26.01	4.58
28 46 21 33-1498	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	24.91	6.86
28 46 21 33-1499	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	25.62	6.86
28 46 21 33-1500	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	27.93	6.86
28 46 21 33-1501	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	44.43	6.86
28 46 21 33-1502	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	47.27	6.86
28 46 21 33-1503	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	50.11	6.86
28 46 21 33-1504	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	42.05	11.43
28 46 21 33-1505	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	44.18	11.43
28 46 21 33-1506	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	47.19	11.43
28 46 21 33-1507	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	239.59	
28 46 21 33-1508	EA	Two Piece Extension Wrench (Notifier DHW)	2.66	

28 46 21 33-1509 First Command *(28 46 21 33-0982)*

28 46 21 33-1510	EA	Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	4,781.79	571.85
28 46 21 33-1511	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	4,781.79	571.85
28 46 21 33-1512	EA	Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,288.64	45.75
28 46 21 33-1513	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,288.64	45.75
28 46 21 33-1514	EA	Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	2,346.37	45.75
28 46 21 33-1515	EA	Black, , 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	2,346.37	45.75
28 46 21 33-1516	EA	50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	511.61	22.88
28 46 21 33-1517	EA	50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	511.61	22.88
28 46 21 33-1518	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	348.34	22.88
28 46 21 33-1519	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	489.43	22.88
28 46 21 33-1520	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	1,740.31	45.75
28 46 21 33-1521	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	1,683.52	45.75
28 46 21 33-1522	EA	Black, Remote Microphone (Notifier NFC-RM)	483.00	
28 46 21 33-1523	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	1,425.29	45.75
28 46 21 33-1524	EA	Remote Telephone Zone Module (Notifier NFC-RTZM)	645.61	22.88
28 46 21 33-1525	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	264.93	22.88
28 46 21 33-1526	EA	Firefighters Phone Jack (Notifier N-FPJ)	121.99	6.86
28 46 21 33-1527	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	35.03	6.86
28 46 21 33-1528	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	106.43	13.73

28 46 21 33-1529 LED Displays *(28 46 21 33-0982)*

28 46 21 33-1530	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,164.10	27.45
28 46 21 33-1531	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	1,972.15	36.59
28 46 21 33-1532	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,025.39	36.59
28 46 21 33-1533	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	1,359.87	36.59
28 46 21 33-1534	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	2,069.76	36.59
28 46 21 33-1535	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,025.39	36.59

28 46 21 33-1536 Control Relays *(28 46 21 33-0982)*

28 46 21 33-1537	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	53.05	11.43
28 46 21 33-1538	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	42.40	11.43
28 46 21 33-1539	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	138.04	22.88
28 46 21 33-1540	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	85.00	11.43
28 46 21 33-1541	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	100.97	11.43
28 46 21 33-1542	EA	24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	123.84	22.88
28 46 21 33-1543	EA	120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	123.84	22.88
28 46 21 33-1544	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	79.47	22.88
28 46 21 33-1545	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	45.51	11.43
28 46 21 33-1546	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	156.67	22.88
28 46 21 33-1547	EA	24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	59.95	22.88
28 46 21 33-1548	EA	12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	59.95	22.88
28 46 21 33-1549	EA	9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	59.95	22.88

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1550		Gamewell-FCI Fire Control Instruments *(28 46 21 33-0982)*		
28 46 21 33-1551		7100 Series And NetSOLO® *(28 46 21 33-1550)*		
28 46 21 33-1552		7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 21 33-1551)*		
28 46 21 33-1553	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	768.66	274.49
28 46 21 33-1554	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,176.84	457.49
28 46 21 33-1555	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,432.54	457.49
28 46 21 33-1556	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E)	3,176.84	457.49
28 46 21 33-1557	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E)	3,432.54	457.49
28 46 21 33-1558	EA	Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1)	879.30	45.75
28 46 21 33-1559	EA	Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,050.36	45.75
28 46 21 33-1560	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,050.36	45.75
28 46 21 33-1561		NetSOLO® Intelligent Network *(28 46 21 33-1551)*		
28 46 21 33-1562	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	1,162.90	45.75
28 46 21 33-1563	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	927.92	45.75
28 46 21 33-1564		Components And Accessories *(28 46 21 33-1551)*		
28 46 21 33-1565	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	578.21	34.31
28 46 21 33-1566	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	448.03	45.75
28 46 21 33-1567	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	805.47	45.75
28 46 21 33-1568	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	336.39	45.75
28 46 21 33-1569	EA	Replacement Enclosure Box (Gamewell-FCI EN-7100)	297.33	91.50
28 46 21 33-1570	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	830.85	22.88
28 46 21 33-1571		E3 Series® Basic System *(28 46 21 33-1550)*		
28 46 21 33-1572	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	795.61	45.75
28 46 21 33-1573	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	689.71	45.75
28 46 21 33-1574	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	795.61	45.75
28 46 21 33-1575	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	689.71	45.75
28 46 21 33-1576	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	500.40	45.75
28 46 21 33-1577	EA	Power Supply Module (Gamewell-FCI PM-9)	649.61	45.75
28 46 21 33-1578	EA	Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	549.68	45.75
28 46 21 33-1579	EA	Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	534.08	22.88
28 46 21 33-1580	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	320.96	45.75
28 46 21 33-1581	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	826.95	45.75
28 46 21 33-1582	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	696.03	45.75
28 46 21 33-1583	EA	Local Operating Console (Gamewell-FCI 1100-0455)	466.54	34.31
28 46 21 33-1584	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,471.14	34.31
28 46 21 33-1585	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	597.63	45.75
28 46 21 33-1586	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,781.16	45.75
28 46 21 33-1587	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	446.28	91.50
28 46 21 33-1588	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	338.92	91.50
28 46 21 33-1589	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	75.57	22.88
28 46 21 33-1590	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	424.65	45.75
28 46 21 33-1591	EA	LED Driver module (Gamewell-FCI ANU-48)	424.65	45.75
28 46 21 33-1592	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	1,235.03	34.31
28 46 21 33-1593		Addressable Devices, Module, Pulls And Accessories *(28 46 21 33-1550)*		
28 46 21 33-1594		Velociti® Series Sensors And Bases *(28 46 21 33-1593)*		
28 46 21 33-1595	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	142.45	34.31
28 46 21 33-1596	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	145.15	34.31
28 46 21 33-1597	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	153.25	34.31
28 46 21 33-1598	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	120.84	34.31
28 46 21 33-1599	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	125.34	34.31
28 46 21 33-1600	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	120.84	34.31
28 46 21 33-1601	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	172.16	34.31
28 46 21 33-1602	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	361.23	34.31
28 46 21 33-1603	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	316.95	57.19
28 46 21 33-1604	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	352.96	57.19
28 46 21 33-1605	EA	Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	183.70	57.19
28 46 21 33-1606	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	37.29	11.43
28 46 21 33-1607	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	388.24	34.31
28 46 21 33-1608	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	79.15	11.43
28 46 21 33-1609	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,352.71	68.62
28 46 21 33-1610		Velociti® Series Modules And Pull Station *(28 46 21 33-1593)*		
28 46 21 33-1611	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	102.92	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1612	EA	Dual Style "B", Class “B” Addressable Monitor Module (Gamewell-FCI AMM-2IF)	160.09	22.88
28 46 21 33-1613	EA	Style "D", Class “A” Addressable Monitor Module (Gamewell-FCI AMM-4F)	111.93	22.88
28 46 21 33-1614	EA	Subloop Style "D", Class “A” Addressable Monitor Module (Gamewell-FCI AMM-4SF)	153.79	22.88
28 46 21 33-1615	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	129.93	22.88
28 46 21 33-1616	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	134.43	22.88
28 46 21 33-1617	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	193.69	45.75
28 46 21 33-1618	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	138.49	22.88
28 46 21 33-1619	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	22.66	4.58
28 46 21 33-1620		**Components And Accessories** *(28 46 21 33-1593)*		
28 46 21 33-1621	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	59.10	18.30
28 46 21 33-1622	EA	Up To 2’ Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	29.55	9.15
28 46 21 33-1623	EA	>2' To 4’ Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	31.35	9.15
28 46 21 33-1624	EA	>4' To 8’ Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	37.74	11.43
28 46 21 33-1625	EA	>8' To 10’ Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	58.96	13.73
28 46 21 33-1626	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	87.01	18.30
28 46 21 33-1627		**Fixed And Rate of Rise Heat Detectors** *(28 46 21 33-1593)*		
28 46 21 33-1628	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	83.93	34.31
28 46 21 33-1629	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	83.93	34.31
28 46 21 33-1630	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	83.93	34.31
28 46 21 33-1631	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	83.93	34.31
28 46 21 33-1632		**NAC Expander/Power Supply** *(28 46 21 33-1593)*		
28 46 21 33-1633	EA	FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,380.21	365.98
28 46 21 33-1634	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,209.15	365.98
28 46 21 33-1635	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,294.68	365.98
28 46 21 33-1636		**Batteries And Accessories** *(28 46 21 33-1550)*		
28 46 21 33-1637	EA	B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	200.61	22.88
28 46 21 33-1638	EA	B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	494.12	22.88
28 46 21 33-1639	EA	B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	110.57	22.88
28 46 21 33-1640	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	254.46	45.75
28 46 21 33-1641	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	254.46	45.75
28 46 21 33-1642	EA	12”H x 12”W x 24”L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	228.35	45.75
28 46 21 33-1643		**Electronic Door Holders** *(28 46 21 33-1550)* Note: Rixson products.		
28 46 21 33-1644	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	35.62	4.58
28 46 21 33-1645	EA	FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000)	284.70	34.31
28 46 21 33-1646	EA	FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	382.84	34.31
28 46 21 33-1647	EA	FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	186.92	34.31
28 46 21 33-1648	EA	FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003)	178.82	34.31
28 46 21 33-1649	EA	FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004)	186.92	34.31
28 46 21 33-1650	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	186.56	34.31
28 46 21 33-1651		**SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes** *(28 46 21 33-1550)* See CSI section 28 46 21 33-1839 for devices.		
28 46 21 33-1652		**SpectrAlert® Advance Accessories** *(28 46 21 33-1550)* See CSI section 28 46 21 33-1839 for backboxes, 28 46 21 33-2104 for backboxes.		
28 46 21 33-1653		**Fire Alarm Programming** *(28 46 21 33-1550)* Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 33-1654	EA	Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 33-1655	EA	Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1656	EA	Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1657		**Fire-Lite Fire Alarm** *(28 46 21 33-0981)*		
28 46 21 33-1658		**Addressable Control Panels** *(28 46 21 33-1657)*		
28 46 21 33-1659	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,433.21	457.49
28 46 21 33-1660	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,559.30	457.49
28 46 21 33-1661	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,211.13	457.49
28 46 21 33-1662	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	3,221.56	457.49
28 46 21 33-1663	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	3,101.25	457.49
28 46 21 33-1664		**Silent Knight Fire Alarm** *(28 46 21 33-0981)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1665	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,278.39	228.74
28 46 21 33-1666	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,371.79	137.25
28 46 21 33-1667	EA	50 Watt Amplifier (Silent Knight EVS-50W)	960.67	91.50
28 46 21 33-1668	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,691.78	91.50
28 46 21 33-1669	EA	Voice Evacuation System (Silent Knight SKE-450)	1,619.32	91.50
28 46 21 33-1670	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	1,347.58	91.50
28 46 21 33-1671	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,391.20	137.25
28 46 21 33-1672	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,031.84	91.50
28 46 21 33-1673	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	794.47	91.50
28 46 21 33-1674	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	688.41	91.50
28 46 21 33-1675	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	221.00	34.31
28 46 21 33-1676	EA	Photoelectric Detector (Silent Knight SK-PHOTO)	129.96	34.31
28 46 21 33-1677	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	136.30	34.31
28 46 21 33-1678	EA	Ionization Smoke Detector (Silent Knight SK-ION)	137.01	34.31
28 46 21 33-1679	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	120.63	34.31
28 46 21 33-1680	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	126.42	34.31
28 46 21 33-1681	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	128.55	34.31
28 46 21 33-1682	EA	Sounder Base (Silent Knight B200SR)	75.04	11.43
28 46 21 33-1683	EA	Intelligent Sounder Base (Silent Knight B200S)	79.27	11.43
28 46 21 33-1684	EA	Isolator Base (Silent Knight B224BI)	63.07	11.43
28 46 21 33-1685	EA	Relay Base (Silent Knight B224RB)	63.76	11.43
28 46 21 33-1686	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	139.22	34.31
28 46 21 33-1687	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT)	218.35	34.31
28 46 21 33-1688	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	746.66	34.31
28 46 21 33-1689	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	851.47	34.31
28 46 21 33-1690	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2)	163.66	34.31
28 46 21 33-1691	EA	Supervised Control Module (Silent Knight SK-CONTROL)	137.86	34.31
28 46 21 33-1692	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	445.03	45.75
28 46 21 33-1693	EA	Relay Control Module (Silent Knight SK-RELAY)	116.35	22.88
28 46 21 33-1694	EA	Six Relay Control Module (Silent Knight SK-RELAY-6)	430.62	45.75
28 46 21 33-1695	EA	Zone Interface Module (Silent Knight SK-ZONE)	140.58	34.31
28 46 21 33-1696	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	513.11	45.75
28 46 21 33-1697	EA	Monitor Module (Silent Knight SK-MONITOR)	122.20	34.31
28 46 21 33-1698	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	497.41	45.75
28 46 21 33-1699	EA	Monitor Module (Silent Knight SK-MINIMON)	114.45	34.31
28 46 21 33-1700	EA	Fault Isolator Module (Silent Knight SK-ISO)	126.42	34.31
28 46 21 33-1701	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	124.32	34.31
28 46 21 33-1702	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	134.31	34.31
28 46 21 33-1703	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	126.42	34.31
28 46 21 33-1704	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	91.27	11.43
28 46 21 33-1705	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	86.32	11.43
28 46 21 33-1706	EA	6" Isolator Base (Silent Knight SD505-6IB)	78.58	11.43
28 46 21 33-1707	EA	Addressable Input Module (Silent Knight SD500-AIM)	125.73	34.31
28 46 21 33-1708	EA	Addressable Notification Module (Silent Knight SD500-ANM)	152.80	34.31
28 46 21 33-1709	EA	Addressable Relay Module (Silent Knight SD500-ARM)	137.86	34.31
28 46 21 33-1710	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	518.28	68.62
28 46 21 33-1711	EA	Loop Isolation Module (Silent Knight SD500-LIM)	130.65	34.31
28 46 21 33-1712	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	101.45	22.88
28 46 21 33-1713	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	128.57	22.88
28 46 21 33-1714	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	123.14	22.88
28 46 21 33-1715	EA	Back Box (Silent Knight SK-PSSMBB)	59.32	18.30
28 46 21 33-1716	EA	Smoke Detector Module (Silent Knight SD500-SDM)	144.65	34.31
28 46 21 33-1717	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	35.77	11.43
28 46 21 33-1718	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	35.77	11.43
28 46 21 33-1719	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	227.63	34.31
28 46 21 33-1720	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	292.56	34.31
28 46 21 33-1721	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	129.25	34.31
28 46 21 33-1722	EA	Intelligent Power Module (Silent Knight 5895XL)	744.71	91.50
28 46 21 33-1723	EA	Addressable Power Supply (Silent Knight 5496)	520.90	68.62
28 46 21 33-1724	EA	Relay Interface Board (Silent Knight 5883)	198.13	22.88
28 46 21 33-1725	EA	Remote LED Annunciator (Silent Knight 5865-3)	407.05	45.75
28 46 21 33-1726	EA	Remote LED Annunciator (Silent Knight 5865-4)	459.19	45.75
28 46 21 33-1727	EA	Remote LCD Annunciator (Silent Knight SK-5860)	443.64	68.62
28 46 21 33-1728	EA	Serial/Parallel Printer Interface (Silent Knight 5824)	280.29	22.88
28 46 21 33-1729	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880)	331.79	34.31
28 46 21 33-1730	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	123.14	22.88
28 46 21 33-1731	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	425.30	68.62
28 46 21 33-1732	EA	Communicator (Silent Knight IPGSM-4G)	610.10	45.75
28 46 21 33-1733	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	971.02	91.50
28 46 21 33-1734	EA	10 Zone Expander (Silent Knight SK-5217)	271.02	22.88
28 46 21 33-1735	EA	Remote Annunciator (Silent Knight SK-5235)	279.66	45.75
28 46 21 33-1736	EA	Status Display Module (Silent Knight 5280)	84.53	22.88
28 46 21 33-1737	EA	Serial/Parallel Module (Silent Knight 5824)	326.04	45.75
28 46 21 33-1738	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	566.64	91.50
28 46 21 33-1739	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	577.11	91.50
28 46 21 33-1740	EA	Dress Panel (Silent Knight SK-DP2/4)	109.19	22.88
28 46 21 33-1741	EA	Class A Convertor (Silent Knight SK-CAC4)	275.34	34.31
28 46 21 33-1742	EA	Transmitter Module (Silent Knight SK-4XTM	151.44	34.31
28 46 21 33-1743	EA	LED Interface Module (Silent Knight SK-4XLM	140.58	34.31
28 46 21 33-1744	EA	110 VAC Transformer, 3-6A (Silent Knight SK-XRM24)	139.43	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1745	EA	Remote Annunciator (Silent Knight SK-RZA4)	140.58	34.31
28 46 21 33-1746	EA	Zone Relay Module (Silent Knight SK-4XZM)	150.08	34.31
28 46 21 33-1747	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	494.61	91.50
28 46 21 33-1748	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	123.14	22.88
28 46 21 33-1749	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	72.04	22.88
28 46 21 33-1750	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	77.28	22.88
28 46 21 33-1751	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	75.81	22.88
28 46 21 33-1752	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	68.62	22.88
28 46 21 33-1753	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	144.51	27.45
28 46 21 33-1754	EA	6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	490.78	68.62
28 46 21 33-1755	EA	9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	548.39	68.62
28 46 21 33-1756	EA	Detector (Silent Knight IDP-PhotoR)	178.52	34.31
28 46 21 33-1757	EA	Monitoring Module (Silent Knight IDP)	178.61	34.31
28 46 21 33-1758	EA	Cabinet (Silent Knight SK-5207)	252.93	68.62
28 46 21 33-1759	EA	Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	334.95	22.88
28 46 21 33-1760	EA	I/O Input-Output Module (Silent Knight SK-2880)	450.63	22.88
28 46 21 33-1761	EA	Remote Annunciator (Silent Knight RA-2000)	1,294.05	68.62
28 46 21 33-1762	EA	Power Supply (Silent Knight 5195/96)	797.67	22.88
28 46 21 33-1763	EA	8 Zone Expander (Silent Knight SK-5210)	624.15	22.88
28 46 21 33-1764	EA	LCD Remote Annunciator (Silent Knight SK-5230)	266.41	45.75
28 46 21 33-1765	EA	Ionization Smoke Detector (Silent Knight SK-ION)	137.01	34.31
28 46 21 33-1766	EA	Addressable Relay Module (Silent Knight IDP-Relay)	155.38	34.31
28 46 21 33-1767	EA	Telephone Line Monitor (Silent Knight SK-7150)	97.81	22.88
28 46 21 33-1768	EA	Serial Driver Board (Silent Knight SK-2884)	174.15	22.88
28 46 21 33-1769	EA	Smoke Detector Base (Silent Knight IDP-6AB)	51.80	11.43
28 46 21 33-1770	EA	Mini Input Module (Silent Knight IDP-MINIMON)	132.51	22.88
28 46 21 33-1771	EA	Status Display Module (Silent Knight SK-4180)	462.20	22.88
28 46 21 33-1772	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	277.11	22.88
28 46 21 33-1773	EA	Serial Parallel Module (Silent Knight SK-4824)	253.97	22.88
28 46 21 33-1774	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	913.35	22.88
28 46 21 33-1775	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	1,571.15	91.50
28 46 21 33-1776	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	184.30	34.31
28 46 21 33-1777	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	155.38	34.31
28 46 21 33-1778	EA	Fire Slave Communicator Dialer (Silent Knight SK-5128)	298.00	22.88
28 46 21 33-1779	EA	Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	520.90	68.62
28 46 21 33-1780		**Alerton** *(28 46 21 33)*		
28 46 21 33-1781	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	430.79	6.86
28 46 21 33-1782		**Cooper Fire Alarm** *(28 46 21 33)*		
28 46 21 33-1783	EA	Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R)	152.23	22.88
28 46 21 33-1784	EA	Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,520.67	38.89
28 46 21 33-1785	EA	Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	3,319.30	38.89
28 46 21 33-1786	EA	Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	1,224.66	45.75
28 46 21 33-1787	EA	Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	1,231.76	45.75
28 46 21 33-1788	EA	Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	1,231.76	45.75
28 46 21 33-1789	EA	Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	917.63	45.75
28 46 21 33-1790	EA	Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	917.63	45.75
28 46 21 33-1791	EA	Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	917.63	45.75
28 46 21 33-1792	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,231.76	45.75
28 46 21 33-1793	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,231.76	45.75
28 46 21 33-1794	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,231.76	45.75
28 46 21 33-1795	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	1,231.76	45.75
28 46 21 33-1796	EA	Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	1,231.76	45.75
28 46 21 33-1797	EA	Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	1,415.44	45.75
28 46 21 33-1798	EA	Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	1,316.06	45.75
28 46 21 33-1799	EA	Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	1,316.06	45.75
28 46 21 33-1800	EA	Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	1,316.06	45.75
28 46 21 33-1801		**Light Engineered Displays Message Boards** *(28 46 21 33)*		
28 46 21 33-1802	EA	Two Message Sign, “Announcement” And “Evacuate” (LED SP-2/MNS)	449.78	27.45
28 46 21 33-1803	EA	Four Message Sign, “Fire”, “Weather”, “Announcement”, “E Voltuate” (LED SP-4)	547.38	27.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1804		**STI Fire Alarm** *(28 46 21 33)*		
28 46 21 33-1805	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) Note: Include 9 VDC self contained battery.	106.27	13.73
28 46 21 33-1806	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	140.14	13.73
28 46 21 33-1807	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	94.32	13.73
28 46 21 33-1808	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	85.52	13.73
28 46 21 33-1809	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	75.85	13.73
28 46 21 33-1810	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	85.52	13.73
28 46 21 33-1811	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	85.33	13.73
28 46 21 33-1812	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	174.75	13.73
28 46 21 33-1813	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	113.68	13.73
28 46 21 33-1814	EA	Backplate For Polycarbonate Cover (STI-1280)	52.07	13.73
28 46 21 33-1815	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	36.55	13.73
28 46 21 33-1816	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	61.84	13.73
28 46 21 33-1817	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	117.96	13.73
28 46 21 33-1818	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	104.43	13.73
28 46 21 33-1819	EA	24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550)	548.33	13.73
28 46 21 33-1820	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	84.24	13.73
28 46 21 33-1821	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	77.59	13.73
28 46 21 33-1822	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	71.37	13.73
28 46 21 33-1823	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	77.59	13.73
28 46 21 33-1824	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	71.37	13.73
28 46 21 33-1825	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	77.59	13.73
28 46 21 33-1826	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	71.37	13.73
28 46 21 33-1827	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	130.38	13.73
28 46 21 33-1828	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	65.61	13.73
28 46 21 33-1829	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	65.61	13.73
28 46 21 33-1830	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	100.21	13.73
28 46 21 33-1831	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	100.21	13.73
28 46 21 33-1832	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	71.82	13.73
28 46 21 33-1833	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	71.82	13.73
28 46 21 33-1834	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	65.61	13.73
28 46 21 33-1835	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	71.37	13.73
28 46 21 33-1836	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	71.82	13.73
28 46 21 33-1837	EA	Yellow, “High Threat”, Push Button Station (STI SS-2201)	74.74	6.86
28 46 21 33-1838	EA	Gasket Kit For STI Covers (STI SUB-121)	33.02	
28 46 21 33-1839		**System Sensor Fire Alarm** *(28 46 21 33)*		
28 46 21 33-1840		**Smoke Detectors** *(28 46 21 33-1839)*		
28 46 21 33-1841	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	44.64	4.58
28 46 21 33-1842	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	182.19	4.58
28 46 21 33-1843	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	226.38	45.75
28 46 21 33-1844	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	166.93	45.75
28 46 21 33-1845	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	136.76	45.75
28 46 21 33-1846	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	125.81	34.31
28 46 21 33-1847	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	128.07	34.31
28 46 21 33-1848	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	131.97	34.31
28 46 21 33-1849	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	127.79	34.31
28 46 21 33-1850	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B)	136.95	34.31
28 46 21 33-1851	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	135.05	34.31
28 46 21 33-1852	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	164.45	34.31
28 46 21 33-1853	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	97.22	22.88
28 46 21 33-1854	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	109.64	22.88
28 46 21 33-1855	EA	Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	207.45	11.43
28 46 21 33-1856	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	71.68	11.43
28 46 21 33-1857		**Duct Smoke Detectors** *(28 46 21 33-1839)*		
28 46 21 33-1858	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	266.72	34.31
28 46 21 33-1859	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	269.61	34.31
28 46 21 33-1860	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	346.86	38.89
28 46 21 33-1861	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	175.30	22.88
28 46 21 33-1862	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	47.45	6.86
28 46 21 33-1863	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	150.98	18.30
28 46 21 33-1864	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	245.49	22.88
28 46 21 33-1865	EA	1’ Steel Sampling Tube (System Sensor DST1)	28.06	9.15
28 46 21 33-1866	EA	1.5’ Steel Sampling Tube (System Sensor DST1.5)	30.28	9.15
28 46 21 33-1867	EA	3’ Steel Sampling Tube (System Sensor DST3)	34.72	9.15
28 46 21 33-1868	EA	5’ Steel Sampling Tube (System Sensor DST5)	40.92	11.43
28 46 21 33-1869	EA	10’ Steel Sampling Tube (System Sensor DST10)	64.50	13.73
28 46 21 33-1870	EA	1’, Steel, Exhaust Tube Duct (System Sensor ETX)	31.17	9.15

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1871	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	72.35	11.43
28 46 21 33-1872	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	155.29	
28 46 21 33-1873	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	166.82	
28 46 21 33-1874		**Heat Detectors** *(28 46 21 33-1839)*		
28 46 21 33-1875	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	87.10	34.31
28 46 21 33-1876	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	87.10	34.31
28 46 21 33-1877	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	101.18	34.31
28 46 21 33-1878	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	101.18	34.31
28 46 21 33-1879		**Horns** *(28 46 21 33-1839)*		
28 46 21 33-1880	EA	Red, Mini Horn (System Sensor MHR)	93.02	34.31
28 46 21 33-1881	EA	White, Mini Horn (System Sensor MHW)	93.02	34.31
28 46 21 33-1882	EA	White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW)	105.45	34.31
28 46 21 33-1883	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	117.70	38.89
28 46 21 33-1884	EA	Red, Interior, Wall Mounted, Horn (System Sensor HR)	105.14	34.31
28 46 21 33-1885	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	125.81	34.31
28 46 21 33-1886		**Wall Mounted Horns/Strobes** *(28 46 21 33-1839)*		
28 46 21 33-1887	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R)	136.06	34.31
28 46 21 33-1888	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	141.38	34.31
28 46 21 33-1889	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	180.70	38.89
28 46 21 33-1890	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	180.70	38.89
28 46 21 33-1891	EA	Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF)	189.30	34.31
28 46 21 33-1892	EA	Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	194.01	38.89
28 46 21 33-1893	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	170.50	38.89
28 46 21 33-1894	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	175.38	38.89
28 46 21 33-1895	EA	Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	152.92	34.31
28 46 21 33-1896	EA	Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	136.06	34.31
28 46 21 33-1897	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W)	136.06	34.31
28 46 21 33-1898	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	142.27	34.31
28 46 21 33-1899	EA	Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF)	189.30	34.31
28 46 21 33-1900	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	180.70	38.89
28 46 21 33-1901	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	180.70	38.89
28 46 21 33-1902	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	141.38	34.31
28 46 21 33-1903	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	175.38	38.89
28 46 21 33-1904	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	175.38	38.89
28 46 21 33-1905	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	136.06	34.31
28 46 21 33-1906	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	153.97	34.31
28 46 21 33-1907	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	157.49	34.31
28 46 21 33-1908	EA	Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	181.60	38.89
28 46 21 33-1909	EA	Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	171.83	38.89
28 46 21 33-1910	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	154.69	34.31
28 46 21 33-1911	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	177.15	38.89
28 46 21 33-1912	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	182.48	38.89
28 46 21 33-1913		**Ceiling Mounted Horns/Strobes** *(28 46 21 33-1839)*		
28 46 21 33-1914	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R)	136.06	34.31
28 46 21 33-1915	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	143.16	34.31
28 46 21 33-1916	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	180.70	38.89

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1917	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	175.38	38.89
28 46 21 33-1918	EA	Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	136.95	34.31
28 46 21 33-1919	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W)	136.06	34.31
28 46 21 33-1920	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	143.16	34.31
28 46 21 33-1921	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	180.70	38.89
28 46 21 33-1922	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	143.16	34.31
28 46 21 33-1923	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	175.38	38.89
28 46 21 33-1924	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	136.06	34.31
28 46 21 33-1925	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R)	153.97	34.31
28 46 21 33-1926	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	157.49	34.31
28 46 21 33-1927	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	154.69	34.31

28 46 21 33-1928 Wall Mounted Strobes *(28 46 21 33-1839)*

28 46 21 33-1929	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	53.05	11.43
28 46 21 33-1930	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	99.19	11.43
28 46 21 33-1931	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	122.30	34.31
28 46 21 33-1932	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	134.61	34.31
28 46 21 33-1933	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	163.12	38.89
28 46 21 33-1934	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	161.36	38.89
28 46 21 33-1935	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	162.07	38.89
28 46 21 33-1936	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	142.55	38.89
28 46 21 33-1937	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	122.75	34.31
28 46 21 33-1938	EA	White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	122.75	34.31
28 46 21 33-1939	EA	White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	132.51	34.31
28 46 21 33-1940	EA	White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	129.85	34.31
28 46 21 33-1941	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	135.17	34.31
28 46 21 33-1942	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	134.28	34.31
28 46 21 33-1943	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	134.28	34.31
28 46 21 33-1944	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	163.84	38.89
28 46 21 33-1945	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	163.84	38.89
28 46 21 33-1946	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	163.84	38.89
28 46 21 33-1947	EA	Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	146.10	38.89
28 46 21 33-1948	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	162.07	38.89
28 46 21 33-1949	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	162.07	38.89
28 46 21 33-1950	EA	White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P)	121.86	34.31
28 46 21 33-1951	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	18.91	4.58
28 46 21 33-1952	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	18.91	4.58
28 46 21 33-1953	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	18.91	4.58
28 46 21 33-1954	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	18.91	4.58

28 46 21 33-1955 Ceiling Mounted Strobes *(28 46 21 33-1839)*

28 46 21 33-1956	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR)	122.30	34.31
28 46 21 33-1957	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	136.37	34.31
28 46 21 33-1958	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	163.12	38.89
28 46 21 33-1959	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	163.12	38.89
28 46 21 33-1960	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW)	122.75	34.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1961	EA	Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT)	129.85	34.31
28 46 21 33-1962	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	136.95	34.31
28 46 21 33-1963	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	163.84	38.89
28 46 21 33-1964	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	162.07	38.89
28 46 21 33-1965	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	123.64	34.31
28 46 21 33-1966	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	18.91	4.58
28 46 21 33-1967	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	18.91	4.58
28 46 21 33-1968	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	18.91	4.58
28 46 21 33-1969	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	18.91	4.58
28 46 21 33-1970		**Wall Mounted Speakers** *(28 46 21 33-1839)*		
28 46 21 33-1971	EA	24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	289.57	34.31
28 46 21 33-1972	EA	Red, Wall Mounted Speaker (System Sensor SPR)	102.94	34.31
28 46 21 33-1973	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	148.93	34.31
28 46 21 33-1974	EA	Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	130.57	38.89
28 46 21 33-1975	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	112.62	34.31
28 46 21 33-1976	EA	White, Wall Mounted Speaker (System Sensor SPW)	103.23	34.31
28 46 21 33-1977	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	158.08	38.89
28 46 21 33-1978	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	112.99	34.31
28 46 21 33-1979		**Ceiling Mounted Speakers** *(28 46 21 33-1839)*		
28 46 21 33-1980	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR)	102.94	34.31
28 46 21 33-1981	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	148.25	34.31
28 46 21 33-1982	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	112.62	34.31
28 46 21 33-1983	EA	White, Ceiling Mounted Speaker (System Sensor SPCW)	103.23	34.31
28 46 21 33-1984	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	112.99	34.31
28 46 21 33-1985	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	158.08	38.89
28 46 21 33-1986		**Wall Mounted Speakers/Strobes** *(28 46 21 33-1839)*		
28 46 21 33-1987	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW)	107.18	11.43
28 46 21 33-1988	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW)	53.05	11.43
28 46 21 33-1989	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR)	158.37	34.31
28 46 21 33-1990	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	168.05	34.31
28 46 21 33-1991	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	222.08	38.89
28 46 21 33-1992	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	223.30	38.89
28 46 21 33-1993	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	191.35	38.89
28 46 21 33-1994	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P)	159.13	34.31
28 46 21 33-1995	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	162.77	34.31
28 46 21 33-1996	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT)	178.65	34.31
28 46 21 33-1997	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	226.85	38.89
28 46 21 33-1998	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW)	159.13	34.31
28 46 21 33-1999	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	168.89	34.31
28 46 21 33-2000	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	168.89	34.31
28 46 21 33-2001	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	223.30	38.89
28 46 21 33-2002	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	223.30	38.89
28 46 21 33-2003	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P)	159.13	34.31
28 46 21 33-2004	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	163.57	34.31
28 46 21 33-2005	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	163.57	34.31
28 46 21 33-2006		**Ceiling Mounted Speakers/Strobes** *(28 46 21 33-1839)*		
28 46 21 33-2007	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR)	158.37	34.31
28 46 21 33-2008	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	169.81	34.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2009	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	162.77	34.31
28 46 21 33-2010	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	159.13	34.31
28 46 21 33-2011	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	170.67	34.31
28 46 21 33-2012	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	168.89	34.31
28 46 21 33-2013	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	225.96	38.89
28 46 21 33-2014	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	168.89	34.31
28 46 21 33-2015	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	226.85	38.89
28 46 21 33-2016	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	223.30	38.89
28 46 21 33-2017	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	159.13	34.31
28 46 21 33-2018	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	163.57	34.31
28 46 21 33-2019	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	168.89	34.31
28 46 21 33-2020	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	163.57	34.31
28 46 21 33-2021	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	168.63	34.31
28 46 21 33-2022		**Electric Alarm Bells** *(28 46 21 33-1839)*		
28 46 21 33-2023	EA	6" 24 Volt DC Alarm Bell (System Sensor SSM24-6)	122.75	34.31
28 46 21 33-2024	EA	8" 24 Volt DC Alarm Bell (System Sensor SSM24-8)	132.51	34.31
28 46 21 33-2025	EA	10" 24 Volt DC Alarm Bell (System Sensor SSM24-10)	155.05	34.31
28 46 21 33-2026	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	119.21	34.77
28 46 21 33-2027	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	120.38	34.77
28 46 21 33-2028	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	127.77	34.77
28 46 21 33-2029		**Device Bases** *(28 46 21 33-1839)*		
28 46 21 33-2030	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	91.21	11.43
28 46 21 33-2031	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	88.99	11.43
28 46 21 33-2032	EA	Intelligent Isolator Base (System Sensor B224BI)	73.68	11.43
28 46 21 33-2033	EA	Intelligent Relay Base (System Sensor B224RB)	74.79	11.43
28 46 21 33-2034	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	43.07	11.43
28 46 21 33-2035		**Boxes, Plates And Decals** *(28 46 21 33-1839)*		
28 46 21 33-2036	EA	Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP)	37.52	11.43
28 46 21 33-2037	EA	Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP)	70.49	13.73
28 46 21 33-2038	EA	Conventional Flanged Mounting Base (System Sensor B210LP)	36.19	11.43
28 46 21 33-2039	EA	120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	68.14	11.43
28 46 21 33-2040	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	60.15	11.43
28 46 21 33-2041	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	66.36	11.43
28 46 21 33-2042	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	60.15	11.43
28 46 21 33-2043	EA	Red Retrofit Plate (System Sensor RFP)	29.35	6.86
28 46 21 33-2044	EA	White Retrofit Plate (System Sensor RFPW)	29.35	6.86
28 46 21 33-2045	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	51.28	11.43
28 46 21 33-2046	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	52.61	11.43
28 46 21 33-2047	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR)	43.73	11.43
28 46 21 33-2048	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	43.73	11.43
28 46 21 33-2049	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	37.52	11.43
28 46 21 33-2050	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	41.96	11.43
28 46 21 33-2051	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	41.96	11.43
28 46 21 33-2052	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	37.52	11.43
28 46 21 33-2053	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	37.08	11.43
28 46 21 33-2054	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	37.08	11.43
28 46 21 33-2055	EA	Red, Wall Mounted, Trim Ring (System Sensor TR)	15.63	4.58
28 46 21 33-2056	EA	Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	15.63	4.58
28 46 21 33-2057	EA	White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	15.63	4.58
28 46 21 33-2058	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	13.54	4.58
28 46 21 33-2059	EA	White, Wall Mounted, Trim Ring (System Sensor TRW)	15.63	4.58
28 46 21 33-2060	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	19.98	
28 46 21 33-2061	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	27.76	
28 46 21 33-2062	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	19.98	
28 46 21 33-2063	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	27.76	
28 46 21 33-2064		**Chimes** *(28 46 21 33-1839)*		
28 46 21 33-2065	EA	Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	108.55	34.31
28 46 21 33-2066	EA	White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	108.55	34.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2067		**Chime/Strobes** *(28 46 21 33-1839)*		
28 46 21 33-2068	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	191.96	34.31
28 46 21 33-2069	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	191.96	34.31
28 46 21 33-2070		**Carbon Monoxide Detectors** *(28 46 21 33-1839)*		
28 46 21 33-2071	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	202.81	45.75
28 46 21 33-2072	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	180.87	34.31
28 46 21 33-2073	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	12.70	4.58
28 46 21 33-2074		**Switches** *(28 46 21 33-1839)*		
28 46 21 33-2075	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	152.83	18.30
28 46 21 33-2076	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	170.58	18.30
28 46 21 33-2077	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	152.83	18.30
28 46 21 33-2078	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	170.58	18.30
28 46 21 33-2079	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	156.38	18.30
28 46 21 33-2080	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	147.51	18.30
28 46 21 33-2081		**Low Frequency Sounders** *(28 46 21 33-1839)*		
28 46 21 33-2082	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	137.83	34.31
28 46 21 33-2083	EA	White, Low Frequency Sounder (System Sensor HW-LF)	137.83	34.31
28 46 21 33-2084		**Sync Modules** *(28 46 21 33-1839)*		
28 46 21 33-2085	EA	Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	121.18	22.88
28 46 21 33-2086	EA	White, 12/24 VDC, Sync Module (System Sensor MDL3W)	121.18	22.88
28 46 21 33-2087		**Relays** *(28 46 21 33-1839)*		
28 46 21 33-2088	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	69.16	18.30
28 46 21 33-2089	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	44.53	11.43
28 46 21 33-2090	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	127.59	11.43
28 46 21 33-2091	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	94.09	11.43
28 46 21 33-2092	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	74.21	18.30
28 46 21 33-2093	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	45.95	11.43
28 46 21 33-2094	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	143.56	11.43
28 46 21 33-2095	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	107.18	11.43
28 46 21 33-2096	EA	18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	38.85	11.43
28 46 21 33-2097	EA	10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	38.85	11.43
28 46 21 33-2098	EA	Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	38.85	11.43
28 46 21 33-2099		**Remote Annunciator** *(28 46 21 33-1839)*		
28 46 21 33-2100	EA	Remote Annunciator (System Sensor RA100Z)	80.86	34.31
28 46 21 33-2101	EA	Remote LED Annunciator (System Sensor RA100ZA)	85.83	34.31
28 46 21 33-2102		**Remote Test Station** *(28 46 21 33-1839)*		
28 46 21 33-2103	EA	Remote Test Station With Key (System Sensor RTS151KEY)	107.80	34.31
28 46 21 33-2104		**Wheelock Fire Alarm** *(28 46 21 33)*		
28 46 21 33-2105		**Ceiling Mounted Chimes/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2106	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	223.02	34.31
28 46 21 33-2107		**Wall Mounted Chimes/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2108	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	223.02	34.31
28 46 21 33-2109	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	223.02	34.31
28 46 21 33-2110		**Ceiling Mounted Horns/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2111	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	140.50	34.31
28 46 21 33-2112	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	140.50	34.31
28 46 21 33-2113		**Wall Mounted Horns/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2114	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	150.26	34.31
28 46 21 33-2115	EA	Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	169.78	34.31

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2116	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	158.24	34.31
28 46 21 33-2117	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	158.24	34.31
28 46 21 33-2118	EA	Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	161.79	34.31
28 46 21 33-2119	EA	Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	155.14	34.31
28 46 21 33-2120	EA	Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	154.69	34.31
28 46 21 33-2121	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	174.49	38.89
28 46 21 33-2122	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	140.94	34.31
28 46 21 33-2123	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	140.94	34.31
28 46 21 33-2124		**Ceiling Mounted Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2125	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	125.85	34.31
28 46 21 33-2126	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	125.85	34.31
28 46 21 33-2127	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	128.07	34.31
28 46 21 33-2128	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	128.07	34.31
28 46 21 33-2129		**Wall Mounted Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2130	EA	Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	192.85	34.31
28 46 21 33-2131	EA	Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	157.36	34.31
28 46 21 33-2132	EA	Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	138.72	34.31
28 46 21 33-2133	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	129.85	34.31
28 46 21 33-2134	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	129.85	34.31
28 46 21 33-2135	EA	Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	142.71	34.31
28 46 21 33-2136	EA	Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	146.98	38.89
28 46 21 33-2137	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	128.07	34.31
28 46 21 33-2138	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	128.07	34.31
28 46 21 33-2139		**Ceiling Mounted Speakers/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2140	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	168.00	34.31
28 46 21 33-2141	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	168.00	34.31
28 46 21 33-2142	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	166.23	34.31
28 46 21 33-2143	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	168.00	34.31
28 46 21 33-2144	EA	White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	179.10	34.31
28 46 21 33-2145	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	183.09	34.31
28 46 21 33-2146		**Wall Mounted Speakers/Strobes** *(28 46 21 33-2104)*		
28 46 21 33-2147	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	184.86	34.31
28 46 21 33-2148	EA	White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	184.86	34.31
28 46 21 33-2149	EA	Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	179.10	34.31
28 46 21 33-2150	EA	White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	179.10	34.31
28 46 21 33-2151	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	168.00	34.31
28 46 21 33-2152	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	164.45	34.31
28 46 21 33-2153	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	179.10	34.31
28 46 21 33-2154	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	179.10	34.31
28 46 21 33-2155	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	183.09	34.31
28 46 21 33-2156	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	168.00	34.31
28 46 21 33-2157	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	164.45	34.31
28 46 21 33-2158	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	179.10	34.31
28 46 21 33-2159	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	183.09	34.31
28 46 21 33-2160	EA	Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	183.09	34.31
28 46 21 33-2161	EA	White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	183.09	34.31
28 46 21 33-2162	EA	Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	199.78	38.89
28 46 21 33-2163		**Electric Alarm Bells** *(28 46 21 33-2104)*		
28 46 21 33-2164	EA	6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	143.60	34.31
28 46 21 33-2165	EA	6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	143.60	34.31
28 46 21 33-2166	EA	10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	184.86	34.31
28 46 21 33-2167	EA	115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R)	1,241.10	38.89
28 46 21 33-2168	EA	Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	1,958.97	38.89

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2169	EA	Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R)	1,830.31	38.89
28 46 21 33-2170	EA	6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R)	116.98	34.31
28 46 21 33-2171	EA	10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R)	137.83	34.31
28 46 21 33-2172		**Horns** *(28 46 21 33-2104)*		
28 46 21 33-2173	EA	Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R)	104.11	34.31
28 46 21 33-2174	EA	Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR)	103.67	34.31
28 46 21 33-2175	EA	White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW)	103.67	34.31
28 46 21 33-2176	EA	Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNRC)	104.11	34.31
28 46 21 33-2177	EA	White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNWC)	104.11	34.31
28 46 21 33-2178	EA	Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	89.03	34.31
28 46 21 33-2179	EA	White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	89.03	34.31
28 46 21 33-2180	EA	Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R)	101.90	34.31
28 46 21 33-2181		**Speakers** *(28 46 21 33-2104)*		
28 46 21 33-2182	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R)	106.78	34.31
28 46 21 33-2183	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W)	106.78	34.31
28 46 21 33-2184	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R)	106.78	34.31
28 46 21 33-2185	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W)	104.56	34.31
28 46 21 33-2186	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	106.78	34.31
28 46 21 33-2187	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	106.78	34.31
28 46 21 33-2188	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	106.78	34.31
28 46 21 33-2189	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	106.78	34.31
28 46 21 33-2190	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R)	120.97	34.31
28 46 21 33-2191	EA	White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W)	120.97	34.31
28 46 21 33-2192	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W)	122.75	34.31
28 46 21 33-2193	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	135.62	34.31
28 46 21 33-2194	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	129.85	34.31
28 46 21 33-2195	EA	Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S)	245.20	34.31
28 46 21 33-2196	EA	Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR)	245.20	34.31
28 46 21 33-2197		**Sync Modules** *(28 46 21 33-2104)*		
28 46 21 33-2198	EA	12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	114.96	22.88
28 46 21 33-2199		**Boxes, Plates And Rings** *(28 46 21 33-2104)*		
28 46 21 33-2200	EA	4" Square, Red, Surface Backbox (Wheelock BB-R)	31.09	11.43
28 46 21 33-2201	EA	Standard 4" Square Box (Wheelock BB-STD)	28.74	11.43
28 46 21 33-2202	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC)	157.56	22.88
28 46 21 33-2203	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	157.56	22.88
28 46 21 33-2204	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	117.34	18.30
28 46 21 33-2205	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	16.91	4.58
28 46 21 33-2206	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	16.69	4.58
28 46 21 33-2207	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	40.18	11.43
28 46 21 33-2208	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	38.41	11.43
28 46 21 33-2209	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	41.07	11.43
28 46 21 33-2210	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	41.07	11.43
28 46 21 33-2211	EA	4" Square Backbox (Wheelock DBB-R)	33.08	11.43
28 46 21 33-2212	EA	Red, Surface Backbox (Wheelock IOB-R)	39.30	11.43
28 46 21 33-2213	EA	White, Surface, Backbox (Wheelock IOB-W)	39.30	11.43
28 46 21 33-2214	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	16.03	4.58
28 46 21 33-2215	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	16.69	4.58
28 46 21 33-2216	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	16.69	4.58
28 46 21 33-2217	EA	Red Retrofit Plate (Wheelock RP-R)	19.35	4.58
28 46 21 33-2218	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	27.78	4.58
28 46 21 33-2219	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	41.07	11.43
28 46 21 33-2220	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	41.07	11.43
28 46 21 33-2221	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	44.40	11.43
28 46 21 33-2222	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	17.36	4.58
28 46 21 33-2223	EA	White, Semi-Flush Plate (Wheelock SFB-W)	17.36	4.58
28 46 21 33-2224	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	36.19	11.43
28 46 21 33-2225	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	36.19	11.43
28 46 21 33-2226	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	24.01	4.58
28 46 21 33-2227	EA	Red, Weatherproof Backbox (Wheelock WBB)	51.28	11.43
28 46 21 33-2228	EA	Weather Resistant Backbox (Wheelock WBB-R)	41.07	11.43
28 46 21 33-2229	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	30.67	4.58
28 46 21 33-2230	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	30.67	4.58
28 46 21 33-2231	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	30.67	4.58
28 46 21 33-2232	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	30.67	4.58
28 46 21 33-2233	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	17.36	4.58
28 46 21 33-2234	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	43.29	11.43
28 46 21 33-2235	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	41.07	11.43
28 46 21 33-2236		**Manual Pull Station** *(28 46 21 33-2104)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2237	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	86.95	22.88
28 46 21 33-2238	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	86.95	22.88
28 46 21 33-2239	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	667.79	22.88
28 46 21 33-2240		**Potter Fire Alarm** *(28 46 21 33)*		
28 46 21 33-2241		**Electric Alarm Bells** *(28 46 21 33-2240)*		
28 46 21 33-2242	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	89.97	34.31
28 46 21 33-2243	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	96.71	34.31
28 46 21 33-2244	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	100.08	34.31
28 46 21 33-2245	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	89.97	34.31
28 46 21 33-2246	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	96.71	34.31
28 46 21 33-2247	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	100.08	34.31
28 46 21 33-2248	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	95.69	34.31
28 46 21 33-2249	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	98.92	34.31
28 46 21 33-2250	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	117.98	34.31
28 46 21 33-2251	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	90.94	34.31
28 46 21 33-2252	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	98.92	34.31
28 46 21 33-2253	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	105.60	34.31
28 46 21 33-2254		**Manual Pull Station** *(28 46 21 33-2240)*		
28 46 21 33-2255	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	64.86	22.88
28 46 21 33-2256	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	67.92	22.88
28 46 21 33-2257	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	102.37	22.88
28 46 21 33-2258	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	69.83	22.88
28 46 21 33-2259	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	66.59	22.88
28 46 21 33-2260	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	113.15	22.88
28 46 21 33-2261	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	138.85	22.88
28 46 21 33-2262		**Fire Alarm Terminal Cabinets** *(28 46 21 33)*		
28 46 21 33-2263	EA	18 Point Lockable Fire Alarm Terminal Cabinet	163.49	45.82
28 46 21 33-2264	EA	32 Point Lockable Fire Alarm Terminal Cabinet	206.62	45.82
28 46 21 33-2265	EA	64 Point Lockable Fire Alarm Terminal Cabinet	292.87	45.82
28 46 21 33-2266	EA	128 Point Lockable Fire Alarm Terminal Cabinet	379.10	45.82
28 46 21 33-2267		**Test And Certification** *(28 46 21 33)*		
28 46 21 33-2268	DAY	Test And Certification For Tie Into Existing Systems	729.69	
28 46 21 33-2269	HR	Test And Certification Of Fire Alarm System	127.96	
		Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		

28 47 Mass Notification *(28 40)*

28 47 00 00-0001		**Voice Capable Omni-Directional Speakers** *(28 47)*		
28 47 00 00-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	8,013.94	583.71
28 47 00 00-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	9,712.70	609.09
28 47 00 00-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	11,411.48	634.47
28 47 00 00-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,110.24	659.84
28 47 00 00-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	14,786.81	685.23
28 47 00 00-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	18,082.83	710.60
28 47 00 00-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,781.59	735.98
28 47 00 00-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	21,613.46	761.36
28 47 00 00-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,334.40	786.74
28 47 00 00-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	25,033.17	812.11
28 47 00 00-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	17,772.25	710.60
28 47 00 00-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	18,916.41	735.98
28 47 00 00-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	387.38	22.88
28 47 00 00-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	1,270.31	22.88
28 47 00 00-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	1,310.24	22.88
28 47 00 00-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	1,310.24	22.88
28 47 00 00-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,270.31	22.88
28 47 00 00-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	311.96	22.88
28 47 00 00-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	449.50	22.88
28 47 00 00-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	476.12	22.88
28 47 00 00-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	1,580.88	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	1,580.88	22.88
28 47 00 00-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	1,580.88	22.88
28 47 00 00-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	1,580.88	22.88
28 47 00 00-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	569.29	22.88
28 47 00 00-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	334.14	22.88
28 47 00 00-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	294.21	22.88
28 47 00 00-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	223.22	22.88
28 47 00 00-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG)	155.29	
28 47 00 00-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	31.06	
28 47 00 00-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	121.18	22.88
28 47 00 00-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	605.47	34.31
28 47 00 00-0034	EA	WPS And OA Series, Roof Top Mounted (Whelen RTM)	7,380.01	558.33
28 47 00 00-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	2,936.57	137.25
28 47 00 00-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	1,488.40	34.31
28 47 00 00-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	1,488.40	34.31
28 47 00 00-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	1,488.40	34.31
28 47 00 00-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	1,488.40	34.31
28 47 00 00-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	1,488.40	34.31
28 47 00 00-0041	EA	Amber, 24 VDC, LED, Beacon (Whelen L31HAF4)	561.99	34.31
28 47 00 00-0042	EA	Blue, 24 VDC, LED, Beacon (Whelen L31HBF4)	561.99	34.31
28 47 00 00-0043	EA	Red, 24 VDC, LED, Beacon (Whelen L31HRF4)	561.99	34.31
28 47 00 00-0044	EA	Amber, 24 VDC, Strobe (Whelen ISB24A)	454.62	34.31
28 47 00 00-0045	EA	Blue, 24 VDC, Strobe (Whelen ISB24B)	454.62	34.31
28 47 00 00-0046	EA	Clear, 24 VDC, Strobe (Whelen ISB24C)	454.62	34.31
28 47 00 00-0047	EA	Green, 24 VDC, Strobe (Whelen ISB24G)	454.62	34.31
28 47 00 00-0048	EA	Red, 24 VDC, Strobe (Whelen ISB24R)	454.62	34.31
28 47 00 00-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	578.17	22.88
28 47 00 00-0050	EA	Strobe Controller (Whelen STCTRL)	480.56	22.88
28 47 00 00-0051	EA	LED Controller (Whelen LEDCTRL)	480.56	22.88
28 47 00 00-0052	EA	Replacement Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	246.09	34.31
28 47 00 00-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	404.83	
28 47 00 00-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	666.90	22.88
28 47 00 00-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	334.14	22.88
28 47 00 00-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	121.18	22.88
28 47 00 00-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	600.35	22.88

28 47 00 00-0058 Tone Only, Omni-Alert Sirens *(28 47)*

28 47 00 00-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	7,069.43	558.33
28 47 00 00-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	8,639.53	583.71
28 47 00 00-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	10,209.62	609.09
28 47 00 00-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	11,784.17	634.47
28 47 00 00-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	209.91	22.88
28 47 00 00-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	387.38	22.88
28 47 00 00-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	1,270.31	22.88
28 47 00 00-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	1,310.24	22.88
28 47 00 00-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	1,310.24	22.88
28 47 00 00-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,270.31	22.88
28 47 00 00-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	311.96	22.88
28 47 00 00-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	449.50	22.88
28 47 00 00-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	476.12	22.88
28 47 00 00-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	1,580.88	22.88
28 47 00 00-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	1,580.88	22.88
28 47 00 00-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	1,580.88	22.88
28 47 00 00-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	1,580.88	22.88
28 47 00 00-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	569.29	22.88
28 47 00 00-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	294.21	22.88
28 47 00 00-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	334.14	22.88
28 47 00 00-0079	EA	Intrusion Alarm (Whelen OINTRU)	178.85	22.88
28 47 00 00-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	2,936.57	137.25
28 47 00 00-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	547.79	34.31

28 47 00 00-0082 Tone-Only Rotating Directional Speakers *(28 47)*

28 47 00 00-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,775.76	659.84
28 47 00 00-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	14,720.26	685.23
28 47 00 00-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	209.91	22.88
28 47 00 00-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	387.38	22.88
28 47 00 00-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	1,270.31	22.88
28 47 00 00-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	1,310.24	22.88
28 47 00 00-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	1,310.24	22.88
28 47 00 00-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,270.31	22.88
28 47 00 00-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	311.96	22.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	449.50	22.88
28 47 00 00-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	476.12	22.88
28 47 00 00-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	1,580.88	22.88
28 47 00 00-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	1,580.88	22.88
28 47 00 00-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	1,580.88	22.88
28 47 00 00-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	1,580.88	22.88
28 47 00 00-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	569.29	22.88
28 47 00 00-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	334.14	22.88
28 47 00 00-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	294.21	22.88
28 47 00 00-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	178.85	22.88
28 47 00 00-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	458.37	22.88
28 47 00 00-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	2,936.57	137.25
28 47 00 00-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	547.79	34.31
28 47 00 00-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	1,977.93	

28 47 00 00-0106 Uni-Directional Rotating Speakers *(28 47)*

28 47 00 00-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	9,256.25	583.71
28 47 00 00-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	209.91	22.88
28 47 00 00-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	387.38	22.88
28 47 00 00-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	1,270.31	22.88
28 47 00 00-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	1,310.24	22.88
28 47 00 00-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	1,310.24	22.88
28 47 00 00-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,270.31	22.88
28 47 00 00-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	311.96	22.88
28 47 00 00-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	449.50	22.88
28 47 00 00-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	476.12	22.88
28 47 00 00-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	1,580.88	22.88
28 47 00 00-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	1,580.88	22.88
28 47 00 00-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	1,580.88	22.88
28 47 00 00-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	1,580.88	22.88
28 47 00 00-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	569.29	22.88
28 47 00 00-0122	EA	LED Status Indicator (Whelen HSTATUS)	334.14	22.88
28 47 00 00-0123	EA	Option For Paging Interface (Whelen HPGINT)	294.21	22.88
28 47 00 00-0124	EA	Intrusion Alarm (Whelen HINTRU)	178.85	22.88
28 47 00 00-0125	EA	Solar Power Option (Whelen HSBC280)	2,936.57	137.25
28 47 00 00-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	458.37	22.88
28 47 00 00-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	547.79	34.31

28 47 00 00-0128 All Hazard In-Plant Personnel Warning System *(28 47)*

28 47 00 00-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	4,924.65	731.97
28 47 00 00-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	5,959.51	823.47
28 47 00 00-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	268.28	34.31
28 47 00 00-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	219.47	34.31
28 47 00 00-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	419.13	34.31
28 47 00 00-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	330.39	34.31
28 47 00 00-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	676.46	34.31
28 47 00 00-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,036.12	38.89
28 47 00 00-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	472.37	34.31
28 47 00 00-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	716.67	38.89
28 47 00 00-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	223.22	22.88

28 47 00 00-0140 Firehouse Siren *(28 47)*

28 47 00 00-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	209.91	22.88
28 47 00 00-0142	EA	Two-Tone Sequential Option (Whelen FTT)	311.96	22.88
28 47 00 00-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	449.50	22.88
28 47 00 00-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	476.12	22.88
28 47 00 00-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	1,580.88	22.88
28 47 00 00-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	1,580.88	22.88
28 47 00 00-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	1,580.88	22.88
28 47 00 00-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	1,580.88	22.88
28 47 00 00-0149	EA	Paging Interface Control Option (Whelen FPGINT)	294.21	22.88
28 47 00 00-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	178.85	22.88
28 47 00 00-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	2,936.57	137.25

28 47 00 00-0152 Central Station Controls *(28 47)*

28 47 00 00-0153	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	639.45	
28 47 00 00-0154	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,038.76	
28 47 00 00-0155	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	2,502.91	
28 47 00 00-0156	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	791.13	22.88
28 47 00 00-0157	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	2,885.30	22.88
28 47 00 00-0158	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	445.06	22.88
28 47 00 00-0159	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	569.29	22.88

28 47 00 00-0160 Alert Monitor And Message Display *(28 47)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0161	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	1,163.82	22.88
28 47 00 00-0162	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	1,163.82	22.88
28 47 00 00-0163	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	1,163.82	22.88
28 47 00 00-0164	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	1,163.82	22.88
28 47 00 00-0165	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	188.41	34.31
28 47 00 00-0166	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	54.62	22.88
28 47 00 00-0167	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	97.61	
28 47 00 00-0168	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	155.29	

28 47 00 00-0169 Portable Test Set *(28 47)*

28 47 00 00-0170	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	5,324.16	
28 47 00 00-0171	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	5,324.16	
28 47 00 00-0172	EA	UHF, Portable Test Set (Whelen PT2010U)	5,324.16	

28 47 00 00-0173 Replacement Warning Lights *(28 47)*

28 47 00 00-0174	EA	Amber, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IA)	295.04	36.59
28 47 00 00-0175	EA	Blue, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IB)	295.04	36.59
28 47 00 00-0176	EA	Clear, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IC)	295.04	36.59
28 47 00 00-0177	EA	Green, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IG)	295.04	36.59
28 47 00 00-0178	EA	Red, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IR)	295.04	36.59
28 47 00 00-0179	EA	Amber, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IA)	206.30	36.59
28 47 00 00-0180	EA	Blue, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IB)	206.30	36.59
28 47 00 00-0181	EA	Clear, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IC)	206.30	36.59
28 47 00 00-0182	EA	Green, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IG)	206.30	36.59
28 47 00 00-0183	EA	Red, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IR)	206.30	36.59
28 47 00 00-0184	EA	Amber, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HA)	295.04	36.59
28 47 00 00-0185	EA	Blue, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HB)	295.04	36.59
28 47 00 00-0186	EA	Clear, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HC)	295.04	36.59
28 47 00 00-0187	EA	Green, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HG)	295.04	36.59
28 47 00 00-0188	EA	Red, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HR)	295.04	36.59
28 47 00 00-0189	EA	Amber, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HA)	215.18	36.59
28 47 00 00-0190	EA	Blue, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HB)	215.18	36.59
28 47 00 00-0191	EA	Clear, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HC)	215.18	36.59
28 47 00 00-0192	EA	Green, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HG)	215.18	36.59
28 47 00 00-0193	EA	Red, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HR)	215.18	36.59

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	13,431.74	734.27
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	103.68	
28 49 11 00-0004	EA	Lapel Reader	39.88	
28 49 11 00-0005	EA	IR Locator	158.64	27.49
28 49 11 00-0006	EA	Repeaters And Receivers	398.61	91.63

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	215.49	54.98
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	255.18	64.15
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	256.85	64.15

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	155.71	34.36
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	148.83	27.49
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	76.03	27.49
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	122.98	27.49
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	139.77	27.49
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	157.19	27.49
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	213.18	27.49

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	237.28	27.49
28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	97.10	27.49
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	137.11	27.49
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	175.74	27.49
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	178.77	9.16
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	140.68	27.49
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	163.79	27.49
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	269.07	27.49
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	134.33	27.49
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	151.78	9.16
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	232.41	9.16
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	237.37	9.16
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	311.41	9.16

END OF SECTION 28

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	516.13
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	802.87
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	695.22

31 05 Common Work Results For Earthwork *(31)*

31 05 13 Soils For Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Sand, Bank Run	38.61
		For Up To 10, Add	*10.93*
		For >10 To 25, Add	*3.86*
31 05 13 00-0003	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	42.99
		For Up To 10, Add	*12.25*
		For >10 To 25, Add	*4.30*
31 05 13 00-0004	CY	Native Clean Fill Soil/Dirt - Common	32.99
		For Up To 10, Add	*9.25*
		For >10 To 25, Add	*3.30*
31 05 13 00-0005	CY	Lime Rock Screening	37.80
		For Up To 10, Add	*10.69*
		For >10 To 25, Add	*3.78*
31 05 13 00-0006	CY	Crushed Lime Rock Maximum 3-1/2"	34.76
		For Up To 10, Add	*9.78*
		For >10 To 25, Add	*3.48*
31 05 13 00-0007	CY	Asphalt Sand	36.26
		For Up To 10, Add	*10.23*
		For >10 To 25, Add	*3.63*
31 05 13 00-0008	CY	Lawn Sand	29.59
		For Up To 10, Add	*8.23*
		For >10 To 25, Add	*2.96*
31 05 13 00-0009	CY	Sand/Clay	37.87
		For Up To 10, Add	*10.71*
		For >10 To 25, Add	*3.79*
31 05 13 00-0010	CY	Recycled Concrete Aggregate	43.00
		For Up To 10, Add	*12.25*
		For >10 To 25, Add	*4.30*
31 05 13 00-0011	CY	Sand Fill, Washed Aggregate	51.11
		For Up To 10, Add	*14.68*
		For >10 To 25, Add	*5.11*
31 05 13 00-0012	CY	Pond Sand	23.83
		For Up To 10, Add	*6.50*
		For >10 To 25, Add	*2.38*
31 05 13 00-0013	CY	Pitrun Clay	31.02
		For Up To 10, Add	*8.66*
		For >10 To 25, Add	*3.10*
31 05 13 00-0014	CY	Light Clay / Loam	43.80
		For Up To 10, Add	*12.49*
		For >10 To 25, Add	*4.38*
31 05 13 00-0015	CY	Heavy Clay	37.46
		For Up To 10, Add	*10.59*
		For >10 To 25, Add	*3.75*

31 05 16 Aggregates For Earthwork *(31 05)*

See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	57.93
		For Up To 10, Add	*16.73*
		For >10 To 25, Add	*5.79*
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	49.96
		For Up To 10, Add	*14.34*
		For >10 To 25, Add	*5.00*
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	50.97
		For Up To 10, Add	*14.64*
		For >10 To 25, Add	*5.10*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	55.76	
		For Up To 10, Add	*16.08*	
		For >10 To 25, Add	*5.58*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	56.73	
		For Up To 10, Add	*16.37*	
		For >10 To 25, Add	*5.67*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	58.71	
		For Up To 10, Add	*16.96*	
		For >10 To 25, Add	*5.87*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (#4 To 1")	59.87	
		For Up To 10, Add	*17.31*	
		For >10 To 25, Add	*5.99*	
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (#4 To 3/4")	60.96	
		For Up To 10, Add	*17.64*	
		For >10 To 25, Add	*6.10*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (1/2" To #4)	61.16	
		For Up To 10, Add	*17.70*	
		For >10 To 25, Add	*6.12*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (#8 To 1/2")	63.13	
		For Up To 10, Add	*18.29*	
		For >10 To 25, Add	*6.31*	
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/8" x 1/8")	65.11	
		For Up To 10, Add	*18.88*	
		For >10 To 25, Add	*6.51*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (#16 To 3/8")	65.41	
		For Up To 10, Add	*18.97*	
		For >10 To 25, Add	*6.54*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (1/4" Clean)	65.73	
		For Up To 10, Add	*19.07*	
		For >10 To 25, Add	*6.57*	
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (#8 To 3/4)	68.72	
		For Up To 10, Add	*19.97*	
		For >10 To 25, Add	*6.87*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (#16 To 3/4")	62.72	
		For Up To 10, Add	*18.17*	
		For >10 To 25, Add	*6.27*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill	48.15	
		For Up To 10, Add	*13.80*	
		For >10 To 25, Add	*4.82*	
31 05 16 00-0018	CY	Stone Aggregate Fill, Random Size, Over 6" To 12"	32.70	
		For Up To 10, Add	*9.16*	
		For >10 To 25, Add	*3.27*	
31 05 16 00-0019	CY	Graded Stone Aggregate Fill, Over 6" To 12"	35.66	
		For Up To 10, Add	*10.05*	
		For >10 To 25, Add	*3.57*	
31 05 16 00-0020	CY	Surge Stone Aggregate Fill (3" To 7" Random)	60.84	
		For Up To 10, Add	*17.60*	
		For >10 To 25, Add	*6.08*	
31 05 16 00-0021	CY	Surge Stone Graded Aggregate Fill (3" To 7")	72.26	
		For Up To 10, Add	*21.03*	
		For >10 To 25, Add	*7.23*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	57.64	
		For Up To 10, Add	*16.64*	
		For >10 To 25, Add	*5.76*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	55.68	
		For Up To 10, Add	*16.05*	
		For >10 To 25, Add	*5.57*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	48.99	
		For Up To 10, Add	*14.05*	
		For >10 To 25, Add	*4.90*	
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	39.18	
		For Up To 10, Add	*11.10*	
		For >10 To 25, Add	*3.92*	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing And Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,441.59
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,683.92
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,515.19
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,806.52
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,539.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,189.61	
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	252.28	
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	522.03	
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	739.29	
31 11 00 00-0011	ACR	Chipping - Light Brush	2,004.40	
31 11 00 00-0012	ACR	Chipping - Medium Brush	2,577.23	
31 11 00 00-0013	ACR	Chipping - Heavy Brush	3,608.44	

31 11 00 00-0014 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0037 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	8.80	
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	10.55	
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	30.87	
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	24.24	

31 13 Selective Tree And Shrub Removal And Trimming *(31 10)*

31 13 13 Selective Tree And Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	469.70
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	704.55
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	939.40
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,409.10
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,878.80
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,348.50
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-587.13*
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,818.20
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-704.55*
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,757.60
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-939.40*

31 13 13 00-0010 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0011 Stump Removal By Machine *(31 13 13 00-0010)*

31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	84.19
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	161.37
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	210.48
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	315.75
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	371.89
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	437.82
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	519.21
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	610.42

31 13 13 00-0020 Stump Removal By Hand *(31 13 13 00-0010)*

31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	501.33
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	626.66
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	919.10
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,253.32
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,671.10

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,088.87	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,506.65	
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,924.42	
31 13 13 00-0029		Stump Grinding *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0030		Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0029)* Note: Level soil to match existing surface area.		
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	90.25	
		For 24" Depth, Add	*18.05*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	120.33	
		For 24" Depth, Add	*24.07*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	135.37	
		For 24" Depth, Add	*27.07*	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	150.41	
		For 24" Depth, Add	*30.08*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	161.70	
		For 24" Depth, Add	*32.34*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	172.98	
		For 24" Depth, Add	*34.60*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	188.01	
		For 24" Depth, Add	*37.60*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	204.06	
		For 24" Depth, Add	*40.81*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	226.74	
		For 24" Depth, Add	*45.35*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	241.85	
		For 24" Depth, Add	*48.37*	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	272.08	
		For 24" Depth, Add	*54.42*	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	302.31	
		For 24" Depth, Add	*60.46*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	377.89	
		For 24" Depth, Add	*75.58*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	472.36	
		For 24" Depth, Add	*94.47*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	604.63	
		For 24" Depth, Add	*120.93*	
31 13 13 00-0046		Shrub Removal *(31 13 13)*		
31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	36.09	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	56.58	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	65.61	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	98.41	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	18.04	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	27.89	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	36.09	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	39.37	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	36.09	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	39.37	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	56.58	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	98.41	
31 13 16		**Selective Tree And Shrub Trimming** *(31 13)*		
31 13 16 00-0001		Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)* Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.53	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.30	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.71	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil		8.54	
		For Excavation In Light Material (Class A), Deduct		*-1.07*	
		For Excavation In Heavy/Wet Material (Class C), Add		*3.42*	
		For Up To 20, Add		*6.83*	
		For >20 To 50, Add		*4.27*	
		For >50 To 250, Add		*2.14*	
		For >500 To 1,000, Deduct		*-1.28*	
		For >1,000, Deduct		*-2.56*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil		5.50	
		For Excavation In Light Material (Class A), Deduct		*-0.69*	
		For Excavation In Heavy/Wet Material (Class C), Add		*2.20*	
		For Up To 20, Add		*4.40*	
		For >20 To 50, Add		*2.75*	
		For >50 To 250, Add		*1.38*	
		For >500 To 1,000, Deduct		*-0.83*	
		For >1,000, Deduct		*-1.65*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock		14.14	
		For Up To 20, Add		*11.31*	
		For >20 To 50, Add		*7.07*	
		For >50 To 250, Add		*3.54*	
		For >500 To 1,000, Deduct		*-2.12*	
		For >1,000, Deduct		*-4.24*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock		9.77	
		For Up To 20, Add		*7.82*	
		For >20 To 50, Add		*4.89*	
		For >50 To 250, Add		*2.44*	
		For >500 To 1,000, Deduct		*-1.47*	
		For >1,000, Deduct		*-2.93*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		101.84	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		174.70	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine		3.08	
		For Up To 20, Add		*2.46*	
		For >20 To 50, Add		*1.54*	
		For >50 To 250, Add		*0.77*	
		For >500 To 1,000, Deduct		*-0.46*	
		For >1,000, Deduct		*-0.92*	
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand		28.29	

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera		5.90	
		For Up To 20, Add		*4.72*	
		For >20 To 50, Add		*2.95*	
		For >50 To 250, Add		*1.48*	
		For >500 To 1,000, Deduct		*-0.89*	
		For >1,000, Deduct		*-1.77*	
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand		31.91	

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching		5.36	
		For Up To 20, Add		*4.29*	
		For >20 To 50, Add		*2.68*	
		For >50 To 250, Add		*1.34*	
		For >500 To 1,000, Deduct		*-0.80*	
		For >1,000, Deduct		*-1.61*	
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching		74.68	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0018		Spread Excess Or Imported Material For Trenches *(31 23 16 13)*		
		Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	2.55	
		For Up To 20, Add	*2.04*	
		For >20 To 50, Add	*1.28*	
		For >50 To 250, Add	*0.64*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.77*	
31 23 16 13-0020		Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	1.90	
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.09	
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	2.98	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep	3.36	
31 23 16 13-0025		Utility Chain Trencher *(31 23 16 13)*		
31 23 16 13-0026		Utility Trench, Chain Trencher *(31 23 16 13-0025)*		
		Note: Earth left adjacent to trench.		
31 23 16 13-0027	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.05	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.16*	
		For >500, Deduct	*-0.32*	
31 23 16 13-0028	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.15	
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.17*	
		For >500, Deduct	*-0.35*	
31 23 16 13-0029	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.19	
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.18*	
		For >500, Deduct	*-0.36*	
31 23 16 13-0030	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.26	
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.19*	
		For >500, Deduct	*-0.38*	
31 23 16 13-0031	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.38	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.21*	
		For >500, Deduct	*-0.41*	
31 23 16 13-0032	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.57	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.47*	
31 23 16 13-0033	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.89	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.57*	
31 23 16 13-0034	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.78	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.53*	
31 23 16 13-0035	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.09	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.63*	
31 23 16 13-0036	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.38	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.71*	
31 23 16 13-0037	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.82	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.85*	
31 23 16 13-0038		Backfill Trenches With Compaction *(31 23 16 13-0025)*		
31 23 16 13-0039	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.16	
		For >100 To 250, Deduct	*-0.01*	
		For >250 To 500, Deduct	*-0.02*	
		For >500, Deduct	*-0.05*	
31 23 16 13-0040	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	
31 23 16 13-0041	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.34	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.10*	
31 23 16 13-0042	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0043	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.34	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.10*	
31 23 16 13-0044	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0045	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.73	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0046	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.34	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.10*	
31 23 16 13-0047	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0048	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.68	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.10*	
		For >500, Deduct	*-0.20*	
31 23 16 13-0049	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.02	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.31*	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	20.99	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	22.39	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	26.60	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	7.98	
		For Excavation In Light Material (Class A), Deduct	*-1.00*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.19*	
		For >1,000, Deduct	*-1.20*	
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.44	
		For Excavation In Light Material (Class A), Deduct	*-0.56*	
		For Excavation In Heavy/Wet Material (Class C), Add	*1.78*	
		For >1,000, Deduct	*-0.67*	
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	9.83	
		For >1,000, Deduct	*-1.47*	
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.46	
		For >1,000, Deduct	*-0.82*	

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.93	
		For >1,000, Deduct	*-0.74*	

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	5.48	
		For >1,000, Deduct	*-0.82*	

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	4.38	
		For >1,000, Deduct	*-0.66*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	6.57	
		For >1,000, Deduct	*-0.99*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	9.85	
		For >1,000, Deduct	*-1.48*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	13.14	
		For >1,000, Deduct	*-1.97*	

31 23 16 33-0015 Finish Grading *(31 23 16 33)*

Note: For bulk excavation.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.55	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.56	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	4.47	
		For >1,000, Deduct	*-0.67*	

31 23 16 36 Excavation For Building Foundations And Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	7.25	
		For Excavation In Light Material (Class A), Deduct	*-0.91*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.90*	
		For Up To 20, Add	*7.25*	
		For >20 To 50, Add	*5.44*	
		For >50 To 250, Add	*2.90*	
		For >250 To 500, Add	*1.09*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	8.90	
		For Up To 20, Add	*8.90*	
		For >20 To 50, Add	*6.68*	
		For >50 To 250, Add	*3.56*	
		For >250 To 500, Add	*1.34*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.33	
		For Excavation In Light Material (Class A), Deduct	*-0.67*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.13*	
		For Up To 20, Add	*5.33*	
		For >20 To 50, Add	*4.00*	
		For >50 To 250, Add	*2.13*	
		For >250 To 500, Add	*0.80*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	6.35	
		For Up To 20, Add	*6.35*	
		For >20 To 50, Add	*4.76*	
		For >50 To 250, Add	*2.54*	
		For >250 To 500, Add	*0.95*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	101.84	
		For Excavation In Light Material (Class A), Deduct	*-12.73*	
		For Excavation In Heavy/Wet Material (Class C), Add	*40.74*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock	174.70	

31 23 16 36-0011 Relocating On Site Excavated Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures over 100'.

31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	4.38	
		For Up To 20, Add	*4.38*	
		For >20 To 50, Add	*3.29*	
		For >50 To 250, Add	*1.75*	
		For >250 To 500, Add	*0.66*	
31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	6.57	
		For Up To 20, Add	*6.57*	
		For >20 To 50, Add	*4.93*	
		For >50 To 250, Add	*2.63*	
		For >250 To 500, Add	*0.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	9.85	
		For Up To 20, Add	*9.85*	
		For >20 To 50, Add	*7.39*	
		For >50 To 250, Add	*3.94*	
		For >250 To 500, Add	*1.48*	
31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	13.14	
		For Up To 20, Add	*13.14*	
		For >20 To 50, Add	*9.86*	
		For >50 To 250, Add	*5.26*	
		For >250 To 500, Add	*1.97*	
31 23 16 36-0016		Backfilling *(31 23 16 36)*		
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	3.54	
		For Up To 20, Add	*3.54*	
		For >20 To 50, Add	*2.66*	
		For >50 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.53*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	4.13	
		For Up To 20, Add	*4.13*	
		For >20 To 50, Add	*3.10*	
		For >50 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.62*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	48.50	
31 23 16 36-0020		Compaction Of Fill Or Subbase *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.35	
		For Up To 20, Add	*9.35*	
		For >20 To 50, Add	*7.01*	
		For >50 To 250, Add	*3.74*	
		For >250 To 500, Add	*1.40*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	31.91	
31 23 16 36-0023		Grading *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	0.95	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	1.52	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	9.43	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.65	
		For Up To 20, Add	*4.65*	
		For >20 To 50, Add	*3.49*	
		For >50 To 250, Add	*1.86*	
		For >250 To 500, Add	*0.70*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	74.68	
31 23 16 36-0030		Spread Material *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine	2.55	
		For Up To 20, Add	*2.55*	
		For >20 To 50, Add	*1.91*	
		For >50 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.38*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand	41.22	
31 23 16 43		**Mass Excavation** *(31 23 16)*		
31 23 16 43-0001		Mass Excavation By Dozer *(31 23 16 43)*		
		Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002		Dozing Distance Averages 150 Feet Push *(31 23 16 43-0001)*		
31 23 16 43-0003		Dozer With Blade, 65 HP, (D-3B) *(31 23 16 43-0002)*		
31 23 16 43-0004	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.80	
31 23 16 43-0005	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.97	
31 23 16 43-0006	BCY	Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	8.70	
31 23 16 43-0007		Dozer With Blade, 90 HP, (D-4H) *(31 23 16 43-0002)*		
31 23 16 43-0008	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour	2.84	
31 23 16 43-0009	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0010	BCY	Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.88	
31 23 16 43-0011		**Dozer With Blade, 120 HP, (D-5H)** *(31 23 16 43-0002)*		
31 23 16 43-0012	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	2.10	
31 23 16 43-0013	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.54	
31 23 16 43-0014	BCY	Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.56	
31 23 16 43-0015		**Dozer With Blade, 140 HP, (D-6D)** *(31 23 16 43-0002)*		
31 23 16 43-0016	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour	1.81	
31 23 16 43-0017	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.31	
31 23 16 43-0018	BCY	Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.97	
31 23 16 43-0019		**Dozer With U-Blade, 200 HP, (D-7G)** *(31 23 16 43-0002)*		
31 23 16 43-0020	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.20	
31 23 16 43-0021	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.48	
31 23 16 43-0022	BCY	Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.93	
31 23 16 43-0023	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.47	
31 23 16 43-0024		**Dozer With U-Blade, 335 HP, (D-8L)** *(31 23 16 43-0002)*		
31 23 16 43-0025	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.95	
31 23 16 43-0026	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.18	
31 23 16 43-0027	BCY	Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.54	
31 23 16 43-0028	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.92	
31 23 16 43-0029		**Dozer With U-Blade, 460 HP, (D-9L)** *(31 23 16 43-0002)*		
31 23 16 43-0030	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.72	
31 23 16 43-0031	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.91	
31 23 16 43-0032	BCY	Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	1.17	
31 23 16 43-0033	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.47	
31 23 16 43-0034		**Dozer With U-Blade, 700 HP, (D-10)** *(31 23 16 43-0002)*		
31 23 16 43-0035	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.59	
31 23 16 43-0036	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.74	
31 23 16 43-0037	BCY	Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.97	
31 23 16 43-0038	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.21	
31 23 16 43-0039		**Dozing Distance Averages 300 Feet Push** *(31 23 16 43-0001)*		
31 23 16 43-0040		**Dozer With Blade, 65 HP, (D-3B)** *(31 23 16 43-0039)*		
31 23 16 43-0041	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	13.93	
31 23 16 43-0042	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	17.41	
31 23 16 43-0043		**Dozer With Blade, 90 HP, (D-4H)** *(31 23 16 43-0039)*		
31 23 16 43-0044	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	8.53	
31 23 16 43-0045	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	9.75	
31 23 16 43-0046	BCY	Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	11.38	
31 23 16 43-0047		**Dozer With Blade, 120 HP, (D-5H)** *(31 23 16 43-0039)*		
31 23 16 43-0048	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	5.09	
31 23 16 43-0049	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	5.94	
31 23 16 43-0050	BCY	Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	7.13	
31 23 16 43-0051		**Dozer With Blade, 140 HP, (D-6D)** *(31 23 16 43-0039)*		
31 23 16 43-0052	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.78	
31 23 16 43-0053	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	4.62	
31 23 16 43-0054	BCY	Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	5.94	
31 23 16 43-0055		**Dozer With U-Blade, 200 HP, (D-7G)** *(31 23 16 43-0039)*		
31 23 16 43-0056	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.62	
31 23 16 43-0057	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	3.42	
31 23 16 43-0058	BCY	Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	4.44	
31 23 16 43-0059	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	5.56	
31 23 16 43-0060		**Dozer With U-Blade, 335 HP, (D-8L)** *(31 23 16 43-0039)*		
31 23 16 43-0061	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.92	
31 23 16 43-0062	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.41	
31 23 16 43-0063	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	3.08	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0064	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.96	
31 23 16 43-0065		**Dozer With U-Blade, 460 HP, (D-9L)** *(31 23 16 43-0039)*		
31 23 16 43-0066	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.39	
31 23 16 43-0067	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.69	
31 23 16 43-0068	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.26	
31 23 16 43-0069	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.86	
31 23 16 43-0070		**Dozer With U-Blade, 700 HP, (D-10)** *(31 23 16 43-0039)*		
31 23 16 43-0071	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.08	
31 23 16 43-0072	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push	1.34	
31 23 16 43-0073	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push	1.75	
31 23 16 43-0074	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.20	
31 23 16 43-0075		**Dozing Distance Averages 450 Feet Push** *(31 23 16 43-0001)*		
31 23 16 43-0076		**Dozer With U-Blade, 215 HP, (D-7G)** *(31 23 16 43-0075)*		
31 23 16 43-0077	BCY	Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.97	
31 23 16 43-0078	BCY	Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.71	
31 23 16 43-0079	BCY	Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.95	
31 23 16 43-0080	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	6.36	
31 23 16 43-0081		**Dozer With U-Blade, 335 HP, (D-8L)** *(31 23 16 43-0075)*		
31 23 16 43-0082	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.64	
31 23 16 43-0083	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.27	
31 23 16 43-0084	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.26	
31 23 16 43-0085	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.55	
31 23 16 43-0086		**Dozer With U-Blade, 460 HP, (D-9L)** *(31 23 16 43-0075)*		
31 23 16 43-0087	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.87	
31 23 16 43-0088	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.36	
31 23 16 43-0089	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	3.01	
31 23 16 43-0090	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.87	
31 23 16 43-0091		**Dozer With U-Blade, 700 HP, (D-10)** *(31 23 16 43-0075)*		
31 23 16 43-0092	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.60	
31 23 16 43-0093	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.97	
31 23 16 43-0094	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.58	
31 23 16 43-0095	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.29	
31 23 16 43-0096		**Excavation By Push Loaded Scraper** *(31 23 16 43)* Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097		**Self Propelled Scraper Capacity 9 BCY** *(31 23 16 43-0096)*		
31 23 16 43-0098	BCY	Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.43	
31 23 16 43-0099		**Self Propelled Scraper Capacity 16 BCY** *(31 23 16 43-0096)*		
31 23 16 43-0100	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.39	
31 23 16 43-0101	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.57	
31 23 16 43-0102	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	5.36	
31 23 16 43-0103		**Self Propelled Scraper Capacity 25 BCY** *(31 23 16 43-0096)*		
31 23 16 43-0104	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.54	
31 23 16 43-0105	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.31	
31 23 16 43-0106	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.73	
31 23 16 43-0107		**Self Propelled Scraper Capacity 35 BCY** *(31 23 16 43-0096)*		
31 23 16 43-0108	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.16	
31 23 16 43-0109	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.75	
31 23 16 43-0110	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.35	
31 23 16 43-0111		**Self Propelled Scraper Capacity 43 BCY** *(31 23 16 43-0096)*		
31 23 16 43-0112	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour	0.94	
31 23 16 43-0113	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour	1.40	
31 23 16 43-0114	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour	1.78	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 46 Excavation Operations To Expose Underground Pipes And Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	10.66
		For Excavation In Light Material (Class A), Deduct	*-1.33*
		For Excavation In Heavy/Wet Material (Class C), Add	*4.26*
		For Up To 20, Add	*10.66*
		For >20 To 50, Add	*8.00*
		For >50 To 250, Add	*4.26*
		For >250 To 500, Add	*1.60*
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	12.66
		For Up To 20, Add	*12.66*
		For >20 To 50, Add	*9.50*
		For >50 To 250, Add	*5.06*
		For >250 To 500, Add	*1.90*

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	127.30
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	190.11

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	8.00
		For >20 To 50, Add	*6.00*
		For >50 To 250, Add	*3.20*
		For >250 To 500, Add	*1.20*
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	57.71

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	11.79
		For Up To 20, Add	*11.79*
		For >20 To 50, Add	*8.84*
		For >50 To 250, Add	*4.72*
		For >250 To 500, Add	*1.77*
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	38.29

31 23 16 49 Vacuum Excavation *(31 23 16)*

31 23 16 49-0001 Vacuum Excavation (Potholing) *(31 23 16 49)*

Note: Includes grade down measurement, backfill and surface restoration.

31 23 16 49-0002	EA	Initial Set Up And Final Equipment Removal For Vacuum Excavation	345.99
31 23 16 49-0003	EA	Vacuum Excavation Note: For first hole.	324.36
		For Each Additional Hole At Site, Add	*160.65*
31 23 16 49-0004	EA	Vacuum Excavation Minimum Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,937.55

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	102.51
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	56.38
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	51.26
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	46.13
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	41.00
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	35.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0009		**Well Point Dewatering System Rental** *(31 23 19 00-0001)* Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.78	
		For >5 Days And <1 Month, Deduct	*-0.39*	
		For >1 Month, Deduct	*-0.50*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.04	
		For >5 Days And <1 Month, Deduct	*-0.23*	
		For >1 Month, Deduct	*-0.29*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.74	
		For >5 Days And <1 Month, Deduct	*-0.16*	
		For >1 Month, Deduct	*-0.21*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.54	
		For >5 Days And <1 Month, Deduct	*-0.12*	
		For >1 Month, Deduct	*-0.15*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.49	
		For >5 Days And <1 Month, Deduct	*-0.11*	
		For >1 Month, Deduct	*-0.14*	
31 23 19 00-0015		**Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)* Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs	93.94	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001		**Compaction Water, Water Truck And Operator** *(31 23 23 23)*		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1224 for water truck when water is available on site.	154.79	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001		**Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)* Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002		**Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003		**Cutting, Shaping, And Rough Grading By Machine** *(31 24 13 00-0002)*		
31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	5.48	
		For Up To 20, Add	*5.48*	
		For >20 To 50, Add	*4.11*	
		For >50 To 250, Add	*2.19*	
		For >250 To 500, Add	*0.82*	
		For >1,000, Deduct	*-0.82*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	6.79	
		For Up To 20, Add	*6.79*	
		For >20 To 50, Add	*5.09*	
		For >50 To 250, Add	*2.72*	
		For >250 To 500, Add	*1.02*	
		For >1,000, Deduct	*-1.02*	
31 24 13 00-0006		**Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)*		
31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	5.23	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	6.79	
31 24 13 00-0009		**Scarify Soil** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	5.07	
		For Up To 20, Add	*2.54*	
		For >20 To 50, Add	*1.27*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-1.01*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0011		Relocating On Site Excavated Material *(31 24 13 00-0001)*		
31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	9.85	
		For Up To 20, Add	*9.85*	
		For >20 To 50, Add	*7.39*	
		For >50 To 250, Add	*3.94*	
		For >250 To 500, Add	*1.48*	
		For >1,000, Deduct	*-1.48*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	13.14	
		For Up To 20, Add	*13.14*	
		For >20 To 50, Add	*9.86*	
		For >50 To 250, Add	*5.26*	
		For >250 To 500, Add	*1.97*	
		For >1,000, Deduct	*-1.97*	
31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*		
		Note: For roadways, parking areas, landscaping and embankments.		
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments	6.02	
		For Up To 20, Add	*6.02*	
		For >20 To 50, Add	*4.52*	
		For >50 To 250, Add	*2.41*	
		For >250 To 500, Add	*0.90*	
		For >1,000, Deduct	*-0.90*	
31 24 13 00-0016		Grading *(31 24 13 00-0001)*		
		Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.61	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.80	
31 24 13 00-0019	LF	Finish Grade For Curb	0.90	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.11	
31 24 13 00-0021		Compaction Of Fill Or Subbase *(31 24 13 00-0001)*		
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.56	
		For Up To 250, Add	*0.56*	
		For >250 To 500, Add	*0.42*	
		For >500 To 1,000, Add	*0.22*	
		For >5,000, Deduct	*-0.08*	
31 24 13 00-0023		Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*		
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.47	
		For Up To 20, Add	*4.47*	
		For >20 To 50, Add	*3.35*	
		For >50 To 250, Add	*1.79*	
		For >250 To 500, Add	*0.67*	
		For >1,000, Deduct	*-0.67*	

31 25 Erosion And Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures For Erosion And Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001		Bonded Fiber Matrix *(31 25 14 13)*		
31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	41.30	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	37.46	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	34.20	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	32.34	

31 25 14 16 Rolled Erosion Control Mats And Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001		Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*		
31 25 14 16-0002		Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*		
31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket	1.38	
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket	1.63	
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket	1.33	
		Note: As manufactured by American Excelsior		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.		1.38	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting		1.28	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*			
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		1.75	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		2.15	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.		1.56	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.		1.60	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.		1.67	
31 25 14 16-0014		Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)* Note: Permanent, UV stabilized.			
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.		8.82	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		8.18	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled		6.57	
31 25 14 16-0018		Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*			
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave		1.49	
31 25 14 16-0020		Revegetation Mat *(31 25 14 16-0001)*			
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		6.40	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		9.10	
31 25 14 23		**Stabilization Measures For Erosion Control** ***(31 25 14)*** See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.			
31 25 14 23-0001		Sand Bags *(31 25 14 23)* Note: Bags filled on site with delivered material. Includes material and placement of bags.			
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand		5.20	2.15
		For >2,500 To 5,000, Deduct	*-0.43*		
		For >5,000, Deduct	*-0.95*		
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand		6.73	2.67
		For >2,500 To 5,000, Deduct	*-0.53*		
		For >5,000, Deduct	*-1.21*		
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand		8.43	3.19
		For >2,500 To 5,000, Deduct	*-0.64*		
		For >5,000, Deduct	*-1.48*		
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand		10.41	3.98
		For >2,500 To 5,000, Deduct	*-0.80*		
		For >5,000, Deduct	*-1.84*		
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand		12.62	4.79
		For >2,500 To 5,000, Deduct	*-0.96*		
		For >5,000, Deduct	*-2.22*		
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand		14.64	5.43
		For >2,500 To 5,000, Deduct	*-1.09*		
		For >5,000, Deduct	*-2.55*		
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand		120.07	37.56
		For >2,500 To 5,000, Deduct	*-7.51*		
		For >5,000, Deduct	*-19.52*		
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand		155.73	41.33
		For >2,500 To 5,000, Deduct	*-8.27*		
31 25 14 23-0010		Gravel Bags *(31 25 14 23)* Note: Bags filled on site with delivered material. Includes material and placement of bags.			
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel		4.39	1.42
		For >2,500 To 5,000, Deduct	*-0.28*		
		For >5,000, Deduct	*-0.72*		
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel		7.64	2.15
		For >2,500 To 5,000, Deduct	*-0.43*		
		For >5,000, Deduct	*-1.19*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0013		**Turbidity Curtain** *(31 25 14 23)* Note: Type 2 curtain.		
31 25 14 23-0014	LF	3' High, Type II, Turbidity Curtain	18.84	
		For Type I, Deduct	*-2.80*	
31 25 14 23-0015	LF	4' High, Type II, Turbidity Curtain	20.40	
		For Type I, Deduct	*-3.08*	
31 25 14 23-0016	LF	5' High, Type II, Turbidity Curtain	22.53	
		For Type I, Deduct	*-3.49*	
31 25 14 23-0017	LF	6' High, Type II, Turbidity Curtain	24.36	
		For Type I, Deduct	*-3.83*	
31 25 14 23-0018	LF	7' High, Type II, Turbidity Curtain	25.56	
		For Type I, Deduct	*-4.01*	
31 25 14 23-0019	LF	8' High, Type II, Turbidity Curtain	26.77	
		For Type I, Deduct	*-4.20*	
31 25 14 23-0020	LF	9' High, Type II, Turbidity Curtain	28.16	
		For Type I, Deduct	*-4.42*	
31 25 14 23-0021	LF	10' High, Type II, Turbidity Curtain	30.07	
		For Type I, Deduct	*-4.76*	
31 25 14 23-0022	LF	12' High, Type II, Turbidity Curtain	31.61	
		For Type I, Deduct	*-5.00*	
31 25 14 23-0023	LF	13' High, Type II, Turbidity Curtain	33.63	
		For Type I, Deduct	*-5.36*	
31 25 14 23-0024	LF	14' High, Type II, Turbidity Curtain	35.54	
		For Type I, Deduct	*-5.67*	
31 25 14 23-0025	LF	15' High, Type II, Turbidity Curtain	37.37	
		For Type I, Deduct	*-5.97*	
31 25 14 23-0026	LF	16' High, Type II, Turbidity Curtain	40.63	
		For Type I, Deduct	*-6.59*	
31 25 14 23-0027	LF	17' High, Type II, Turbidity Curtain	42.60	
		For Type I, Deduct	*-6.91*	
31 25 14 23-0028	LF	18' High, Type II, Turbidity Curtain	44.52	
		For Type I, Deduct	*-7.20*	
31 25 14 23-0029	LF	19' High, Type II, Turbidity Curtain	46.56	
		For Type I, Deduct	*-7.52*	
31 25 14 23-0030	LF	20' High, Type II, Turbidity Curtain	48.56	
		For Type I, Deduct	*-7.82*	
31 25 14 23-0031		**Filter Bags** *(31 25 14 23)*		
31 25 14 23-0032		**Non-Woven Filter Bags** *(31 25 14 23-0031)*		
31 25 14 23-0033	EA	6' x 15' Non-Woven Filter Bag	141.64	
31 25 14 23-0034	EA	13' x 15' Non-Woven Filter Bag	204.44	
31 25 14 23-0035	EA	15' x 15' Non-Woven Filter Bag	235.66	
31 25 14 23-0036		**Monofilament Filter Bags** *(31 25 14 23-0031)*		
31 25 14 23-0037	EA	5' x 15' Monofilament Filter Bag	147.08	
31 25 14 23-0038	EA	10' x 15' Monofilament Filter Bag	203.03	
31 25 14 23-0039		**Cable Articulating Concrete Block** *(31 25 14 23)* Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0040	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	33.34	
		For Up To 500, Add	*7.54*	
		For >500 To 1,000, Add	*4.20*	
31 25 14 23-0041	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	38.11	
		For Up To 500, Add	*8.57*	
		For >500 To 1,000, Add	*4.76*	
31 25 14 23-0042	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	43.57	
		For Up To 500, Add	*9.76*	
		For >500 To 1,000, Add	*5.40*	
31 25 14 23-0043	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	49.12	
		For Up To 500, Add	*10.98*	
		For >500 To 1,000, Add	*6.07*	
31 25 14 23-0044	SF	4.75" Closed Cell Articulated Concrete Block	35.75	
		For Up To 500, Add	*8.02*	
		For >500 To 1,000, Add	*4.44*	
31 25 14 23-0045	SF	6" Closed Cell Articulated Concrete Block	40.99	
		For Up To 500, Add	*9.14*	
		For >500 To 1,000, Add	*5.05*	
31 25 14 23-0046	SF	7.5" Closed Cell Articulated Concrete Block	46.98	
		For Up To 500, Add	*10.44*	
		For >500 To 1,000, Add	*5.74*	
31 25 14 23-0047	SF	9" Closed Cell Articulated Concrete Block	53.02	
		For Up To 500, Add	*11.76*	
		For >500 To 1,000, Add	*6.46*	

31 25 14 26 Stabilization Measures For Sedimentation Control *(31 25 14)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0001		**Silt Fences And Dike Barriers** *(31 25 14 26)* Note: Includes stakes and embedding.		
31 25 14 26-0002		**Silt Fences 2' High** *(31 25 14 26-0001)*		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	2.49	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	1.95	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	1.41	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	1.22	
31 25 14 26-0007		**Silt Fences 3' High** *(31 25 14 26-0001)*		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	2.11	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	2.02	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	1.14	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	1.28	
31 25 14 26-0012		**Silt Dike Barrier** *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	2.99	
31 25 14 26-0014		**Silt Fences Removal** *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.68	
31 25 14 26-0016		**Hay And Straw Bales** *(31 25 14 26)* Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterlized Straw Bales Note: Includes securing in ground with stakes.	3.70	
31 25 14 26-0018	LF	Place Hay Bales Note: Includes securing in ground with stakes.	3.45	
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales Note: Includes removal of stakes.	1.21	
31 25 14 26-0020		**Sediment Logs (Degradable)** *(31 25 14 26)*		
31 25 14 26-0021		**Sediment Logs (Degradable)** *(31 25 14 26-0020)* Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF	12" Sediment Log	6.82	
31 25 14 26-0023	LF	20" Sediment Log	7.99	
31 25 14 26-0024		**Wattles (Degradable)** *(31 25 14 26-0020)* Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0025	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	124.37	
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	117.40	
31 25 14 26-0027		**Fiber Roll (CALTRANS Type 1)** *(31 25 14 26)* Note: Includes furrow trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0028	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	5.24	
		For >1,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-1.02*	
31 25 14 26-0029	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	5.92	
		For >1,000 To 10,000, Deduct	*-0.62*	
		For >10,000, Deduct	*-1.06*	
31 25 14 26-0030	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.40	
		For >1,000 To 10,000, Deduct	*-0.74*	
		For >10,000, Deduct	*-1.26*	
31 25 14 26-0031		**Fiber Roll (CALTRANS Type 2)** *(31 25 14 26)* Note: Includes 24" wood stakes at 2' O.C. off-set on sides with ropes.		
31 25 14 26-0032	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	4.49	
		For >1,000 To 10,000, Deduct	*-0.49*	
		For >10,000, Deduct	*-0.83*	
31 25 14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.13	
		For >1,000 To 10,000, Deduct	*-0.51*	
		For >10,000, Deduct	*-0.86*	
31 25 14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.02	
		For >1,000 To 10,000, Deduct	*-0.54*	
		For >10,000, Deduct	*-0.92*	
31 25 14 26-0035		**Inlet Protection Sediment Bags** *(31 25 14 26)* Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0036	EA	2' x 2' x 3' Inlet Protection Sediment Bag	42.55	
31 25 14 26-0037	EA	2' x 3' x 3' Inlet Protection Sediment Bag	52.78	
31 25 14 26-0038	EA	2' x 4' x 3' Inlet Protection Sediment Bag	64.55	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.73	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	0.73	

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.69	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	0.95	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	20.04	
		For >45 To 90, Deduct		*-0.37*
		For >90 To 225, Deduct		*-1.73*
		For >225, Deduct		*-2.46*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	31.77
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	37.06
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	45.78
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	54.37

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	26.38	
31 32 13 19-0003	TON	Cement Stabilized Base Material	83.81	
31 32 13 19-0004	CWT	Lime For Soil Stabilization Note: Excludes the cost for spreading or backfilling	13.29	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	13.68	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	3.18	

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	8.69	
		For 4% Lime Instead Of 5%, Deduct		*-0.24*
		For 6% Lime Instead Of 5%, Add		*0.24*
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	10.07	
		For 4% Lime Instead Of 5%, Deduct		*-0.27*
		For 6% Lime Instead Of 5%, Add		*0.27*
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	11.48	
		For 4% Lime Instead Of 5%, Deduct		*-0.31*
		For 6% Lime Instead Of 5%, Add		*0.31*

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.38	

31 32 19 Geosynthetic Soil Stabilization And Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.41	
		For Up To 50, Add	*0.57*	
		For >50 To 150, Add	*0.42*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	2.74	
		For Up To 50, Add	*0.64*	
		For >50 To 150, Add	*0.47*	
		For >150 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.15*	
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	2.99	
		For Up To 50, Add	*0.69*	
		For >50 To 150, Add	*0.51*	
		For >150 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.17*	
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	4.25	
		For Up To 50, Add	*0.95*	
		For >50 To 150, Add	*0.70*	
		For >150 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.23*	
31 32 19 13-0006	SY	14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	4.85	
		For Up To 50, Add	*1.07*	
		For >50 To 150, Add	*0.80*	
		For >150 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
31 32 19 13-0007	SY	4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.45	
		For Up To 50, Add	*0.57*	
		For >50 To 150, Add	*0.42*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.14*	
31 32 19 13-0008	SY	5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.55	
		For Up To 50, Add	*0.80*	
		For >50 To 150, Add	*0.59*	
		For >150 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	0.76	
		For Up To 50, Add	*0.19*	
		For >50 To 150, Add	*0.14*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
31 32 19 16-0003	SY	3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	0.81	
		For Up To 50, Add	*0.20*	
		For >50 To 150, Add	*0.14*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0004	SY	4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	0.88	
		For Up To 50, Add	*0.21*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0005	SY	4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	0.94	
		For Up To 50, Add	*0.22*	
		For >50 To 150, Add	*0.16*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0006	SY	6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	1.10	
		For Up To 50, Add	*0.25*	
		For >50 To 150, Add	*0.19*	
		For >150 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0007	SY	7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	1.30	
		For Up To 50, Add	*0.30*	
		For >50 To 150, Add	*0.22*	
		For >150 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0008	SY	8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	1.43	
		For Up To 50, Add	*0.33*	
		For >50 To 150, Add	*0.24*	
		For >150 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0009	SY	10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	1.75	
		For Up To 50, Add	*0.39*	
		For >50 To 150, Add	*0.29*	
		For >150 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0010	SY	16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric	3.79	
		For Up To 50, Add	*0.80*	
		For >50 To 150, Add	*0.60*	
		For >150 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.20*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

31 32 19 16-0012	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	1.08	
		For Up To 50, Add	*0.25*	
		For >50 To 150, Add	*0.18*	
		For >150 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0013	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.50	
		For Up To 50, Add	*0.33*	
		For >50 To 150, Add	*0.25*	
		For >150 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.63	
		For Up To 50, Add	*0.57*	
		For >50 To 150, Add	*0.42*	
		For >150 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.56	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.24	
		For Up To 50, Add	*0.49*	
		For >50 To 150, Add	*0.36*	
		For >150 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.40	
		For Up To 50, Add	*0.52*	
		For >50 To 150, Add	*0.39*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	3.05	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.49*	
		For >150 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.32	
		For Up To 50, Add	*0.91*	
		For >50 To 150, Add	*0.68*	
		For >150 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.22*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.86
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.98
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.17
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.41
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.60
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.74
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.89
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.08
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.28

31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.83
31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	1.22
31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.46
31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	2.51
31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.91
31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	2.39
31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	2.88
31 32 19 16-0039	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	5.35

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0040	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)		5.55	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)		4.53	
		For >20,000, Deduct		*-0.08*	
		For >2:1 Slope, Add		*0.95*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)		5.28	
		For >20,000, Deduct		*-0.12*	
		For >2:1 Slope, Add		*0.95*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)		6.17	
		For >20,000, Deduct		*-0.17*	
		For >2:1 Slope, Add		*0.95*	

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection		45.28	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection		52.70	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection		61.78	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection		73.69	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection		86.78	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection		118.20	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection		148.83	

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone *(31 37)*

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap		35.49	
		For Chinking Material, Add		*13.25*	
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap		40.26	
		For Chinking Material, Add		*13.25*	
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap		42.51	
		For Chinking Material, Add		*13.25*	
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap		45.07	
		For Chinking Material, Add		*13.25*	
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap		47.14	
		For Chinking Material, Add		*13.25*	
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap		50.51	
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap		67.13	
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap		24.03	
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap		27.07	
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap		28.49	
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap		30.12	
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap		31.43	
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap		33.60	
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap		46.41	

31 40 Shoring And Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage		10.86	
		For Wood Sheeting Left In Place		*-0.70*	
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage		11.73	
		For Wood Sheeting Left In Place		*-0.87*	
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage		12.70	
		For Wood Sheeting Left In Place		*-1.04*	
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage		13.74	
		For Wood Sheeting Left In Place		*-1.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.87	
		For Wood Sheeting Left In Place	*-1.46*	
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	16.10	
		For Wood Sheeting Left In Place	*-1.70*	
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	17.44	
		For Wood Sheeting Left In Place	*-1.96*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*
Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,753.78	
		For Standard Sheeting Left In Place, Add	*876.17*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,260.99*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,819.47	
		For Standard Sheeting Left In Place, Add	*843.33*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,228.15*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,124.88	
		For Standard Sheeting Left In Place, Add	*690.62*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,075.44*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	
31 41 16 13-0005	TON	Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,418.75	
		For Standard Sheeting Left In Place, Add	*543.69*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*928.51*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	
31 41 16 13-0006	TON	Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,591.63	
		For Standard Sheeting Left In Place, Add	*457.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*842.07*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	
31 41 16 13-0007	TON	Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,767.95	
		For Standard Sheeting Left In Place, Add	*369.09*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*753.91*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*96.20*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*106.89*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*331.37*	
		For Each Additional Month >3 Months, Add	*53.45*	

31 45 Vibroflotation And Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	11.33

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micro-Pile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micro-Pile Mobilization Per Job	1,899.26
31 48 33 00-0003	EA	Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	474.82
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	254.32
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	313.67
31 48 33 00-0006	EA	Pile Load Test	2,374.08

31 50 Excavation Support And Protection *(31)*

31 52 Cofferdams *(31 50)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	27.50
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	35.20
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	49.50
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	63.79
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	82.49
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	164.98
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	230.98
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	326.67

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up *(31 52 21 00-0001)*
Note: Excludes crane usage where required.

31 52 21 00-0012	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	8.49
31 52 21 00-0013	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	13.58
31 52 21 00-0014	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	20.38
31 52 21 00-0015	LF	16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	27.16
31 52 21 00-0016	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	5.10
31 52 21 00-0017	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	8.49
31 52 21 00-0018	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	13.58
31 52 21 00-0019	LF	16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	18.67

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	4.24
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	6.79
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	10.18
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	13.58

31 60 Special Foundations And Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	25.29	
		For Piles Driven In Water, Add		*12.34*
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	31.71	
		For Piles Driven In Water, Add		*13.90*
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	38.43	
		For Piles Driven In Water, Add		*15.30*
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	47.04	
		For Piles Driven In Water, Add		*16.97*
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	57.08	
		For Piles Driven In Water, Add		*18.92*
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	66.01	
		For Piles Driven In Water, Add		*20.91*
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	84.17	
		For Piles Driven In Water, Add		*24.03*

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	42.06	
		For Piles Driven In Water, Add		*14.30*
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	53.04	
		For Piles Driven In Water, Add		*16.03*
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	64.13	
		For Piles Driven In Water, Add		*17.87*
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	77.88	
		For Piles Driven In Water, Add		*20.06*
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	143.18	
		For Piles Driven In Water, Add		*27.53*
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	87.86	
		For Piles Driven In Water, Add		*23.10*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0016		Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*		
31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	31.42	
		For Piles Driven In Water, Add	*12.68*	
31 62 13 23-0018	VLF	14" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	36.79	
		For Piles Driven In Water, Add	*13.78*	
31 62 13 23-0019	VLF	16" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	43.14	
		For Piles Driven In Water, Add	*15.04*	
31 62 13 23-0020	VLF	18" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	48.58	
		For Piles Driven In Water, Add	*16.32*	
31 62 13 23-0021	VLF	20" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	60.27	
		For Piles Driven In Water, Add	*18.29*	
31 62 13 23-0022	VLF	24" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	73.79	
		For Piles Driven In Water, Add	*20.59*	
31 62 16		**Steel Piles** *(31 62)*		
31 62 16 16		**Steel H Piles** *(31 62 16)*		
31 62 16 16-0001		Rolled, Driven Steel H Piles *(31 62 16 16)*		
31 62 16 16-0002	VLF	8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile	42.89	
		For Piles Driven In Water, Add	*15.02*	
31 62 16 16-0003	VLF	10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile	48.65	
		For Piles Driven In Water, Add	*16.13*	
31 62 16 16-0004	VLF	10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile	61.56	
		For Piles Driven In Water, Add	*17.42*	
31 62 16 16-0005	VLF	12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile	58.49	
		For Piles Driven In Water, Add	*17.45*	
31 62 16 16-0006	VLF	12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile	67.09	
		For Piles Driven In Water, Add	*18.31*	
31 62 16 16-0007	VLF	12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile	77.63	
		For Piles Driven In Water, Add	*20.34*	
31 62 16 16-0008	VLF	12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile	86.24	
		For Piles Driven In Water, Add	*21.20*	
31 62 16 16-0009	VLF	14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile	77.11	
		For Piles Driven In Water, Add	*20.59*	
31 62 16 16-0010	VLF	14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile	91.74	
		For Piles Driven In Water, Add	*22.05*	
31 62 16 16-0011	VLF	14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile	103.25	
		For Piles Driven In Water, Add	*24.28*	
31 62 16 16-0012	VLF	14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile	117.02	
		For Piles Driven In Water, Add	*25.65*	
31 62 16 16-0013		Splices, Caps, And Points For H-Piles *(31 62 16 16)*		
31 62 16 16-0014		Rolled Steel H Pile Splices *(31 62 16 16-0013)*		
31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	307.52	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	368.63	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	486.04	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	516.60	
31 62 16 16-0019		Rolled Steel H Driving Caps *(31 62 16 16-0013)*		
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	4,981.21	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	4,981.21	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	5,026.80	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	7,623.85	
31 62 16 16-0024		Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	338.08	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	368.63	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	486.04	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	577.71	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	486.04	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	636.89	
31 62 16 19		**Unfilled Tubular Steel Piles** *(31 62 16)*		
31 62 16 19-0001		Unfilled Tubular Driven Steel Piles *(31 62 16 19)*		
31 62 16 19-0002	VLF	8" Diameter, Unfilled Tubular Driven Steel Pile	34.62	
		For Piles Driven In Water, Add	*17.20*	
31 62 16 19-0003	VLF	10" Diameter, Unfilled Tubular Driven Steel Pile	39.46	
		For Piles Driven In Water, Add	*17.68*	
31 62 16 19-0004	VLF	12" Diameter, Unfilled Tubular Driven Steel Pile	45.97	
		For Piles Driven In Water, Add	*19.06*	
31 62 16 19-0005	VLF	14" Diameter, Unfilled Tubular Driven Steel Pile	49.80	
		For Piles Driven In Water, Add	*20.96*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0006	VLF	16" Diameter, Unfilled Tubular Driven Steel Pile	55.43	
		For Piles Driven In Water, Add	*23.39*	
31 62 16 19-0007	VLF	18" Diameter, Unfilled Tubular Driven Steel Pile	67.74	
		For Piles Driven In Water, Add	*26.12*	

31 62 16 19-0008 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0009 Steel Pipe Pile Splices *(31 62 16 19-0008)*

31 62 16 19-0010	EA	8" Diameter, Steel Pipe Pile Splice	220.98	
31 62 16 19-0011	EA	10" Diameter, Steel Pipe Pile Splice	237.26	
31 62 16 19-0012	EA	12" Diameter, Steel Pipe Pile Splice	308.74	
31 62 16 19-0013	EA	14" Diameter, Steel Pipe Pile Splice	324.80	
31 62 16 19-0014	EA	16" Diameter, Steel Pipe Pile Splice	392.21	
31 62 16 19-0015	EA	18" Diameter, Steel Pipe Pile Splice	473.16	

31 62 16 19-0016 Steel Pipe Standard Pile Points *(31 62 16 19-0008)*

31 62 16 19-0017	EA	8" Diameter, Steel Pipe Standard Pile Point	219.65	
31 62 16 19-0018	EA	10" Diameter, Steel Pipe Standard Pile Point	232.69	
31 62 16 19-0019	EA	12" Diameter, Steel Pipe Standard Pile Point	263.55	
31 62 16 19-0020	EA	14" Diameter, Steel Pipe Standard Pile Point	299.41	
31 62 16 19-0021	EA	16" Diameter, Steel Pipe Standard Pile Point	332.01	
31 62 16 19-0022	EA	18" Diameter, Steel Pipe Standard Pile Point	383.00	

31 62 16 19-0023 Steel Pipe Heavy Duty Pile Points *(31 62 16 19-0008)*

31 62 16 19-0024	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point	321.35	
31 62 16 19-0025	EA	12" Diameter, Steel Pipe Heavy Duty Pile Point	337.65	
31 62 16 19-0026	EA	14" Diameter, Steel Pipe Heavy Duty Pile Point	378.74	
31 62 16 19-0027	EA	16" Diameter, Steel Pipe Heavy Duty Pile Point	443.95	
31 62 16 19-0028	EA	18" Diameter, Steel Pipe Heavy Duty Pile Point	501.55	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 LB Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	30.98	
		For Piles Driven In Water, Add	*12.64*	
		For Untreated Pile, Deduct	*-7.54*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	32.52	
		For Piles Driven In Water, Add	*13.98*	
		For Untreated Pile, Deduct	*-7.62*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	34.27	
		For Piles Driven In Water, Add	*14.88*	
		For Untreated Pile, Deduct	*-7.97*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	36.81	
		For Piles Driven In Water, Add	*16.56*	
		For Untreated Pile, Deduct	*-8.33*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	46.02	
		For Piles Driven In Water, Add	*18.91*	
		For Untreated Pile, Deduct	*-11.14*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	57.59	
		For Piles Driven In Water, Add	*22.93*	
		For Untreated Pile, Deduct	*-14.25*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	37.90	
		For Piles Driven In Water, Add	*18.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0003	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	44.27	
		For Piles Driven In Water, Add	*19.69*	
31 62 23 13-0004	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	52.73	
		For Piles Driven In Water, Add	*21.82*	
31 62 23 13-0005	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	58.84	
		For Piles Driven In Water, Add	*25.23*	
31 62 23 13-0006	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	65.38	
		For Piles Driven In Water, Add	*27.05*	
31 62 23 13-0007	VLF	18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile	79.80	
		For Piles Driven In Water, Add	*30.14*	

31 62 23 13-0008 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0009	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	46.06	
		For Piles Driven In Water, Add	*16.06*	
31 62 23 13-0010	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	55.48	
		For Piles Driven In Water, Add	*17.82*	
31 62 23 13-0011	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	62.64	
		For Piles Driven In Water, Add	*19.48*	
31 62 23 13-0012	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	68.12	
		For Piles Driven In Water, Add	*21.12*	

31 62 23 13-0013 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0014	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	45.23	
		For Piles Driven In Water, Add	*15.98*	
31 62 23 13-0015	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	46.54	
		For Piles Driven In Water, Add	*16.92*	
31 62 23 13-0016	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	56.38	
		For Piles Driven In Water, Add	*18.85*	
31 62 23 13-0017	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	64.81	
		For Piles Driven In Water, Add	*20.79*	

31 62 23 13-0018 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0019	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	27.85	
		For Piles Driven In Water, Add	*12.44*	
		For Thick Wall Shell, Add	*0.04*	
31 62 23 13-0020	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	30.76	
		For Piles Driven In Water, Add	*13.80*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0021	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	33.66	
		For Piles Driven In Water, Add	*15.17*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0022	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	36.57	
		For Piles Driven In Water, Add	*16.54*	
		For Thick Wall Shell, Add	*0.06*	
31 62 23 13-0023	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	39.48	
		For Piles Driven In Water, Add	*17.90*	
		For Thick Wall Shell, Add	*0.06*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	712.22
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	949.64

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	40.85
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	47.49
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	55.80
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	65.77
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	71.09
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	78.21
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	85.67

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015	VLF	8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	40.90	
		For >2,400 To 3,600, Deduct	*-1.27*	
		For >3,600 To 4,800, Deduct	*-2.54*	
		For >4,800 To 6,000, Deduct	*-4.59*	
		For >6,000, Deduct	*-6.63*	
31 63 36 00-0016	VLF	10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	46.55	
		For >2,400 To 3,600, Deduct	*-1.42*	
		For >3,600 To 4,800, Deduct	*-2.85*	
		For >4,800 To 6,000, Deduct	*-5.18*	
		For >6,000, Deduct	*-7.50*	
31 63 36 00-0017	VLF	10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	59.46	
		For >2,400 To 3,600, Deduct	*-1.75*	
		For >3,600 To 4,800, Deduct	*-3.49*	
		For >4,800 To 6,000, Deduct	*-6.47*	
		For >6,000, Deduct	*-9.44*	
31 63 36 00-0018	VLF	12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	56.33	
		For >2,400 To 3,600, Deduct	*-1.68*	
		For >3,600 To 4,800, Deduct	*-3.35*	
		For >4,800 To 6,000, Deduct	*-6.17*	
		For >6,000, Deduct	*-8.99*	
31 63 36 00-0019	VLF	12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	64.93	
		For >2,400 To 3,600, Deduct	*-1.89*	
		For >3,600 To 4,800, Deduct	*-3.78*	
		For >4,800 To 6,000, Deduct	*-7.03*	
		For >6,000, Deduct	*-10.28*	
31 63 36 00-0020	VLF	12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	75.29	
		For >2,400 To 3,600, Deduct	*-2.17*	
		For >3,600 To 4,800, Deduct	*-4.35*	
		For >4,800 To 6,000, Deduct	*-8.11*	
		For >6,000, Deduct	*-11.88*	
31 63 36 00-0021	VLF	12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	83.90	
		For >2,400 To 3,600, Deduct	*-2.39*	
		For >3,600 To 4,800, Deduct	*-4.78*	
		For >4,800 To 6,000, Deduct	*-8.97*	
		For >6,000, Deduct	*-13.17*	
31 63 36 00-0022	VLF	14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	74.70	
		For >2,400 To 3,600, Deduct	*-2.17*	
		For >3,600 To 4,800, Deduct	*-4.33*	
		For >4,800 To 6,000, Deduct	*-8.07*	
		For >6,000, Deduct	*-11.80*	
31 63 36 00-0023	VLF	14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	89.33	
		For >2,400 To 3,600, Deduct	*-2.53*	
		For >3,600 To 4,800, Deduct	*-5.06*	
		For >4,800 To 6,000, Deduct	*-9.53*	
		For >6,000, Deduct	*-13.99*	
31 63 36 00-0024	VLF	14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	100.65	
		For >2,400 To 3,600, Deduct	*-2.84*	
		For >3,600 To 4,800, Deduct	*-5.68*	
		For >4,800 To 6,000, Deduct	*-10.71*	
		For >6,000, Deduct	*-15.74*	
31 63 36 00-0025	VLF	14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	114.42	
		For >2,400 To 3,600, Deduct	*-3.18*	
		For >3,600 To 4,800, Deduct	*-6.37*	
		For >4,800 To 6,000, Deduct	*-12.09*	
		For >6,000, Deduct	*-17.81*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	10.42	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-1.96*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	11.40	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.04*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	12.34	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.11*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	11.46	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.10*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	12.94	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.21*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	13.98	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.29*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	12.76	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.25*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	15.18	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.43*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	16.36	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.52*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 31 13 00-0088 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	38.31	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	42.55	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	46.80	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	51.06	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	55.31	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	59.57	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	69.19	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	49.40	
		For >50' To 100' Deep, Add	*5.12*	
		For >100' To 150' Deep, Add	*12.35*	
		For >150' To 200' Deep, Add	*16.90*	
		For Right Angle Drilling, Add	*12.10*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	64.19	
		For >50' To 100' Deep, Add	*7.25*	
		For >100' To 150' Deep, Add	*16.05*	
		For >150' To 200' Deep, Add	*22.70*	
		For Right Angle Drilling, Add	*13.86*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	92.72	
		For >50' To 100' Deep, Add	*10.90*	
		For >100' To 150' Deep, Add	*23.18*	
		For >150' To 200' Deep, Add	*33.32*	
		For Right Angle Drilling, Add	*18.68*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	124.38	
		For >50' To 100' Deep, Add	*15.04*	
		For >100' To 150' Deep, Add	*31.10*	
		For >150' To 200' Deep, Add	*45.23*	
		For Right Angle Drilling, Add	*23.74*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	162.50	
		For >50' To 100' Deep, Add	*20.28*	
		For >100' To 150' Deep, Add	*40.63*	
		For >150' To 200' Deep, Add	*59.88*	
		For Right Angle Drilling, Add	*29.04*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	196.07	
		For >50' To 100' Deep, Add	*24.83*	
		For >100' To 150' Deep, Add	*49.02*	
		For >150' To 200' Deep, Add	*72.70*	
		For Right Angle Drilling, Add	*33.93*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	240.61	
		For >50' To 100' Deep, Add	*31.25*	
		For >100' To 150' Deep, Add	*60.15*	
		For >150' To 200' Deep, Add	*90.20*	
		For Right Angle Drilling, Add	*39.18*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	285.25	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*37.69*	
		For >100' To 150' Deep, Add	*71.31*	
		For >150' To 200' Deep, Add	*107.73*	
		For Right Angle Drilling, Add	*44.44*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	335.76	
		Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*44.95*	
		For >100' To 150' Deep, Add	*83.94*	
		For >150' To 200' Deep, Add	*127.54*	
		For Right Angle Drilling, Add	*50.48*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	394.59	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*53.46*	
		For >100' To 150' Deep, Add	*98.65*	
		For >150' To 200' Deep, Add	*150.67*	
		For Right Angle Drilling, Add	*57.37*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	453.22	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*62.05*	
		For >100' To 150' Deep, Add	*113.31*	
		For >150' To 200' Deep, Add	*173.87*	
		For Right Angle Drilling, Add	*63.87*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	516.00	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*71.29*	
		For >100' To 150' Deep, Add	*129.00*	
		For >150' To 200' Deep, Add	*198.76*	
		For Right Angle Drilling, Add	*70.70*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	343.32	
		For >50' To 100' Deep, Add	*28.58*	
		For >100' To 150' Deep, Add	*85.83*	
		For >150' To 200' Deep, Add	*108.68*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,207.29	
		For >50' To 100' Deep, Add	*100.67*	
		For >100' To 150' Deep, Add	*301.82*	
		For >150' To 200' Deep, Add	*382.39*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	1,831.70	
		For >50' To 100' Deep, Add	*155.41*	
		For >100' To 150' Deep, Add	*457.93*	
		For >150' To 200' Deep, Add	*583.50*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	2,543.57	
		For >50' To 100' Deep, Add	*216.27*	
		For >100' To 150' Deep, Add	*635.89*	
		For >150' To 200' Deep, Add	*810.84*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	3,439.50	
		For >50' To 100' Deep, Add	*286.72*	
		For >100' To 150' Deep, Add	*859.88*	
		For >150' To 200' Deep, Add	*1,089.30*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	4,044.00	
		For >50' To 100' Deep, Add	*336.95*	
		For >100' To 150' Deep, Add	*1,011.00*	
		For >150' To 200' Deep, Add	*1,280.54*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	6,855.85	
		For >50' To 100' Deep, Add	*569.98*	
		For >100' To 150' Deep, Add	*1,713.96*	
		For >150' To 200' Deep, Add	*2,169.34*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	9,932.37	
		For >50' To 100' Deep, Add	*835.00*	
		For >100' To 150' Deep, Add	*2,483.09*	
		For >150' To 200' Deep, Add	*3,154.37*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	53.99	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*5.43*	
		For >100' To 150' Deep, Add	*13.50*	
		For >150' To 200' Deep, Add	*18.26*	
		For Right Angle Drilling, Add	*13.73*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	89.96	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*9.05*	
		For >100' To 150' Deep, Add	*22.49*	
		For >150' To 200' Deep, Add	*30.43*	
		For Right Angle Drilling, Add	*22.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	121.73	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*12.93*	
		For >100' To 150' Deep, Add	*30.43*	
		For >150' To 200' Deep, Add	*42.03*	
		For Right Angle Drilling, Add	*28.84*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	168.04	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*18.10*	
		For >100' To 150' Deep, Add	*42.01*	
		For >150' To 200' Deep, Add	*58.33*	
		For Right Angle Drilling, Add	*39.02*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	216.38	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*24.05*	
		For >100' To 150' Deep, Add	*54.10*	
		For >150' To 200' Deep, Add	*76.05*	
		For Right Angle Drilling, Add	*47.90*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	259.97	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*29.30*	
		For >100' To 150' Deep, Add	*64.99*	
		For >150' To 200' Deep, Add	*91.87*	
		For Right Angle Drilling, Add	*56.30*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	336.38	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*37.96*	
		For >100' To 150' Deep, Add	*84.10*	
		For >150' To 200' Deep, Add	*118.93*	
		For Right Angle Drilling, Add	*72.70*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	412.05	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*46.57*	
		For >100' To 150' Deep, Add	*103.01*	
		For >150' To 200' Deep, Add	*145.77*	
		For Right Angle Drilling, Add	*88.82*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	474.46	
		Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*54.66*	
		For >100' To 150' Deep, Add	*118.62*	
		For >150' To 200' Deep, Add	*169.15*	
		For Right Angle Drilling, Add	*99.03*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	545.17	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*64.00*	
		For >100' To 150' Deep, Add	*136.29*	
		For >150' To 200' Deep, Add	*195.85*	
		For Right Angle Drilling, Add	*110.07*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	623.47	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*73.97*	
		For >100' To 150' Deep, Add	*155.87*	
		For >150' To 200' Deep, Add	*224.95*	
		For Right Angle Drilling, Add	*123.45*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	706.24	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*84.60*	
		For >100' To 150' Deep, Add	*176.56*	
		For >150' To 200' Deep, Add	*255.83*	
		For Right Angle Drilling, Add	*137.28*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	393.49	
		For >50' To 100' Deep, Add	*32.09*	
		For >100' To 150' Deep, Add	*98.37*	
		For >150' To 200' Deep, Add	*123.73*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,371.51	
		For >50' To 100' Deep, Add	*112.17*	
		For >100' To 150' Deep, Add	*342.88*	
		For >150' To 200' Deep, Add	*431.66*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	1,860.69	
		For >50' To 100' Deep, Add	*140.60*	
		For >100' To 150' Deep, Add	*465.17*	
		For >150' To 200' Deep, Add	*571.15*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	3,018.66	
		For >50' To 100' Deep, Add	*249.52*	
		For >100' To 150' Deep, Add	*754.67*	
		For >150' To 200' Deep, Add	*953.37*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	3,907.53	
		For >50' To 100' Deep, Add	*319.49*	
		For >100' To 150' Deep, Add	*976.88*	
		For >150' To 200' Deep, Add	*1,229.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	4,594.63	
		For >50' To 100' Deep, Add	*375.50*	
		For >100' To 150' Deep, Add	*1,148.66*	
		For >150' To 200' Deep, Add	*1,445.73*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	7,791.91	
		For >50' To 100' Deep, Add	*635.50*	
		For >100' To 150' Deep, Add	*1,947.98*	
		For >150' To 200' Deep, Add	*2,450.16*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	11,269.59	
		For >50' To 100' Deep, Add	*928.60*	
		For >100' To 150' Deep, Add	*2,817.40*	
		For >150' To 200' Deep, Add	*3,555.54*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	191.74	
		For >50' To 100' Deep, Add	*15.07*	
		For >100' To 150' Deep, Add	*47.94*	
		For >150' To 200' Deep, Add	*59.59*	
		For Right Angle Drilling, Add	*61.94*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	319.58	
		For >50' To 100' Deep, Add	*25.12*	
		For >100' To 150' Deep, Add	*79.90*	
		For >150' To 200' Deep, Add	*99.32*	
		For Right Angle Drilling, Add	*103.25*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	482.77	
		For >50' To 100' Deep, Add	*38.20*	
		For >100' To 150' Deep, Add	*120.69*	
		For >150' To 200' Deep, Add	*150.34*	
		For Right Angle Drilling, Add	*155.20*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	619.42	
		For >50' To 100' Deep, Add	*49.69*	
		For >100' To 150' Deep, Add	*154.86*	
		For >150' To 200' Deep, Add	*193.74*	
		For Right Angle Drilling, Add	*197.01*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	798.78	
		For >50' To 100' Deep, Add	*64.82*	
		For >100' To 150' Deep, Add	*199.70*	
		For >150' To 200' Deep, Add	*250.77*	
		For Right Angle Drilling, Add	*251.74*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	963.69	
		For >50' To 100' Deep, Add	*78.56*	
		For >100' To 150' Deep, Add	*240.92*	
		For >150' To 200' Deep, Add	*302.98*	
		For Right Angle Drilling, Add	*302.60*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	1,182.14	
		For >50' To 100' Deep, Add	*97.16*	
		For >100' To 150' Deep, Add	*295.54*	
		For >150' To 200' Deep, Add	*372.66*	
		For Right Angle Drilling, Add	*368.71*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	1,400.03	
		For >50' To 100' Deep, Add	*115.73*	
		For >100' To 150' Deep, Add	*350.01*	
		For >150' To 200' Deep, Add	*442.17*	
		For Right Angle Drilling, Add	*434.61*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	1,545.11	
		For >50' To 100' Deep, Add	*129.61*	
		For >100' To 150' Deep, Add	*386.28*	
		For >150' To 200' Deep, Add	*490.35*	
		For Right Angle Drilling, Add	*473.75*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	1,697.83	
		For >50' To 100' Deep, Add	*144.68*	
		For >100' To 150' Deep, Add	*424.46*	
		For >150' To 200' Deep, Add	*541.65*	
		For Right Angle Drilling, Add	*513.50*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	1,753.91	
		For >50' To 100' Deep, Add	*153.10*	
		For >100' To 150' Deep, Add	*438.48*	
		For >150' To 200' Deep, Add	*564.08*	
		For Right Angle Drilling, Add	*519.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	2,090.49	
		For >50' To 100' Deep, Add	*181.50*	
		For >100' To 150' Deep, Add	*522.62*	
		For >150' To 200' Deep, Add	*671.11*	
		For Right Angle Drilling, Add	*621.77*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	668.39	
		For >50' To 100' Deep, Add	*51.33*	
		For >100' To 150' Deep, Add	*167.10*	
		For >150' To 200' Deep, Add	*206.20*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,352.37	
		For >50' To 100' Deep, Add	*180.83*	
		For >100' To 150' Deep, Add	*588.09*	
		For >150' To 200' Deep, Add	*725.91*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,531.14	
		For >50' To 100' Deep, Add	*274.37*	
		For >100' To 150' Deep, Add	*882.79*	
		For >150' To 200' Deep, Add	*1,093.33*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	5,026.51	
		For >50' To 100' Deep, Add	*390.07*	
		For >100' To 150' Deep, Add	*1,256.63*	
		For >150' To 200' Deep, Add	*1,555.72*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	6,634.56	
		For >50' To 100' Deep, Add	*510.38*	
		For >100' To 150' Deep, Add	*1,658.64*	
		For >150' To 200' Deep, Add	*2,047.82*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	8,080.15	
		For >50' To 100' Deep, Add	*619.48*	
		For >100' To 150' Deep, Add	*2,020.04*	
		For >150' To 200' Deep, Add	*2,491.39*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	12,235.97	
		For >50' To 100' Deep, Add	*946.58*	
		For >100' To 150' Deep, Add	*3,058.99*	
		For >150' To 200' Deep, Add	*3,783.37*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	18,411.82	
		For >50' To 100' Deep, Add	*1,428.56*	
		For >100' To 150' Deep, Add	*4,602.96*	
		For >150' To 200' Deep, Add	*5,698.21*	

31 64 13 00-0070 Caisson Setup And Removal *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	3,054.89	
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	4,330.18	
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,431.07	
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	1,908.09	
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	119.26	

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter *(31 68 13 00-0002)*

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	146.07	
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	209.12	
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	252.95	
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	335.25	

31 68 13 00-0008 1" Diameter *(31 68 13 00-0002)*

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	182.69	
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	279.56	
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	357.19	
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	473.32	

31 68 13 00-0013 1-3/8" Diameter *(31 68 13 00-0002)*

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	295.64	
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	457.28	
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	599.70	
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	780.57	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0018		2" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	639.15	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	948.72	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,239.02	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,567.83	
31 68 13 00-0023		Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		3/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	109.00	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	145.41	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	162.52	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	216.87	
31 68 13 00-0029		1" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	128.01	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	177.44	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	206.10	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	273.24	
31 68 13 00-0034		1-1/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	183.85	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	257.48	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	311.53	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	401.79	
31 68 13 00-0039		2" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	468.09	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	664.60	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	808.75	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	1,000.10	
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	102.89	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	132.50	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	142.85	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	191.69	
31 68 13 00-0050		1" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	114.64	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	151.93	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	170.00	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	226.50	
31 68 13 00-0055		1-1/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	161.64	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	209.08	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	237.35	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	304.07	
31 68 13 00-0060		Resin Anchoring With Grade 60 Rebar *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		Rebar #6 *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	61.65	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	84.82	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	88.76	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	123.29	
31 68 13 00-0066		Rebar #8 *(31 68 13 00-0060)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	64.71	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	90.94	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	97.95	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	143.42	
31 68 13 00-0071		Rebar #10 *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	69.09	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	99.70	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	111.07	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	160.92	
31 68 13 00-0076		Rebar #14 *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	79.59	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	120.70	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	142.58	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	202.93	
31 68 13 00-0081		Plastic Rebar Collars, Sizes #6-#14 *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	0.67	
31 68 13 00-0083		12" Long Resin Cartridges *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	1.93	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	2.64	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	2.83	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	3.06	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	3.51	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	4.40	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	6.04	
31 68 13 00-0091		Head Assembly *(31 68 13 00-0001)*		
31 68 13 00-0092		3/4" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	19.15	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	16.13	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	16.91	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	30.37	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	30.37	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	28.77	
31 68 13 00-0099		1" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	20.63	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	17.66	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	18.45	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	31.95	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	31.95	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	30.46	
31 68 13 00-0106		1-1/4" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	46.04	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	53.78	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	54.55	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	48.38	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	56.41	
31 68 13 00-0112		1-7/8" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	181.20	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	124.92	
31 68 13 00-0115		2" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	181.20	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	124.92	
31 68 13 00-0118		Steel Plates With Standard Hole And Washers *(31 68 13 00-0001)*		
31 68 13 00-0119		Steel Plates *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	2.86	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	5.27	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	7.34	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	12.87	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.00	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	13.12	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	21.78	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	30.86	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	18.52	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	52.40	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	77.21	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	33.89	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	91.67	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	45.84	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	110.26	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	50.60	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	122.29	
31 68 13 00-0137		Hardened Washers *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	0.63	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	0.88	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	2.45	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	6.10	
31 68 13 00-0142		Beveled Washers *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	1.60	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	1.58	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	2.38	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	10.20	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	7.05	
31 68 13 00-0148		Hex Nuts *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	1.25	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	2.03	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	8.34	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	5.25	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	33.50	
31 68 13 00-0154		Drilling Operation For Rockbolts *(31 68 13)*		
31 68 13 00-0155		Drill Holes For Rock Bolts *(31 68 13 00-0154)*		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	142.52	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	269.19	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	403.80	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	484.56	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	186.37	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	346.12	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	484.56	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	605.69	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	201.90	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	403.80	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	605.69	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	807.59	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	242.27	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	484.56	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	807.59	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,211.39	
31 68 13 00-0176		Tools *(31 68 13)*		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	401.12	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	591.12	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	991.68	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,484.67	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	2,219.30	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	140.36	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	87.98	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	228.52	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	159.37	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	306.06	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	75.49	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	381.55	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	391.99	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	838.77	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	14.40	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	23.80	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	21.79	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	125.14	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,052.68	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	1,837.89	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	331.14	

END OF SECTION 31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal From Paving *(32 01 11)*

32 01 11 53-0001 Remove Pavement Markings *(32 01 11 53)*

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.46	
		For Up To 250, Add	*0.73*	
		For >250 To 1,000, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 25,000, Deduct	*-0.37*	
		For >25,000 To 50,000, Deduct	*-0.51*	
		For >50,000, Deduct	*-0.58*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	1.76	
		For Up To 250, Add	*0.88*	
		For >250 To 1,000, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 25,000, Deduct	*-0.44*	
		For >25,000 To 50,000, Deduct	*-0.62*	
		For >50,000, Deduct	*-0.70*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.11	
		For Up To 250, Add	*1.06*	
		For >250 To 1,000, Add	*0.53*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 25,000, Deduct	*-0.53*	
		For >25,000 To 50,000, Deduct	*-0.74*	
		For >50,000, Deduct	*-0.84*	
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	2.52	
		For Up To 250, Add	*1.26*	
		For >250 To 1,000, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.63*	
		For >25,000 To 50,000, Deduct	*-0.88*	
		For >50,000, Deduct	*-1.01*	
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	2.52	
		For Up To 250, Add	*1.26*	
		For >250 To 1,000, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.63*	
		For >25,000 To 50,000, Deduct	*-0.88*	
		For >50,000, Deduct	*-1.01*	
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	1.88	
		For Up To 250, Add	*0.94*	
		For >250 To 1,000, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 25,000, Deduct	*-0.47*	
		For >25,000 To 50,000, Deduct	*-0.66*	
		For >50,000, Deduct	*-0.75*	
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	2.22	
		For Up To 250, Add	*1.11*	
		For >250 To 1,000, Add	*0.56*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 25,000, Deduct	*-0.56*	
		For >25,000 To 50,000, Deduct	*-0.78*	
		For >50,000, Deduct	*-0.89*	
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	2.69	
		For Up To 250, Add	*1.35*	
		For >250 To 1,000, Add	*0.67*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 25,000, Deduct	*-0.67*	
		For >25,000 To 50,000, Deduct	*-0.94*	
		For >50,000, Deduct	*-1.08*	
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	3.21	
		For Up To 250, Add	*1.61*	
		For >250 To 1,000, Add	*0.80*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000 To 25,000, Deduct	*-0.80*	
		For >25,000 To 50,000, Deduct	*-1.12*	
		For >50,000, Deduct	*-1.28*	
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	3.21	
		For Up To 250, Add	*1.61*	
		For >250 To 1,000, Add	*0.80*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000 To 25,000, Deduct	*-0.80*	
		For >25,000 To 50,000, Deduct	*-1.12*	
		For >50,000, Deduct	*-1.28*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 62		**Asphalt Surface Treatment** *(32 01 13)*		
32 01 13 62-0001		Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 62)*		
		Note: Includes sweeping and cleaning of area.		
32 01 13 62-0002	EA	Asphalt Seal Coating Minimum	520.65	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 01 13 62-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating	8.70	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.72*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.94*	
		For Latex Modified Asphalt Emulsion, Add	*0.72*	
32 01 13 62-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating	7.82	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.65*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.86*	
		For Latex Modified Asphalt Emulsion, Add	*0.65*	
32 01 13 62-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating	7.17	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.61*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.81*	
		For Latex Modified Asphalt Emulsion, Add	*0.61*	
32 01 13 62-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating	6.49	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.57*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.76*	
		For Latex Modified Asphalt Emulsion, Add	*0.57*	
32 01 13 62-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating	5.41	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.48*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
		For Latex Modified Asphalt Emulsion, Add	*0.48*	
32 01 13 62-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating	4.32	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Latex Modified Asphalt Emulsion, Add	*0.39*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.48*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.52*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.67*	
32 01 13 62-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating	10.60	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.89*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*1.17*	
		For Latex Modified Asphalt Emulsion, Add	*0.89*	
32 01 13 62-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating	9.14	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.77*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*1.01*	
		For Latex Modified Asphalt Emulsion, Add	*0.77*	
32 01 13 62-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating	8.41	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.72*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.95*	
		For Latex Modified Asphalt Emulsion, Add	*0.72*	
32 01 13 62-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating	7.68	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.67*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.89*	
		For Latex Modified Asphalt Emulsion, Add	*0.67*	
32 01 13 62-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating	6.46	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.57*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.77*	
		For Latex Modified Asphalt Emulsion, Add	*0.57*	
32 01 13 62-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating	5.24	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Latex Modified Asphalt Emulsion, Add	*0.47*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.49*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.56*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.71*	
32 01 13 62-0015		Sand Sealer *(32 01 13 62)*		
		Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 01 13 62-0016	SY	Up To 200 SY Sand Seal	4.96	
32 01 13 62-0017	SY	>200 To 500 SY Sand Seal	4.36	
32 01 13 62-0018	SY	>500 To 1,100 SY Sand Seal	3.80	
32 01 13 62-0019	SY	>1,100 To 4,400 SY Sand Seal	3.26	
32 01 13 62-0020	SY	>4,400 To 7,800 SY Sand Seal	2.97	
32 01 13 62-0021	SY	>7,800 To 16,700 SY Sand Seal	2.72	
32 01 13 62-0022	SY	>16,700 SY Sand Seal	2.17	
32 01 16		Flexible Paving Rehabilitation *(32 01)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0037 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	3.46	
		For Up To 2,500, Add	*2.60*	
		For >2,500 To 5,000, Add	*0.87*	
		For >10,000 To 25,000, Deduct	*-0.35*	
		For >25,000, Deduct	*-0.52*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	4.61	
		For Up To 2,500, Add	*3.46*	
		For >2,500 To 5,000, Add	*1.15*	
		For >10,000 To 25,000, Deduct	*-0.46*	
		For >25,000, Deduct	*-0.69*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	6.13	
		For Up To 2,500, Add	*4.60*	
		For >2,500 To 5,000, Add	*1.53*	
		For >10,000 To 25,000, Deduct	*-0.61*	
		For >25,000, Deduct	*-0.92*	

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0037 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	21.86	
		For >100 To 1,000, Deduct	*-10.93*	
		For >1,000, Deduct	*-16.40*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	28.95	
		For >100 To 1,000, Deduct	*-14.48*	
		For >1,000, Deduct	*-21.71*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	38.55	
		For >100 To 1,000, Deduct	*-19.28*	
		For >1,000, Deduct	*-28.91*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.81

32 01 16 71-0012 Wedge Grinding Cold Milling *(32 01 16 71)*

Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning .

32 01 16 71-0013	LF	5' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	6.07
32 01 16 71-0014	LF	10' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	12.14

32 01 16 71-0015 Cutback Ramp *(32 01 16 71)*

32 01 16 71-0016	LF	1" Differential, 5' Length, Cutback Ramp	8.83
32 01 16 71-0017	LF	1-1/2" Differential, 5' Length, Cutback Ramp	10.56
32 01 16 71-0018	LF	2" Differential, 5' Length, Cutback Ramp	12.16

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.69
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.44
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.88
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.46
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.19
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.02
32 01 16 73-0008	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.91

32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	4.02	
		For >12" To 18" Depth, Add	*1.41*	
32 01 16 73-0011	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.21	
		For >12" To 18" Depth, Add	*1.17*	
32 01 16 73-0012	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.79	
		For >12" To 18" Depth, Add	*1.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0013	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.52	
		For >12" To 18" Depth, Add	*0.96*	
32 01 16 73-0014	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.35	
		For >12" To 18" Depth, Add	*0.91*	
32 01 16 73-0015	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.24	
		For >12" To 18" Depth, Add	*0.88*	

32 01 16 73-0016 Supplemental Aggregate *(32 01 16 73)*

32 01 16 73-0017	TON	Supplemental Aggregate	59.82	

32 01 16 73-0018 Cold-In-Place Recycling (CALTRAN) *(32 01 16 73)*

32 01 16 73-0019	TON	Sand Cover (CIPR)	58.00	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 2,500, Deduct	*-2.90*	
		For >2,500 To 5,000, Deduct	*-4.06*	
		For >5,000, Deduct	*-5.22*	
32 01 16 73-0020	SY	Cold In Place Recycling (CIPR)	6.50	
		For >10,000 To 25,000, Deduct	*-0.65*	
		For >25,000, Deduct	*-0.98*	
32 01 16 73-0021	TON	Cement (CIPR)	135.00	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,500, Deduct	*-6.75*	
		For >2,500 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-12.15*	
32 01 16 73-0022	TON	Emulsified Recycling Agent (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	
32 01 16 73-0023	TON	Asphaltic Emulsion (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep	9.63	
32 01 16 74-0003	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	11.45	
32 01 16 74-0004	TON	Remove, Rejuvenate, Respread Asphalt Grindings	150.33	

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.78	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.89	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.94	
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.79	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.21	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	12.85	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.43	
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.03	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	14.13	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.07	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.53	
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.26	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	15.41	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.71	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.85	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.59	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,324.82	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.26
		For 3/4" x 1/2" Fill, Add	*0.33*
		For 1" x 1/2" Fill, Add	*0.62*
		For Backer Rod, Add	*0.70*
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.03
		For 3/4" x 1/2" Fill, Add	*0.28*
		For 1" x 1/2" Fill, Add	*0.52*
		For Backer Rod, Add	*0.64*
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.81
		For 3/4" x 1/2" Fill, Add	*0.22*
		For 1" x 1/2" Fill, Add	*0.41*
		For Backer Rod, Add	*0.57*
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.70
		For 3/4" x 1/2" Fill, Add	*0.19*
		For 1" x 1/2" Fill, Add	*0.36*
		For Backer Rod, Add	*0.54*
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.62
		For 3/4" x 1/2" Fill, Add	*0.17*
		For 1" x 1/2" Fill, Add	*0.32*
		For Backer Rod, Add	*0.51*
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.57
		For 3/4" x 1/2" Fill, Add	*0.16*
		For 1" x 1/2" Fill, Add	*0.29*
		For Backer Rod, Add	*0.49*
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.27
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.83
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.41
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.24
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.12
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.04
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.42

32 01 17 63 Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,387.06
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	421.43
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,318.48
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	398.57
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,284.19
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	387.14
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,249.90
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	375.71

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,455.72
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	473.64
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,421.43
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	462.21
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,387.14
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	450.78

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0017		**Asphalt Placement For Small Repairs** *(32 01 17 63)* Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,905.42	
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	258.07	
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,836.84	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	235.21	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,802.55	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	223.78	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,768.26	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	212.35	
32 01 17 63-0026		**Grind Asphalt** *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	16.93	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving Of Concrete Paving *(32 01 26)*

32 01 26 71-0001		**Roadway Grooving** *(32 01 26 71)*		
32 01 26 71-0002	SY	Pavement Grooving, Concrete, Longitudinal	0.99	
32 01 26 71-0003	SY	Pavement Grooving, Concrete, Transverse	0.74	
32 01 26 71-0004		**Rumble Strips** *(32 01 26 71)*		
32 01 26 71-0005	LF	Safe-Strips Shoulder Rumble Strips, Asphalt	0.30	
32 01 26 71-0006	LF	Safe-Strips Shoulder Rumble Strips, Concrete	0.71	
32 01 26 71-0007		**Boat Ramps Grooving** *(32 01 26 71)*		
32 01 26 71-0008	SY	Concrete Grooving, Boat Ramps	1.59	

32 01 90 Operation And Maintenance Of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	10.35	
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.25	
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	8.87	
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	7.49	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	156.94	
		For <1 Acre, Add	*39.24*	
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	5.38	
		For Light Brush Areas, Deduct	*-0.81*	
		For Heavy Brush Areas, Add	*1.08*	
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	4.17	
		For Light Brush Areas, Deduct	*-0.63*	
		For Heavy Brush Areas, Add	*0.83*	
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	19.07	
		For Light Brush Areas, Deduct	*-2.86*	
		For Heavy Brush Areas, Add	*3.81*	
		For Work On Slopes >2:1, Add	*4.77*	
		For Clearing Light Brush, Add	*2.86*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	16.01	
		For Light Brush Areas, Deduct	*-2.40*	
		For Heavy Brush Areas, Add	*3.20*	
		For Work On Slopes >2:1, Add	*4.00*	
		For Clearing Light Brush, Add	*2.40*	
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	15.87	
		For Light Brush Areas, Deduct	*-2.38*	
		For Heavy Brush Areas, Add	*3.17*	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years. Includes loading onto truck or dumspter.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0002	EA	Tree Pruning (Crown Cleaning), 1-1/2" Caliper	24.24	
		For Crown Thinning, Tree Pruning, Add	*5.45*	
		For Crown Raising, Pruning, Add	*8.48*	
		For Crown Reduction, Tree Pruning, Add	*10.91*	
		For Crown Restoration, Pruning, Add	*16.16*	
32 01 90 23-0003	EA	Tree Pruning (Crown Cleaning), 2" Caliper	27.70	
		For Crown Thinning, Tree Pruning, Add	*6.23*	
		For Crown Raising, Pruning, Add	*9.70*	
		For Crown Reduction, Tree Pruning, Add	*12.47*	
		For Crown Restoration, Pruning, Add	*18.47*	
32 01 90 23-0004	EA	Tree Pruning (Crown Cleaning), 2-1/2" Caliper	31.17	
		For Crown Thinning, Tree Pruning, Add	*7.01*	
		For Crown Raising, Pruning, Add	*10.91*	
		For Crown Reduction, Tree Pruning, Add	*14.03*	
		For Crown Restoration, Pruning, Add	*20.78*	
32 01 90 23-0005	EA	Tree Pruning (Crown Cleaning), 3" Caliper	34.63	
		For Crown Thinning, Tree Pruning, Add	*7.79*	
		For Crown Raising, Pruning, Add	*12.12*	
		For Crown Reduction, Tree Pruning, Add	*15.58*	
		For Crown Restoration, Pruning, Add	*23.09*	
32 01 90 23-0006	EA	Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	52.63	
		For Crown Thinning, Tree Pruning, Add	*11.84*	
		For Crown Raising, Pruning, Add	*18.42*	
		For Crown Reduction, Tree Pruning, Add	*23.68*	
		For Crown Restoration, Pruning, Add	*35.09*	
32 01 90 23-0007	EA	Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	86.48	
		For Crown Thinning, Tree Pruning, Add	*19.46*	
		For Crown Raising, Pruning, Add	*30.27*	
		For Crown Reduction, Tree Pruning, Add	*38.92*	
		For Crown Restoration, Pruning, Add	*57.66*	
32 01 90 23-0008	EA	Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	92.12	
		For Crown Thinning, Tree Pruning, Add	*20.73*	
		For Crown Raising, Pruning, Add	*32.24*	
		For Crown Reduction, Tree Pruning, Add	*41.45*	
		For Crown Restoration, Pruning, Add	*61.42*	
32 01 90 23-0009	EA	Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	164.70	
		For Crown Thinning, Tree Pruning, Add	*37.06*	
		For Crown Raising, Pruning, Add	*57.65*	
		For Crown Reduction, Tree Pruning, Add	*74.12*	
		For Crown Restoration, Pruning, Add	*109.81*	
32 01 90 23-0010	EA	Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	147.52	
		For Crown Thinning, Tree Pruning, Add	*33.19*	
		For Crown Raising, Pruning, Add	*51.63*	
		For Crown Reduction, Tree Pruning, Add	*66.38*	
		For Crown Restoration, Pruning, Add	*98.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0011	EA	Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment	263.47	
		For Crown Thinning, Tree Pruning, Add	*59.28*	
		For Crown Raising, Pruning, Add	*92.21*	
		For Crown Reduction, Tree Pruning, Add	*118.56*	
		For Crown Restoration, Pruning, Add	*175.66*	
32 01 90 23-0012	EA	Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	170.45	
		For Crown Thinning, Tree Pruning, Add	*38.35*	
		For Crown Raising, Pruning, Add	*59.66*	
		For Crown Reduction, Tree Pruning, Add	*76.70*	
		For Crown Restoration, Pruning, Add	*113.64*	
32 01 90 23-0013	EA	Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment	304.69	
		For Crown Thinning, Tree Pruning, Add	*68.56*	
		For Crown Raising, Pruning, Add	*106.64*	
		For Crown Reduction, Tree Pruning, Add	*137.11*	
		For Crown Restoration, Pruning, Add	*203.14*	
32 01 90 23-0014	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand	198.14	
		For Crown Thinning, Tree Pruning, Add	*44.58*	
		For Crown Raising, Pruning, Add	*69.35*	
		For Crown Reduction, Tree Pruning, Add	*89.16*	
		For Crown Restoration, Pruning, Add	*132.10*	
32 01 90 23-0015	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	354.10	
		For Crown Thinning, Tree Pruning, Add	*79.67*	
		For Crown Raising, Pruning, Add	*123.94*	
		For Crown Reduction, Tree Pruning, Add	*159.35*	
		For Crown Restoration, Pruning, Add	*236.08*	
32 01 90 23-0016	EA	Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	241.20	
		For Crown Thinning, Tree Pruning, Add	*54.27*	
		For Crown Raising, Pruning, Add	*84.42*	
		For Crown Reduction, Tree Pruning, Add	*108.54*	
		For Crown Restoration, Pruning, Add	*160.81*	
32 01 90 23-0017	EA	Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment	428.29	
		For Crown Thinning, Tree Pruning, Add	*96.37*	
		For Crown Raising, Pruning, Add	*149.90*	
		For Crown Reduction, Tree Pruning, Add	*192.73*	
		For Crown Restoration, Pruning, Add	*285.54*	
32 01 90 23-0018	EA	Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	299.62	
		For Crown Thinning, Tree Pruning, Add	*67.41*	
		For Crown Raising, Pruning, Add	*104.87*	
		For Crown Reduction, Tree Pruning, Add	*134.83*	
		For Crown Restoration, Pruning, Add	*199.76*	
32 01 90 23-0019	EA	Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment	539.78	
		For Crown Thinning, Tree Pruning, Add	*121.45*	
		For Crown Raising, Pruning, Add	*188.92*	
		For Crown Reduction, Tree Pruning, Add	*242.90*	
		For Crown Restoration, Pruning, Add	*359.87*	
32 01 90 23-0020	EA	Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	410.37	
		For Crown Thinning, Tree Pruning, Add	*92.33*	
		For Crown Raising, Pruning, Add	*143.63*	
		For Crown Reduction, Tree Pruning, Add	*184.67*	
		For Crown Restoration, Pruning, Add	*273.59*	
32 01 90 23-0021	EA	Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment	731.57	
		For Crown Thinning, Tree Pruning, Add	*164.60*	
		For Crown Raising, Pruning, Add	*256.05*	
		For Crown Reduction, Tree Pruning, Add	*329.21*	
		For Crown Restoration, Pruning, Add	*487.74*	
32 01 90 23-0022	EA	Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	651.05	
		For Crown Thinning, Tree Pruning, Add	*146.49*	
		For Crown Raising, Pruning, Add	*227.87*	
		For Crown Reduction, Tree Pruning, Add	*292.97*	
		For Crown Restoration, Pruning, Add	*434.06*	
32 01 90 23-0023	EA	Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment	1,176.48	
		For Crown Thinning, Tree Pruning, Add	*264.71*	
		For Crown Raising, Pruning, Add	*411.77*	
		For Crown Reduction, Tree Pruning, Add	*529.42*	
		For Crown Restoration, Pruning, Add	*784.36*	
32 01 90 23-0024	EA	Trim Mexican Palm Tree	73.44	
32 01 90 23-0025	EA	Trim Date Palm Tree	165.72	
32 01 90 23-0026	LF	Skin Palm Tree	18.83	

32 01 90 23-0027 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0028	MSF	Shrub Pruning, Prune, Shrub Bed	78.94	
32 01 90 23-0029	EA	Shrub Pruning, Prune, Shrub Under 3' Height	2.77	
32 01 90 23-0030	EA	Shrub Pruning, Prune, Shrub 4' Height	6.23	
32 01 90 23-0031	EA	Shrub Pruning, Prune, Shrub Over 6'	11.08	
32 01 90 23-0032	EA	Shrub Pruning, Prune Trees From Ground	27.70	
32 01 90 23-0033	EA	Shrub Pruning, Prune Trees From Ground, High Work	69.27	

32 01 90 23-0034 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0035	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	13.86	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0036	EA	Root Pruning, One Side Of 2" Caliper Tree	17.32	
32 01 90 23-0037	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	20.79	
32 01 90 23-0038	EA	Root Pruning, One Side Of 3" Caliper Tree	27.70	
32 01 90 23-0039	EA	Root Pruning, One Side Of 4" Caliper Tree	41.56	
32 01 90 23-0040	EA	Root Pruning, One Side Of 6" Caliper Tree	51.95	
32 01 90 23-0041	EA	Root Pruning, One Side Of 9" Caliper Tree	72.73	
32 01 90 23-0042	EA	Root Pruning, One Side Of 12" Caliper Tree	83.12	
32 01 90 23-0043	EA	Root Pruning, One Side Of 18" Caliper Tree	96.98	
32 01 90 23-0044	EA	Root Pruning, One Side Of 24" Caliper Tree	121.22	
32 01 90 23-0045	EA	Root Pruning, One Side Of 30" Caliper Tree	148.93	
32 01 90 23-0046	EA	Root Pruning, One Side Of 36" Caliper Tree	173.17	
32 01 90 23-0047	EA	Root Pruning, One Side Of 48" Caliper Tree	207.81	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	31.01	
32 01 90 26-0003	CSF	Watering Groundcover	5.04	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	9.26	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	18.60	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	24.42	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	30.25	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	37.23	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	9.32	

32 01 90 36 Weed And Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	6.24	
		For >45 To 90, Deduct		*-0.33*
		For >90 To 225, Deduct		*-0.96*
		For >225 To 870, Deduct		*-1.58*
		For >870, Deduct		*-1.92*
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.61	
		For >45 To 90, Deduct		*-0.37*
		For >90 To 225, Deduct		*-1.03*
		For >225 To 870, Deduct		*-1.69*
		For >870, Deduct		*-2.06*
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) Note: Includes pre and post emergent.	6.59	
		For >45 To 90, Deduct		*-0.37*
		For >90 To 225, Deduct		*-1.03*
		For >225 To 870, Deduct		*-1.69*
		For >870, Deduct		*-2.06*
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) Note: Includes pre and post emergents.	6.81	
		For >45 To 90, Deduct		*-0.39*
		For >90 To 225, Deduct		*-1.07*
		For >225 To 870, Deduct		*-1.75*
		For >870, Deduct		*-2.14*

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	8.42	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	8.43	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	8.77	

32 01 90 43 Weed And Cultivate *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	33.94	
32 01 90 43-0002	MSF	Weed Unmulched Bed	96.99	
32 01 90 43-0003	MSF	Cultivate Bed	52.23	

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.48	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.72	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	10.18	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	10.37	

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	4.17	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 10 Bases, Ballasts, And Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	89.78
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	85.53

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.64
		For Up To 1,000, Add	*0.17*
		For >1,000 To 2,500, Add	*0.06*
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.88
		For Up To 1,000, Add	*0.24*
		For >1,000 To 2,500, Add	*0.09*
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.14
		For Up To 1,000, Add	*0.31*
		For >1,000 To 2,500, Add	*0.11*
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.47
		For Up To 1,000, Add	*0.40*
		For >1,000 To 2,500, Add	*0.15*
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.81
		For Up To 1,000, Add	*0.49*
		For >1,000 To 2,500, Add	*0.18*
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.09
		For Up To 1,000, Add	*0.57*
		For >1,000 To 2,500, Add	*0.21*
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.36
		For Up To 1,000, Add	*0.64*
		For >1,000 To 2,500, Add	*0.24*

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	93.93

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.44
		For Up To 150, Add	*0.08*
		For >150 To 300, Add	*0.04*
		For >300 To 500, Add	*0.02*
		For >3,500 To 5,000, Deduct	*-0.01*
		For >5,000, Deduct	*-0.03*
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.48
		For Up To 150, Add	*0.09*
		For >150 To 300, Add	*0.05*
		For >300 To 500, Add	*0.02*
		For >3,500 To 5,000, Deduct	*-0.01*
		For >5,000, Deduct	*-0.03*
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.56
		For Up To 150, Add	*0.11*
		For >150 To 300, Add	*0.06*
		For >300 To 500, Add	*0.03*
		For >3,500 To 5,000, Deduct	*-0.01*
		For >5,000, Deduct	*-0.04*
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.60
		For Up To 150, Add	*0.12*
		For >150 To 300, Add	*0.06*
		For >300 To 500, Add	*0.03*
		For >3,500 To 5,000, Deduct	*-0.02*
		For >5,000, Deduct	*-0.04*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	0.68	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	0.73	
		For Up To 150, Add	*0.15*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.19	
		For Up To 150, Add	*0.26*	
		For >150 To 300, Add	*0.12*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.08*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.25	
		For Up To 150, Add	*0.28*	
		For >150 To 300, Add	*0.13*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.09*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	1.32	
		For Up To 150, Add	*0.30*	
		For >150 To 300, Add	*0.13*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.09*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0037 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY	127.13	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*15.75*	
		For >500 To 1,000, Deduct	*-5.61*	
		For >1,000 To 2,500, Deduct	*-10.17*	
		For >2,500 To 5,000, Deduct	*-15.79*	
		For >5,000, Deduct	*-22.63*	
		For Warm Mix Additive, Add	*6.83*	
32 12 16 13-0003	SY	1" Thick Binder Course	7.36	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.87*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000 To 50,000, Deduct	*-0.58*	
		For >50,000 To 100,000, Deduct	*-0.90*	
		For >100,000, Deduct	*-1.30*	
32 12 16 13-0004	SY	1-1/2" Thick Binder Course	10.88	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.30*	
		For >7,000 To 14,000, Deduct	*-0.48*	
		For >14,000 To 32,000, Deduct	*-0.87*	
		For >32,000 To 64,000, Deduct	*-1.34*	
		For >64,000, Deduct	*-1.93*	
32 12 16 13-0005	SY	2" Thick Binder Course	14.37	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.73*	
		For >5,000 To 10,000, Deduct	*-0.63*	
		For >10,000 To 24,000, Deduct	*-1.15*	
		For >24,000 To 48,000, Deduct	*-1.78*	
		For >48,000, Deduct	*-2.56*	
32 12 16 13-0006	SY	2-1/2" Thick Binder Course	17.48	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.16*	
		For >4,000 To 8,000, Deduct	*-0.78*	
		For >8,000 To 20,000, Deduct	*-1.42*	
		For >20,000 To 40,000, Deduct	*-2.20*	
		For >40,000, Deduct	*-3.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0007	SY	3" Thick Binder Course	20.62	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.60*	
		For >3,000 To 6,000, Deduct	*-0.93*	
		For >6,000 To 16,000, Deduct	*-1.69*	
		For >16,000 To 32,000, Deduct	*-2.62*	
		For >32,000, Deduct	*-3.76*	
32 12 16 13-0008	SY	3-1/2" Thick Binder Course	24.01	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.03*	
		For >2,800 To 5,600, Deduct	*-1.09*	
		For >5,600 To 14,000, Deduct	*-1.97*	
		For >14,000 To 28,000, Deduct	*-3.06*	
		For >28,000, Deduct	*-4.38*	
32 12 16 13-0009	SY	4" Thick Binder Course	27.48	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.46*	
		For >2,500 To 5,000, Deduct	*-1.24*	
		For >5,000 To 12,000, Deduct	*-2.25*	
		For >12,000 To 24,000, Deduct	*-3.49*	
		For >24,000, Deduct	*-5.01*	
32 12 16 13-0010	SY	5" Thick Binder Course	34.32	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.32*	
		For >2,000 To 3,900, Deduct	*-1.55*	
		For >3,900 To 10,000, Deduct	*-2.81*	
		For >10,000 To 20,000, Deduct	*-4.37*	
		For >20,000, Deduct	*-6.26*	
32 12 16 13-0011	SY	6" Thick Binder Course	41.24	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*5.19*	
		For >1,600 To 3,200, Deduct	*-1.86*	
		For >3,200 To 8,000, Deduct	*-3.38*	
		For >8,000 To 16,000, Deduct	*-5.24*	
		For >16,000, Deduct	*-7.52*	

32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY	127.87	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*2.51*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000 To 2,500, Deduct	*-9.92*	
		For >2,500 To 5,000, Deduct	*-15.39*	
		For >5,000, Deduct	*-22.08*	
		For Warm Mix Additive, Add	*6.51*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	141.49	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*7.10*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course	151.51	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*7.75*	
32 12 16 13-0016	SY	1" Thick Surface Course	7.25	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.13*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000 To 50,000, Deduct	*-0.55*	
		For >50,000 To 100,000, Deduct	*-0.86*	
		For >100,000, Deduct	*-1.23*	
32 12 16 13-0017	SY	1-1/2" Thick Surface Course	10.67	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.20*	
		For >7,000 To 14,000, Deduct	*-0.45*	
		For >14,000 To 32,000, Deduct	*-0.82*	
		For >32,000 To 64,000, Deduct	*-1.27*	
		For >64,000, Deduct	*-1.83*	
32 12 16 13-0018	SY	2" Thick Surface Course	14.06	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000 To 24,000, Deduct	*-1.09*	
		For >24,000 To 48,000, Deduct	*-1.68*	
		For >48,000, Deduct	*-2.42*	
32 12 16 13-0019	SY	2-1/2" Thick Surface Course	16.96	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.33*	
		For >4,000 To 8,000, Deduct	*-0.73*	
		For >8,000 To 20,000, Deduct	*-1.33*	
		For >20,000 To 40,000, Deduct	*-2.07*	
		For >40,000, Deduct	*-2.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0020	SY	3" Thick Surface Course	19.90	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.39*	
		For >3,000 To 6,000, Deduct	*-0.87*	
		For >6,000 To 16,000, Deduct	*-1.58*	
		For >16,000 To 32,000, Deduct	*-2.45*	
		For >32,000, Deduct	*-3.52*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	55.26	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY	285.74	
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 13-0024 AC Dikes *(32 12 16 13)*

See CSI section 32 11 23 16-0001 for base course.

32 12 16 13-0025	LF	Type A, Asphalt Concrete Dike	9.96	4.14
		For Up To 100, Add	*4.56*	
		For >100 To 500, Add	*1.33*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.33*	
32 12 16 13-0026	LF	Type C, Asphalt Concrete Dike	8.76	4.14
		For Up To 100, Add	*4.26*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.27*	
32 12 16 13-0027	LF	Type D, Asphalt Concrete Dike	11.94	4.14
		For Up To 100, Add	*5.06*	
		For >100 To 500, Add	*1.43*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.43*	
32 12 16 13-0028	LF	Type E, Asphalt Concrete Dike	9.92	4.14
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.32*	
32 12 16 13-0029	LF	Type F, Asphalt Concrete Dike	9.11	4.14
		For Up To 100, Add	*4.35*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.28*	

32 12 16 13-0030 Ditch Lining *(32 12 16 13)*

32 12 16 13-0031	SY	4" Concrete Ditch Pavement	52.40
32 12 16 13-0032	SY	4" Asphalt Ditch Pavement	40.69
32 12 16 13-0033	SY	4" Soil-Cement Ditch Pavement	6.27
32 12 16 13-0034	SY	4" Rip-Rap Ditch Pavement	5.22

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	11.23
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	10.97
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.32

32 12 16 39 Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.88	
		For Up To 50, Add	*0.21*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.94	
		For Up To 50, Add	*0.22*	
		For >50 To 150, Add	*0.16*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	29.90
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	22.50
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	14.14

32 12 33 Flexible Paving Surface Treatments *(32 12)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 33 00-0001		**Bituminous Surface Treatment For Roadways** *(32 12 33)*		
		Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.69	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.81	
32 12 33 00-0004		**Bituminous Surface Treatment For Trails** *(32 12 33)*		
		Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.88	
32 12 36		**Seal Coats** *(32 12)*		
		See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 00-0001		**Thermoplastic Coal-Tar Asphalt Seal** *(32 12 36)*		
		Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	8.69	
32 12 36 00-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	8.10	
32 12 36 00-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	7.11	
32 12 36 00-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	6.32	
32 12 36 00-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.33	
32 12 36 00-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.34	
32 12 36 00-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	10.38	
32 12 36 00-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	9.73	
32 12 36 00-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	8.57	
32 12 36 00-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	7.66	
32 12 36 00-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.49	
32 12 36 00-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.33	
32 12 36 00-0014		**Water Based Emulsion Sealer** *(32 12 36)*		
		Note: Includes sweeping and cleaning of area.		
32 12 36 00-0015	SY	Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat	3.60	
		For Additional Coats, Add	*1.99*	
32 12 36 00-0016	SY	>500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.89	
		For Additional Coats, Add	*1.59*	
32 12 36 00-0017	SY	>1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.19	
		For Additional Coats, Add	*1.20*	
32 12 36 00-0018		**Fog Sealer** *(32 12 36)*		
32 12 36 00-0019	SY	Up To 200 SY Fog Seal	2.20	
32 12 36 00-0020	SY	>200 To 500 SY Fog Seal	1.59	
32 12 36 00-0021	SY	>500 To 1,100 SY Fog Seal	1.39	
32 12 36 00-0022	SY	>1,100 To 4,400 SY Fog Seal	1.00	
32 12 36 00-0023	SY	>4,400 To 7,800 SY Fog Seal	0.89	
32 12 36 00-0024	SY	>7,800 To 16,700 SY Fog Seal	0.80	
32 12 36 00-0025	SY	>16,700 SY Fog Seal	0.72	
32 12 36 00-0026		**Asphalt Emulsion Sealers (Chip Seal)** *(32 12 36)*		
32 12 36 00-0027		**Fine Screenings Seal Coat** *(32 12 36 00-0026)*		
		Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0028	SY	Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.23	
32 12 36 00-0029	SY	>200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.56	
32 12 36 00-0030	SY	>500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.33	
32 12 36 00-0031	SY	>1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.91	
32 12 36 00-0032	SY	>4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.78	
32 12 36 00-0033	SY	>7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.68	
32 12 36 00-0034	SY	>16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.58	
32 12 36 00-0035		**Medium Fine Screenings Seal Coat** *(32 12 36 00-0026)*		
		Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0036	SY	Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.66	
32 12 36 00-0037	SY	>200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.93	
32 12 36 00-0038	SY	>500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.69	
32 12 36 00-0039	SY	>1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.26	
32 12 36 00-0040	SY	>4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.11	
32 12 36 00-0041	SY	>7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.01	
32 12 36 00-0042	SY	>16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.90	
32 12 36 00-0043		**Medium Screenings Seal Coat** *(32 12 36 00-0026)*		
		Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0044	SY	Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.80	
32 12 36 00-0045	SY	>200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.06	
32 12 36 00-0046	SY	>500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.81	
32 12 36 00-0047	SY	>1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.38	
32 12 36 00-0048	SY	>4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.22	
32 12 36 00-0049	SY	>7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.12	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0050	SY	>16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.00	
32 12 36 00-0051		Course Screenings Seal Coat *(32 12 36 00-0026)*		
		Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0052	SY	Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.89	
32 12 36 00-0053	SY	>200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.13	
32 12 36 00-0054	SY	>500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.88	
32 12 36 00-0055	SY	>1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.44	
32 12 36 00-0056	SY	>4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.28	
32 12 36 00-0057	SY	>7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.17	
32 12 36 00-0058	SY	>16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.05	
32 12 36 00-0059		Double Screenings Seal Coat *(32 12 36 00-0026)*		
		Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0060	SY	Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	6.02	
32 12 36 00-0061	SY	>200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.89	
32 12 36 00-0062	SY	>500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.50	
32 12 36 00-0063	SY	>1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.85	
32 12 36 00-0064	SY	>4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.63	
32 12 36 00-0065	SY	>7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.46	
32 12 36 00-0066	SY	>16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.28	
32 12 36 00-0067		Seal Coat With Sand And Latex *(32 12 36)*		
32 12 36 00-0068	SY	Up To 250 SY Seal Coat With Sand And Latex Added (One Coat)	4.66	
32 12 36 00-0069	SY	>250 To 500 SY Seal Coat With Sand And Latex Added (One Coat)	3.85	
32 12 36 00-0070	SY	>500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat)	3.05	
32 12 36 00-0071	SY	>1,000 To 2,500 SF Seal Coat With Sand And Latex Added (One Coat)	2.26	
32 12 36 00-0072	SY	>2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.77	
32 12 36 00-0073	SY	>5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.61	
32 12 36 00-0074	SY	>10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.45	
32 12 36 00-0075	SY	>20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.29	
32 12 36 00-0076	SY	>40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.13	
32 12 36 00-0077		Asphalt Rubber Aggregate Membrane *(32 12 36)*		
		Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0078	SY	Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane	6.63	
32 12 36 00-0079	SY	>200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	5.42	
32 12 36 00-0080	SY	>500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	5.01	
32 12 36 00-0081	SY	>1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	4.34	
32 12 36 00-0082	SY	>4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	4.10	
32 12 36 00-0083	SY	>7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.91	
32 12 36 00-0084	SY	>16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.71	
32 12 43		**Porous Flexible Paving** *(32 12)*		
32 12 43 00-0001		Flexible Recycled Plastic Porous Grid *(32 12 43)*		
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	24.81	
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	*8.87*	
		For >100 To 500, Add	*2.31*	
		For >1,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-2.02*	
32 12 73		**Asphalt Paving Joint Sealants** *(32 12)*		
32 12 73 00-0001		Expansion Joint In Sidewalk *(32 12 73)*		
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.73	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	51.05	
		For 2,500 PSI Concrete, Deduct	*-3.28*	
		For 3,000 PSI Concrete, Deduct	*-2.14*	
		For 3,500 PSI Concrete, Deduct	*-1.71*	
		For 4,000 PSI Concrete, Deduct	*-0.74*	
		For 5,000 PSI Concrete, Add	*0.46*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.71*	
		For <12' Wide Pass, Add	*8.48*	
		For 24' Or Greater Wide Pass, Deduct	*-10.21*	
		For Air Entrainment, Add	*1.43*	
		For Slipforming, Deduct	*-5.11*	
		For Up To 100, Add	*19.21*	
		For >100 To 250, Add	*11.03*	
		For >250 To 500, Add	*5.52*	
		For >1,000 To 2,000, Deduct	*-1.43*	
		For >2,000 To 5,000, Deduct	*-2.70*	
		For >5,000 To 10,000, Deduct	*-3.98*	
		For >10,000 To 20,000, Deduct	*-5.26*	
		For >20,000, Deduct	*-6.53*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	60.83	
		For 2,500 PSI Concrete, Deduct	*-4.12*	
		For 3,000 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Deduct	*-2.15*	
		For 4,000 PSI Concrete, Deduct	*-0.93*	
		For 5,000 PSI Concrete, Add	*0.57*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.66*	
		For <12' Wide Pass, Add	*9.83*	
		For 24' Or Greater Wide Pass, Deduct	*-12.17*	
		For Air Entrainment, Add	*1.79*	
		For Slipforming, Deduct	*-6.08*	
		For Up To 100, Add	*22.17*	
		For >100 To 250, Add	*12.87*	
		For >250 To 500, Add	*6.44*	
		For >1,000 To 2,000, Deduct	*-1.79*	
		For >2,000 To 5,000, Deduct	*-3.31*	
		For >5,000 To 10,000, Deduct	*-4.83*	
		For >10,000 To 20,000, Deduct	*-6.35*	
		For >20,000, Deduct	*-7.87*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	64.87	
		For 2,500 PSI Concrete, Deduct	*-4.35*	
		For 3,000 PSI Concrete, Deduct	*-2.83*	
		For 3,500 PSI Concrete, Deduct	*-2.27*	
		For 4,000 PSI Concrete, Deduct	*-0.98*	
		For 5,000 PSI Concrete, Add	*0.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.91*	
		For <12' Wide Pass, Add	*10.55*	
		For 24' Or Greater Wide Pass, Deduct	*-12.97*	
		For Air Entrainment, Add	*1.89*	
		For Slipforming, Deduct	*-6.49*	
		For Up To 100, Add	*23.81*	
		For >100 To 250, Add	*13.79*	
		For >250 To 500, Add	*6.90*	
		For >1,000 To 2,000, Deduct	*-1.89*	
		For >2,000 To 5,000, Deduct	*-3.51*	
		For >5,000 To 10,000, Deduct	*-5.13*	
		For >10,000 To 20,000, Deduct	*-6.75*	
		For >20,000, Deduct	*-8.38*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	77.65	
		For 2,500 PSI Concrete, Deduct	*-5.48*	
		For 3,000 PSI Concrete, Deduct	*-3.57*	
		For 3,500 PSI Concrete, Deduct	*-2.86*	
		For 4,000 PSI Concrete, Deduct	*-1.24*	
		For 5,000 PSI Concrete, Add	*0.76*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.20*	
		For <12' Wide Pass, Add	*12.26*	
		For 24' Or Greater Wide Pass, Deduct	*-15.53*	
		For Air Entrainment, Add	*2.38*	
		For Slipforming, Deduct	*-7.77*	
		For Up To 100, Add	*27.53*	
		For >100 To 250, Add	*16.15*	
		For >250 To 500, Add	*8.07*	
		For >1,000 To 2,000, Deduct	*-2.38*	
		For >2,000 To 5,000, Deduct	*-4.32*	
		For >5,000 To 10,000, Deduct	*-6.27*	
		For >10,000 To 20,000, Deduct	*-8.21*	
		For >20,000, Deduct	*-10.15*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	88.30	
		For 2,500 PSI Concrete, Deduct	*-6.02*	
		For 3,000 PSI Concrete, Deduct	*-3.92*	
		For 3,500 PSI Concrete, Deduct	*-3.14*	
		For 4,000 PSI Concrete, Deduct	*-1.36*	
		For 5,000 PSI Concrete, Add	*0.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.80*	
		For <12' Wide Pass, Add	*14.23*	
		For 24' Or Greater Wide Pass, Deduct	*-17.66*	
		For Air Entrainment, Add	*2.62*	
		For Slipforming, Deduct	*-8.83*	
		For Up To 100, Add	*32.06*	
		For >100 To 250, Add	*18.64*	
		For >250 To 500, Add	*9.32*	
		For >1,000 To 2,000, Deduct	*-2.62*	
		For >2,000 To 5,000, Deduct	*-4.82*	
		For >5,000 To 10,000, Deduct	*-7.03*	
		For >10,000 To 20,000, Deduct	*-9.24*	
		For >20,000, Deduct	*-11.45*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	100.19	
		For 2,500 PSI Concrete, Deduct	*-6.95*	
		For 3,000 PSI Concrete, Deduct	*-4.53*	
		For 3,500 PSI Concrete, Deduct	*-3.63*	
		For 4,000 PSI Concrete, Deduct	*-1.57*	
		For 5,000 PSI Concrete, Add	*0.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.86*	
		For <12' Wide Pass, Add	*15.98*	
		For 24' Or Greater Wide Pass, Deduct	*-20.04*	
		For Air Entrainment, Add	*3.02*	
		For Slipforming, Deduct	*-10.02*	
		For Up To 100, Add	*35.93*	
		For >100 To 250, Add	*20.99*	
		For >250 To 500, Add	*10.49*	
		For >1,000 To 2,000, Deduct	*-3.02*	
		For >2,000 To 5,000, Deduct	*-5.53*	
		For >5,000 To 10,000, Deduct	*-8.03*	
		For >10,000 To 20,000, Deduct	*-10.54*	
		For >20,000, Deduct	*-13.04*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	111.49	
		For 2,500 PSI Concrete, Deduct	*-7.65*	
		For 3,000 PSI Concrete, Deduct	*-4.99*	
		For 3,500 PSI Concrete, Deduct	*-3.99*	
		For 4,000 PSI Concrete, Deduct	*-1.73*	
		For 5,000 PSI Concrete, Add	*1.06*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.65*	
		For <12' Wide Pass, Add	*17.90*	
		For 24' Or Greater Wide Pass, Deduct	*-22.30*	
		For Air Entrainment, Add	*3.33*	
		For Slipforming, Deduct	*-11.15*	
		For Up To 100, Add	*40.29*	
		For >100 To 250, Add	*23.47*	
		For >250 To 500, Add	*11.74*	
		For >1,000 To 2,000, Deduct	*-3.33*	
		For >2,000 To 5,000, Deduct	*-6.11*	
		For >5,000 To 10,000, Deduct	*-8.90*	
		For >10,000 To 20,000, Deduct	*-11.69*	
		For >20,000, Deduct	*-14.47*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	132.73	
		For 2,500 PSI Concrete, Deduct	*-9.06*	
		For 3,000 PSI Concrete, Deduct	*-5.91*	
		For 3,500 PSI Concrete, Deduct	*-4.72*	
		For 4,000 PSI Concrete, Deduct	*-2.05*	
		For 5,000 PSI Concrete, Add	*1.26*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.24*	
		For <12' Wide Pass, Add	*21.37*	
		For 24' Or Greater Wide Pass, Deduct	*-26.55*	
		For Air Entrainment, Add	*3.94*	
		For Slipforming, Deduct	*-13.27*	
		For Up To 100, Add	*48.14*	
		For >100 To 250, Add	*28.01*	
		For >250 To 500, Add	*14.00*	
		For >1,000 To 2,000, Deduct	*-3.94*	
		For >2,000 To 5,000, Deduct	*-7.26*	
		For >5,000 To 10,000, Deduct	*-10.57*	
		For >10,000 To 20,000, Deduct	*-13.89*	
		For >20,000, Deduct	*-17.21*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	168.35	
		For 2,500 PSI Concrete, Deduct	*-11.12*	
		For 3,000 PSI Concrete, Deduct	*-7.25*	
		For 3,500 PSI Concrete, Deduct	*-5.80*	
		For 4,000 PSI Concrete, Deduct	*-2.51*	
		For 5,000 PSI Concrete, Add	*1.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.57*	
		For <12' Wide Pass, Add	*27.58*	
		For 24' Or Greater Wide Pass, Deduct	*-33.67*	
		For Air Entrainment, Add	*4.84*	
		For Slipforming, Deduct	*-16.84*	
		For Up To 100, Add	*62.33*	
		For >100 To 250, Add	*36.00*	
		For >250 To 500, Add	*18.00*	
		For >1,000 To 2,000, Deduct	*-4.84*	
		For >2,000 To 5,000, Deduct	*-9.04*	
		For >5,000 To 10,000, Deduct	*-13.25*	
		For >10,000 To 20,000, Deduct	*-17.46*	
		For >20,000, Deduct	*-21.67*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	3.88	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assembly *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	12.06	
		For >5,000 To 30,000, Deduct	*-1.33*	
		For >30,000 To 100,000, Deduct	*-2.47*	
		For >100,000, Deduct	*-3.07*	
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	15.08	
		For >5,000 To 30,000, Deduct	*-1.62*	
		For >30,000 To 100,000, Deduct	*-2.96*	
		For >100,000, Deduct	*-3.68*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	7.21	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	10.96	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.13	1.95
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.45	1.99
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.80	2.03
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.83	2.07
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.11	2.11
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.79	2.16
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	15.25	2.20

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	3.18	0.86
		For >1,000 To 2,000, Deduct	*-0.40*	
		For >2,000 To 4,000, Deduct	*-0.58*	
		For >4,000, Deduct	*-0.74*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	3.42	0.86
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000, Deduct	*-0.31*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	3.30	0.86
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 1,500, Deduct	*-0.48*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	3.84	0.86
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 1,500, Deduct	*-0.62*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	4.88	0.86
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 1,500, Deduct	*-0.88*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	5.68	0.86
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 1,500, Deduct	*-1.08*	

32 14 11 Bedding For Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	0.95	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.12*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	1.18	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.13*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	1.54	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.16*	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	1.96	
		For Up To 100, Add	*0.73*	
		For >100 To 500, Add	*0.20*	
		For >1,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.18*	
32 14 11 00-0006	SF	1" Mortar Bedding	2.82	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.36*	
		For >1,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.35*	
32 14 11 00-0007	SF	2" Mortar Bedding	4.16	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.50*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.48*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.44	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.18*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.	10.38	2.76
		For 2-3/4" Concrete Paver, Add	*1.00*	
		For 3-1/8" Concrete Paver, Add	*1.63*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.80*	
		For Up To 100, Add	*3.98*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	9.88	2.52
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.98*	
		For 3-1/8" Concrete Paver, Add	*1.59*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.75*	
		For Up To 100, Add	*3.73*	
		For >100 To 500, Add	*1.00*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.90*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	9.43	2.01
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.96*	
		For 3-1/8" Concrete Paver, Add	*1.55*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.70*	
		For Up To 100, Add	*3.51*	
		For >100 To 500, Add	*0.93*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.83*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	9.01	2.08
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.93*	
		For 3-1/8" Concrete Paver, Add	*1.52*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.66*	
		For Up To 100, Add	*3.30*	
		For >100 To 500, Add	*0.87*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.77*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	9.64	2.40
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*0.97*	
		For 3-1/8" Concrete Paver, Add	*1.57*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.72*	
		For Up To 100, Add	*3.61*	
		For >100 To 500, Add	*0.96*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.87*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	8.45	2.40
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*0.90*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.83*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	10.34	2.76
		For 1-3/8" Thick Paver, Deduct	*-1.96*	
		For 2-3/4" Thick Paver (Vehicular), Add	*4.37*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.79*	
		For Up To 100, Add	*3.97*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.98*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	14.85	3.15
		For 1-3/8" Thick Paver, Deduct	*-3.30*	
		For 2-3/4" Thick Paver (Vehicular), Add	*7.60*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.06*	
		For Up To 100, Add	*5.29*	
		For >100 To 500, Add	*1.37*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.20*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 00-0001 Turf Block Plastic Paving *(32 14 33)*

32 14 33 00-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	12.05	2.40
		For Up To 100, Add	*4.21*	
		For >100 To 500, Add	*1.08*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.94*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	16.05	2.30
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.03*	
		For 1/4" Thick Paver, Deduct	*-8.48*	
		For 1/2" Thick Paver, Deduct	*-5.96*	
		For Up To 100, Add	*5.16*	
		For >100 To 500, Add	*1.26*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.03*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	15.63	2.08
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.99*	
		For 1/4" Thick Paver, Deduct	*-8.38*	
		For 1/2" Thick Paver, Deduct	*-5.90*	
		For Up To 100, Add	*4.95*	
		For >100 To 500, Add	*1.20*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.97*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	14.90	1.72
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.92*	
		For 1/4" Thick Paver, Deduct	*-8.19*	
		For 1/2" Thick Paver, Deduct	*-5.79*	
		For Up To 100, Add	*4.59*	
		For >100 To 500, Add	*1.09*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.86*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	14.59	1.57
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.89*	
		For 1/4" Thick Paver, Deduct	*-8.12*	
		For 1/2" Thick Paver, Deduct	*-5.74*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*1.04*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.81*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	15.23	1.89
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.95*	
		For 1/4" Thick Paver, Deduct	*-8.28*	
		For 1/2" Thick Paver, Deduct	*-5.84*	
		For Up To 100, Add	*4.75*	
		For >100 To 500, Add	*1.14*	
		For >1,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.91*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	20.58	2.30
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.26*	
		For 2" Granite Paver, Add	*1.03*	
		For 3" Granite Paver, Add	*2.06*	
		For 4" Granite Paver, Add	*2.29*	
		For Up To 100, Add	*6.29*	
		For >100 To 500, Add	*1.49*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.17*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	20.16	2.08
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.22*	
		For 2" Granite Paver, Add	*1.01*	
		For 3" Granite Paver, Add	*2.02*	
		For 4" Granite Paver, Add	*2.22*	
		For Up To 100, Add	*6.08*	
		For >100 To 500, Add	*1.43*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-1.11*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	19.43	1.72
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.14*	
		For 2" Granite Paver, Add	*0.97*	
		For 3" Granite Paver, Add	*1.94*	
		For 4" Granite Paver, Add	*2.12*	
		For Up To 100, Add	*5.72*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-1.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0011	SF	1" Thick, >216 Sl Granite Paver	19.12	1.57
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.11*	
		For 2" Granite Paver, Add	*0.96*	
		For 3" Granite Paver, Add	*1.91*	
		For 4" Granite Paver, Add	*2.07*	
		For Up To 100, Add	*5.56*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.95*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	19.76	1.89
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.18*	
		For 2" Granite Paver, Add	*0.99*	
		For 3" Granite Paver, Add	*1.98*	
		For 4" Granite Paver, Add	*2.16*	
		For Up To 100, Add	*5.88*	
		For >100 To 500, Add	*1.37*	
		For >1,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-1.05*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	85.02	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	53.79	

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	11.93	
		Note: Placed in 2 lifts.		
		For Additional 2" Lift	*5.97*	
		For >45 To 180, Deduct	*-0.84*	
		For >180 To 450, Deduct	*-1.08*	
		For >450, Deduct	*-1.32*	

32 16 Curbs, Gutters, Sidewalks, And Driveways *(32 10)*

32 16 13 Curbs And Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curb And Gutter *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Straight	22.52	10.08
		For Up To 20, Add	*15.28*	
		For >20 To 50, Add	*8.52*	
		For >50 To 100, Add	*3.38*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-4.90*	
		For Rolled Curb And Gutter	*1.50*	
32 16 13 13-0003	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Radius	24.58	13.44
		For Up To 20, Add	*16.68*	
		For >20 To 50, Add	*9.31*	
		For >50 To 100, Add	*3.69*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-5.36*	
		For Rolled Curb And Gutter	*1.64*	
32 16 13 13-0004	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Straight	28.71	11.17
		For Up To 20, Add	*19.45*	
		For >20 To 50, Add	*10.84*	
		For >50 To 100, Add	*4.31*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.21*	
		For Rolled Curb And Gutter	*1.87*	
32 16 13 13-0005	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Radius	31.74	12.44
		For Up To 20, Add	*21.52*	
		For >20 To 50, Add	*12.00*	
		For >50 To 100, Add	*4.76*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-6.89*	
		For Rolled Curb And Gutter	*2.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0006	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	34.91	13.44
		For Up To 20, Add	*23.63*	
		For >20 To 50, Add	*13.16*	
		For >50 To 100, Add	*5.24*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000, Deduct	*-7.52*	
		For Rolled Curb And Gutter	*2.25*	
32 16 13 13-0007	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	38.90	15.12
		For Up To 20, Add	*26.36*	
		For >20 To 50, Add	*14.69*	
		For >50 To 100, Add	*5.84*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000, Deduct	*-8.43*	
		For Rolled Curb And Gutter	*2.55*	
32 16 13 13-0008	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Straight	41.53	15.96
		For Up To 20, Add	*28.11*	
		For >20 To 50, Add	*15.65*	
		For >50 To 100, Add	*6.23*	
		For >500 To 1,000, Deduct	*-5.27*	
		For >1,000, Deduct	*-8.94*	
		For Rolled Curb And Gutter	*2.66*	
32 16 13 13-0009	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Radius	45.65	17.65
		For Up To 20, Add	*30.92*	
		For >20 To 50, Add	*17.22*	
		For >50 To 100, Add	*6.85*	
		For >500 To 1,000, Deduct	*-5.81*	
		For >1,000, Deduct	*-9.86*	
		For Rolled Curb And Gutter	*2.96*	
32 16 13 13-0010	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Straight	48.15	18.49
		For Up To 20, Add	*32.59*	
		For >20 To 50, Add	*18.14*	
		For >50 To 100, Add	*7.22*	
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000, Deduct	*-10.36*	
		For Rolled Curb And Gutter	*3.08*	
32 16 13 13-0011	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Radius	52.39	20.17
		For Up To 20, Add	*35.47*	
		For >20 To 50, Add	*19.75*	
		For >50 To 100, Add	*7.86*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000, Deduct	*-11.29*	
		For Rolled Curb And Gutter	*3.37*	
32 16 13 13-0012	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Straight	54.77	21.01
		For Up To 20, Add	*37.06*	
		For >20 To 50, Add	*20.63*	
		For >50 To 100, Add	*8.22*	
		For >500 To 1,000, Deduct	*-6.94*	
		For >1,000, Deduct	*-11.78*	
		For Rolled Curb And Gutter	*3.50*	
32 16 13 13-0013	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Radius	60.82	23.53
		For Up To 20, Add	*41.20*	
		For >20 To 50, Add	*22.95*	
		For >50 To 100, Add	*9.12*	
		For >500 To 1,000, Deduct	*-7.75*	
		For >1,000, Deduct	*-13.14*	
		For Rolled Curb And Gutter	*3.95*	

32 16 13 13-0014 Cast In Place Concrete Curbs *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0015	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6)	16.51	8.45
		For Up To 20, Add	*10.06*	
		For >20 To 50, Add	*5.71*	
		For >50 To 100, Add	*2.18*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.68*	
32 16 13 13-0016	LF	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	18.92	9.72
		For Up To 20, Add	*11.60*	
		For >20 To 50, Add	*6.58*	
		For >50 To 100, Add	*2.51*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-4.24*	
32 16 13 13-0017	LF	6" x 14" Cast In Place Concrete Curb (Type A1-8)	18.18	8.45
		For Up To 20, Add	*11.03*	
		For >20 To 50, Add	*6.25*	
		For >50 To 100, Add	*2.39*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-4.04*	
32 16 13 13-0018	LF	6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	20.84	9.72
		For Up To 20, Add	*12.72*	
		For >20 To 50, Add	*7.21*	
		For >50 To 100, Add	*2.75*	
		For >500 To 1,000, Deduct	*-2.75*	
		For >1,000, Deduct	*-4.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0019	LF	6" x 16" Cast In Place Concrete Curb	20.02	8.45
		For Up To 20, Add	*12.03*	
		For >20 To 50, Add	*6.82*	
		For >50 To 100, Add	*2.61*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-4.41*	
32 16 13 13-0020	LF	6" x 16" Cast In Place Concrete Curb - Radius	22.92	12.67
		For Up To 20, Add	*13.87*	
		For >20 To 50, Add	*7.87*	
		For >50 To 100, Add	*3.00*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000, Deduct	*-5.08*	
32 16 13 13-0021	LF	6" x 18" Cast In Place Concrete Curb	21.52	8.45
		For Up To 20, Add	*12.84*	
		For >20 To 50, Add	*7.27*	
		For >50 To 100, Add	*2.78*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-4.71*	
32 16 13 13-0022	LF	6" x 18" Cast In Place Concrete Curb - Radius	24.31	9.72
		For Up To 20, Add	*14.57*	
		For >20 To 50, Add	*8.26*	
		For >50 To 100, Add	*3.16*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-5.34*	
32 16 13 13-0023	LF	6" x 24" Cast In Place Concrete Curb	24.73	9.30
		For Up To 20, Add	*14.34*	
		For >20 To 50, Add	*8.11*	
		For >50 To 100, Add	*3.11*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-5.29*	
32 16 13 13-0024	LF	6" x 24" Cast In Place Concrete Curb - Radius	27.66	10.56
		For Up To 20, Add	*16.09*	
		For >20 To 50, Add	*9.10*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-5.93*	
32 16 13 13-0025	LF	12" x 24" Cast In Place Concrete Curb	32.81	10.56
		For Up To 20, Add	*17.12*	
		For >20 To 50, Add	*9.62*	
		For >50 To 100, Add	*3.75*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-6.45*	
32 16 13 13-0026	LF	12" x 24" Cast In Place Concrete Curb - Radius	36.51	11.83
		For Up To 20, Add	*19.13*	
		For >20 To 50, Add	*10.75*	
		For >50 To 100, Add	*4.19*	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000, Deduct	*-7.20*	
32 16 13 13-0027	EA	Additional Finish For Handicap Drop Section In Curb	63.35	

32 16 13 13-0028 Concrete Band, Cast In Place *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0029	LF	6" x 6" Concrete Band	15.07	8.45
		Note: Excludes base course.		
		For Up To 20, Add	*9.77*	
		For >20 To 50, Add	*5.56*	
		For >50 To 100, Add	*2.11*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-3.54*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	LF	6" x 12" Straight Concrete Curb, Machine Formed	11.50
32 16 13 14-0002	LF	6" x 12" Curved Concrete Curb, Machine Formed	15.23
32 16 13 14-0003	LF	6" x 18" Straight Concrete Curb, Machine Formed	15.26
32 16 13 14-0004	LF	6" x 18" Curved Concrete Curb, Machine Formed	19.50

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	12.71	4.05
		For Curved Section, Add	*2.78*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.99	4.61
		For Curved Section, Add	*3.13*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	18.85	5.15
		For Curved Section, Add	*3.83*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	23.13	5.80
		For Curved Section, Add	*4.47*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	28.29	6.35
		For Curved Section, Add	*5.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	37.01	8.10
		For Curved Section, Add	*6.73*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	42.66	10.49
		For Curved Section, Add	*8.18*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	133.33	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Valley Gutter, 6" Thick	23.36	
		For Up To 20, Add	*11.36*	
		For >20 To 50, Add	*6.35*	
		For >50 To 100, Add	*2.51*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-4.34*	
32 16 13 19-0003	LF	2-1/2' Wide Valley Gutter, 6" Thick	28.60	
		For Up To 20, Add	*13.78*	
		For >20 To 50, Add	*7.69*	
		For >50 To 100, Add	*3.04*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000, Deduct	*-5.28*	
32 16 13 19-0004	LF	3' Wide Valley Gutter, 6" Thick	33.76	
		For Up To 20, Add	*16.14*	
		For >20 To 50, Add	*9.01*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.19*	
32 16 13 19-0005	LF	3-1/2' Wide Valley Gutter, 6" Thick	38.90	
		For Up To 20, Add	*18.49*	
		For >20 To 50, Add	*10.32*	
		For >50 To 100, Add	*4.09*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-7.10*	
32 16 13 19-0006	LF	4' Wide Valley Gutter, 6" Thick	44.06	
		For Up To 20, Add	*20.85*	
		For >20 To 50, Add	*11.63*	
		For >50 To 100, Add	*4.61*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-8.02*	
32 16 13 19-0007	LF	5' Wide Valley Gutter, 6" Thick	52.07	
		For Up To 20, Add	*23.96*	
		For >20 To 50, Add	*13.33*	
		For >50 To 100, Add	*5.31*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-9.27*	
32 16 13 19-0008	LF	6' Wide Valley Gutter, 6" Thick	59.71	
		For Up To 20, Add	*26.81*	
		For >20 To 50, Add	*14.89*	
		For >50 To 100, Add	*5.96*	
		For >500 To 1,000, Deduct	*-5.96*	
		For >1,000, Deduct	*-10.43*	
32 16 13 19-0009	SF	>6' Wide Valley Gutter, 6" Thick	9.95	
		For Up To 100, Add	*4.47*	
		For >100 To 250, Add	*2.48*	
		For >250 To 500, Add	*0.99*	
		For >2,500 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.74*	
32 16 13 19-0010	LF	2' Wide Valley Gutter, 7" Thick	25.60	
		For Up To 20, Add	*12.17*	
		For >20 To 50, Add	*6.79*	
		For >50 To 100, Add	*2.69*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000, Deduct	*-4.68*	
32 16 13 19-0011	LF	2-1/2' Wide Valley Gutter, 7" Thick	31.57	
		For Up To 20, Add	*14.91*	
		For >20 To 50, Add	*8.32*	
		For >50 To 100, Add	*3.30*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-5.74*	
32 16 13 19-0012	LF	3' Wide Valley Gutter, 7" Thick	37.05	
		For Up To 20, Add	*17.32*	
		For >20 To 50, Add	*9.65*	
		For >50 To 100, Add	*3.83*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000, Deduct	*-6.68*	
32 16 13 19-0013	LF	3-1/2' Wide Valley Gutter, 7" Thick	42.73	
		For Up To 20, Add	*19.85*	
		For >20 To 50, Add	*11.06*	
		For >50 To 100, Add	*4.40*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000, Deduct	*-7.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014	LF	4' Wide Valley Gutter, 7" Thick	48.40	
		For Up To 20, Add	*22.39*	
		For >20 To 50, Add	*12.46*	
		For >50 To 100, Add	*4.96*	
		For >500 To 1,000, Deduct	*-4.96*	
		For >1,000, Deduct	*-8.65*	
32 16 13 19-0015	LF	5' Wide Valley Gutter, 7" Thick	57.33	
		For Up To 20, Add	*25.76*	
		For >20 To 50, Add	*14.31*	
		For >50 To 100, Add	*5.73*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000, Deduct	*-10.02*	
32 16 13 19-0016	LF	6' Wide Valley Gutter, 7" Thick	65.89	
		For Up To 20, Add	*28.88*	
		For >20 To 50, Add	*16.01*	
		For >50 To 100, Add	*6.43*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-11.30*	
32 16 13 19-0017	SF	>6' Wide Valley Gutter, 7" Thick	10.98	
		For Up To 100, Add	*4.81*	
		For >100 To 250, Add	*2.67*	
		For >250 To 500, Add	*1.07*	
		For >2,500 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.88*	
32 16 13 19-0018	LF	2' Wide Valley Gutter, 8" Thick	25.88	
		For Up To 20, Add	*12.60*	
		For >20 To 50, Add	*7.04*	
		For >50 To 100, Add	*2.78*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-4.81*	
32 16 13 19-0019	LF	2-1/2' Wide Valley Gutter, 8" Thick	31.70	
		For Up To 20, Add	*15.29*	
		For >20 To 50, Add	*8.54*	
		For >50 To 100, Add	*3.38*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-5.86*	
32 16 13 19-0020	LF	3' Wide Valley Gutter, 8" Thick	37.40	
		For Up To 20, Add	*17.90*	
		For >20 To 50, Add	*9.99*	
		For >50 To 100, Add	*3.95*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-6.87*	
32 16 13 19-0021	LF	3-1/2' Wide Valley Gutter, 8" Thick	43.12	
		For Up To 20, Add	*20.52*	
		For >20 To 50, Add	*11.45*	
		For >50 To 100, Add	*4.54*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000, Deduct	*-7.88*	
32 16 13 19-0022	LF	4' Wide Valley Gutter, 8" Thick	48.83	
		For Up To 20, Add	*23.14*	
		For >20 To 50, Add	*12.91*	
		For >50 To 100, Add	*5.12*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-8.90*	
32 16 13 19-0023	LF	5' Wide Valley Gutter, 8" Thick	57.69	
32 16 13 19-0024	LF	6' Wide Valley Gutter, 8" Thick	66.16	
32 16 13 19-0025	SF	>6' Wide Valley Gutter, 8" Thick	11.03	
		For Up To 100, Add	*4.96*	
		For >100 To 250, Add	*2.76*	
		For >250 To 500, Add	*1.10*	
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.93*	

32 16 13 23 Precast Concrete Curbs And Gutters *(32 16 13)*

32 16 13 23-0001	LF	6" x 18" Precast Concrete Curb	36.90	7.82
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb, Radius	44.31	8.99
32 16 13 23-0003	LF	6" x 20" Precast Concrete Curb	39.33	7.82
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb, Radius	47.52	8.99
32 16 13 23-0005	LF	7" x 18" Precast Concrete Curb	40.44	7.82
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb, Radius	48.80	8.99
32 16 13 23-0007	LF	7" x 20" Precast Concrete Curb	43.19	7.82
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb, Radius	52.29	8.99

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.38	4.14
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.71	4.61
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.92	5.06

32 16 13 43 Stone Curbs *(32 16 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0001		Remove And Reset Stone And Precast Curbing *(32 16 13 43)* Note: Includes storage and cleaning.		
32 16 13 43-0002	LF	Removal And Reseting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	29.70	

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001		Cast In Place Concrete Sidewalk *(32 16 23)* Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	7.79	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*0.93*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.21*	
		For Welded Wire Reinforcement, Add	*0.57*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	8.51	
		For Up To 100, Add	*3.54*	
		For >100 To 500, Add	*0.99*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.27*	
		For Welded Wire Reinforcement, Add	*0.58*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	9.25	
		For Up To 100, Add	*3.77*	
		For >100 To 500, Add	*1.05*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.34*	
		For Welded Wire Reinforcement, Add	*0.60*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	10.74	
		For Up To 100, Add	*4.34*	
		For >100 To 500, Add	*1.20*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.53*	
		For Welded Wire Reinforcement, Add	*0.66*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	11.39	
		For Up To 100, Add	*4.54*	
		For >100 To 500, Add	*1.24*	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.58*	
		For Welded Wire Reinforcement, Add	*0.67*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.94	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	116.40	
32 16 23 00-0009		Bituminous Sidewalk *(32 16 23)* Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY	1" Bituminous Sidewalk	7.93	
		For Up To 100, Add	*2.90*	
		For >100 To 500, Add	*0.76*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.76*	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	10.00	
		For Up To 100, Add	*3.60*	
		For >100 To 500, Add	*0.94*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.94*	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	13.98	
		For Up To 100, Add	*4.86*	
		For >100 To 500, Add	*1.24*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-1.24*	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	17.48	
		For Up To 100, Add	*6.06*	
		For >100 To 500, Add	*1.55*	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.55*	
32 16 23 00-0014	SY	3" Bituminous Sidewalk	20.19	
		For Up To 100, Add	*6.88*	
		For >100 To 500, Add	*1.74*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.74*	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	23.40	
		For Up To 100, Add	*7.87*	
		For >100 To 500, Add	*1.98*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.98*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 43		**Asphalt Dike** *(32 16)*		
32 16 43 00-0001		Asphalt Dike *(32 16 43)*		
32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	5.73	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	7.90	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	7.90	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	11.36	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	13.48	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	2.92	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	8.22	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	12.68	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	5.73	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	2.92	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	12.68	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	8.22	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	4.30	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	59.07	5.65
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	65.95	5.65

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	46.22	17.00
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	53.74	17.00
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	54.94	17.00
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	57.40	17.00
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	53.74	17.00
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	67.33	17.00

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	26.43	5.65
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	31.11	5.65
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	32.99	5.65
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	35.80	5.65

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	8.14	1.36
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	10.78	1.36

32 17 13 33 Remove And Relocate Parking Bumpers *(32 17 13)*

32 17 13 33-0001	EA	Removal And Relocation Of Precast Concrete Wheel Stop	27.19	
32 17 13 33-0002	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	17.68	

32 17 16 Speed Bumps *(32 17)*

32 17 16 00-0001 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	31.53	1.44
32 17 16 00-0003	LF	3-1/2" High x 12" Wide, Asphalt Speed Bump Note: Excludes striping.	54.34	
32 17 16 00-0004	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.44	0.96
32 17 16 00-0005	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	37.69	0.96

32 17 16 00-0006 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0007	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	43.67	
32 17 16 00-0008	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	38.15	
32 17 16 00-0009	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	35.68	
32 17 16 00-0010	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	41.75	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0011	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	36.62	
32 17 16 00-0012	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	34.42	
32 17 16 00-0013	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	39.80	
32 17 16 00-0014	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	35.43	
32 17 16 00-0015	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	33.37	
32 17 16 00-0016		Asphalt Speed Table *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017	LF	Up to 36" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	28.99	
32 17 16 00-0018	LF	>36" To 48" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	34.24	
32 17 16 00-0019	LF	Up to 36" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	36.44	
32 17 16 00-0020	LF	>36" To 48" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	43.10	
32 17 16 00-0021	LF	Up to 36" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	44.35	
32 17 16 00-0022	LF	>36" To 48" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	49.62	
32 17 16 00-0023		Concrete Speed Table *(32 17 16)*		
32 17 16 00-0024	SF	Concrete Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	11.63	
32 17 23		**Pavement Markings** *(32 17)* See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13		**Painted Pavement Markings** *(32 17 23)*		
32 17 23 13-0001		Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)* Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002		Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0001)* Note: 15 mil thickness.		
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.23	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.03*	
		For Broken Line, Deduct	*-0.04*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.31	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.06*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.38	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.51	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.11*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.34	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.04*	
		For Double Broken Line, Deduct	*-0.08*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.51	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.11*	
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.04	
32 17 23 13-0010	EA	6" High, Letter/Number, Alkyd Reflective Pavement Striping	3.61	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.34*	
		For >200, Deduct	*-0.67*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0011	EA	12" High, Letter/Number, Alkyd Reflective Pavement Striping	6.01	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.51*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0012	EA	24" High, Letter/Number, Alkyd Reflective Pavement Striping	10.07	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0013	EA	36" High, Letter/Number, Alkyd Reflective Pavement Striping	19.74	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 13-0014	EA	48" High, Letter/Number, Alkyd Reflective Pavement Striping	22.65	
		For <10, Add	*2.83*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.89*	
		For >200, Deduct	*-3.77*	
32 17 23 13-0015	EA	72" High, Letter/Number, Alkyd Reflective Pavement Striping	40.47	
		For <10, Add	*5.03*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.36*	
		For >200, Deduct	*-6.71*	
32 17 23 13-0016	EA	96" High, Letter/Number, Alkyd Reflective Pavement Striping	54.17	
		For <10, Add	*6.76*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-9.01*	
32 17 23 13-0017	EA	120" High, Letter/Number, Alkyd Reflective Pavement Striping	76.17	
		For <10, Add	*8.37*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 200, Deduct	*-5.58*	
		For >200, Deduct	*-11.17*	
32 17 23 13-0018	SF	Letter/Number, Painted Reflective Pavement Marking	5.72	
32 17 23 13-0019	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	6.86	

32 17 23 13-0020 Pavement Marking (CALTRANS) *(32 17 23 13-0001)*

Note: Per LF of detail.

32 17 23 13-0021	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.20	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0022	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0023	LF	CALTRANS Detail 4 Centerline	0.49	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0024	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0025	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0026	LF	CALTRANS Detail 7 Centerline	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0027	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.20	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0028	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0029	LF	CALTRANS Detail 10 Lanelines	0.49	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0030	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0031	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0032	LF	CALTRANS Detail 13 Lanelines	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0033	LF	CALTRANS Detail 14 Lanelines	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0034	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0035	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0036	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.58	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
32 17 23 13-0037	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	1.42	
		For Up To 1 Mile, Add	*0.28*	
		For >5 Miles, Deduct	*-0.21*	
32 17 23 13-0038	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0039	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0040	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	1.20	
		For Up To 1 Mile, Add	*0.24*	
		For >5 Miles, Deduct	*-0.18*	
32 17 23 13-0041	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.29	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.04*	
		For Double Broken Line, Deduct	*-0.08*	
32 17 23 13-0042	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.62	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
32 17 23 13-0043	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	1.69	
		For Up To 1 Mile, Add	*0.34*	
		For >5 Miles, Deduct	*-0.25*	
32 17 23 13-0044	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0045	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.32	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0046	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.40	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
32 17 23 13-0047	LF	CALTRANS Detail 26 Left Edgelines	0.08	
		For Up To 1 Mile, Add	*0.02*	
		For >5 Miles, Deduct	*-0.01*	
32 17 23 13-0048	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.38	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
32 17 23 13-0049	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0050	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0051	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.60	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.17*	
32 17 23 13-0052	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	0.92	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.14*	
32 17 23 13-0053	LF	CALTRANS Detail 30 Median Islands	3.38	
		For Up To 1 Mile, Add	*0.68*	
		For >5 Miles, Deduct	*-0.51*	
32 17 23 13-0054	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.51	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.11*	
32 17 23 13-0055	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.92	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.14*	
32 17 23 13-0056	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	2.31	
		For Up To 1 Mile, Add	*0.46*	
		For >5 Miles, Deduct	*-0.35*	
32 17 23 13-0057	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0058	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0059	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.58	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0060	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0061	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.09	
		For Up To 1 Mile, Add	*0.22*	
		For >5 Miles, Deduct	*-0.16*	
32 17 23 13-0062	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	0.73	
		For Up To 1 Mile, Add	*0.15*	
		For >5 Miles, Deduct	*-0.11*	
32 17 23 13-0063	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.78	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0064	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	0.68	
		For Up To 1 Mile, Add	*0.14*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0065	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	1.13	
		For Up To 1 Mile, Add	*0.23*	
		For >5 Miles, Deduct	*-0.17*	
32 17 23 13-0066	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.68	
		For Up To 1 Mile, Add	*0.14*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0067	LF	CALTRANS Detail 37C Lane Drop At Intersections	1.13	
		For Up To 1 Mile, Add	*0.23*	
		For >5 Miles, Deduct	*-0.17*	
32 17 23 13-0068	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.66	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0069	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0070	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.82	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0071	LF	CALTRANS Detail 38C Channelizing Line	1.69	
		For Up To 1 Mile, Add	*0.34*	
		For >5 Miles, Deduct	*-0.25*	
32 17 23 13-0072	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.30	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0073	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0074	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0075	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	0.82	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0076	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0077	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	0.82	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0078	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	91.17	
		For <10, Add	*12.24*	
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 200, Deduct	*-8.16*	
		For >200, Deduct	*-16.33*	
32 17 23 13-0079	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	159.90	
		For <10, Add	*21.43*	
		For >50 To 100, Deduct	*-10.71*	
		For >100 To 200, Deduct	*-14.29*	
		For >200, Deduct	*-28.57*	
32 17 23 13-0080	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	200.72	
		For <10, Add	*26.94*	
		For >50 To 100, Deduct	*-13.47*	
		For >100 To 200, Deduct	*-17.96*	
		For >200, Deduct	*-35.92*	
32 17 23 13-0081	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	291.91	
		For <10, Add	*39.18*	
		For >50 To 100, Deduct	*-19.59*	
		For >100 To 200, Deduct	*-26.12*	
		For >200, Deduct	*-52.25*	
32 17 23 13-0082	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	383.08	
		For <10, Add	*51.43*	
		For >50 To 100, Deduct	*-25.71*	
		For >100 To 200, Deduct	*-34.29*	
		For >200, Deduct	*-68.57*	
32 17 23 13-0083	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	269.45	
		For <10, Add	*36.12*	
		For >50 To 100, Deduct	*-18.06*	
		For >100 To 200, Deduct	*-24.08*	
		For >200, Deduct	*-48.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0084	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	470.17	
		For <10, Add	*63.06*	
		For >50 To 100, Deduct	*-31.53*	
		For >100 To 200, Deduct	*-42.04*	
		For >200, Deduct	*-84.08*	
32 17 23 13-0085	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	95.95	
		For <10, Add	*12.86*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 200, Deduct	*-8.57*	
		For >200, Deduct	*-17.14*	
32 17 23 13-0086	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	210.26	
		For <10, Add	*28.16*	
		For >50 To 100, Deduct	*-14.08*	
		For >100 To 200, Deduct	*-18.78*	
		For >200, Deduct	*-37.55*	
32 17 23 13-0087	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	269.45	
		For <10, Add	*36.12*	
		For >50 To 100, Deduct	*-18.06*	
		For >100 To 200, Deduct	*-24.08*	
		For >200, Deduct	*-48.16*	
32 17 23 13-0088	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	173.63	
		For <10, Add	*23.27*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-15.51*	
		For >200, Deduct	*-31.02*	
32 17 23 13-0089	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	228.63	
		For <10, Add	*30.61*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 200, Deduct	*-20.41*	
		For >200, Deduct	*-40.82*	
32 17 23 13-0090	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	45.59	
		For <10, Add	*6.12*	
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-4.08*	
		For >200, Deduct	*-8.16*	
32 17 23 13-0091	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	435.48	
		For <10, Add	*58.16*	
		For >50 To 100, Deduct	*-29.08*	
		For >100 To 200, Deduct	*-38.78*	
		For >200, Deduct	*-77.55*	
32 17 23 13-0092	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	5.66	
32 17 23 13-0093	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	40.81	
		For <10, Add	*4.41*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 200, Deduct	*-2.94*	
		For >200, Deduct	*-5.88*	
32 17 23 13-0094	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	43.21	
		For <10, Add	*4.65*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.10*	
		For >200, Deduct	*-6.20*	
32 17 23 13-0095	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	72.80	
		For <10, Add	*9.80*	
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 200, Deduct	*-6.53*	
		For >200, Deduct	*-13.06*	
32 17 23 13-0096	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	147.92	
		For <10, Add	*19.84*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 200, Deduct	*-13.22*	
		For >200, Deduct	*-26.45*	
32 17 23 13-0097	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	32.33	
		For <10, Add	*4.65*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.10*	
		For >200, Deduct	*-6.20*	
32 17 23 13-0098	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	5.74	
32 17 23 13-0099	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	6.39	

32 17 23 13-0100 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0101	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.40	
		For 20 Mil Thickness, Add	*0.11*	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0102	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.56	
		For 20 Mil Thickness, Add	*0.16*	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.25*	
32 17 23 13-0103	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.68	
		For 20 Mil Thickness, Add	*0.19*	
		For Up To 1 Mile, Add	*0.14*	
		For >5 Miles, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.29*	
32 17 23 13-0104	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.01	
		For 20 Mil Thickness, Add	*0.29*	
		For Up To 1 Mile, Add	*0.20*	
		For >5 Miles, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.48*	
32 17 23 13-0105	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.61	
		For 20 Mil Thickness, Add	*0.18*	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.16*	
		For Double Broken Line, Deduct	*-0.32*	
32 17 23 13-0106	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.88	
		For 20 Mil Thickness, Add	*0.27*	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.24*	
		For Double Broken Line, Deduct	*-0.49*	
32 17 23 13-0107	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.06	
		For 20 Mil Thickness, Add	*0.65*	
32 17 23 13-0108	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.81	
		For 20 Mil Thickness, Add	*0.34*	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.34*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0109	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	6.73	
		For 20 Mil Thickness, Add	*0.83*	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.51*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0110	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	11.34	
		For 20 Mil Thickness, Add	*1.44*	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0111	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	21.97	
		For 20 Mil Thickness, Add	*2.64*	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 13-0112	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	25.55	
		For 20 Mil Thickness, Add	*3.26*	
		For <10, Add	*2.83*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.89*	
		For >200, Deduct	*-3.77*	
32 17 23 13-0113	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	45.77	
		For 20 Mil Thickness, Add	*5.91*	
		For <10, Add	*5.03*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.36*	
		For >200, Deduct	*-6.71*	
32 17 23 13-0114	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	61.14	
		For 20 Mil Thickness, Add	*7.82*	
		For <10, Add	*6.76*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-9.01*	
32 17 23 13-0115	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	91.72	
		For 20 Mil Thickness, Add	*15.01*	
		For <10, Add	*8.37*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 200, Deduct	*-5.58*	
		For >200, Deduct	*-11.17*	
32 17 23 13-0116	SF	Letter/Number, Epoxy Reflective Pavement Marking	6.22	
		For 20 Mil Thickness, Add	*0.66*	
32 17 23 13-0117	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	7.93	
		For 20 Mil Thickness, Add	*0.76*	

32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0119		Painted Pavement Marking For Parking Areas *(32 17 23 13-0118)*		
32 17 23 13-0120	LF	Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.93	
32 17 23 13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas	1.01	
32 17 23 13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.07	
32 17 23 13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.19	
32 17 23 13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas	5.05	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.51	
		For Up To 10, Add	*0.49*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.65*	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	5.81	
		For Up To 10, Add	*0.74*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 200, Deduct	*-0.49*	
		For >200, Deduct	*-0.98*	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	9.77	
		For Up To 10, Add	*1.23*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 200, Deduct	*-0.82*	
		For >200, Deduct	*-1.63*	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	18.32	
		For Up To 10, Add	*2.33*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.55*	
		For >200, Deduct	*-3.10*	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	24.46	
		For Up To 10, Add	*3.18*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.12*	
		For >200, Deduct	*-4.24*	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	29.78	
		For Up To 10, Add	*3.92*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.22*	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	39.33	
		For Up To 10, Add	*4.90*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-6.53*	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas	67.22	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas	75.45	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	103.87	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	105.77	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	135.27	
		Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	28.57	
		Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
		For Blue Background With White Symbol, Add	*19.42*	
		For Blue Background With White Symbol And Border, Add	*24.28*	
32 17 23 13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	40.08	
		Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
		For Blue Background With White Symbol, Add	*37.86*	
		For Blue Background With White Symbol And Border, Add	*47.32*	
32 17 23 13-0139		Painted Curbs *(32 17 23 13)*		
		Note: All colors.		
32 17 23 13-0140	LF	Reflective Painted Curb	2.18	
32 17 23 13-0141	LF	Reflective Painted Curb And Gutter	3.97	
32 17 23 13-0142	LF	Painted Curb	1.76	
32 17 23 13-0143	LF	Painted Curb And Gutter	3.50	
32 17 23 13-0144		Markings For Outdoor Play Areas, Courts *(32 17 23 13)*		
32 17 23 13-0145	LF	2" Wide Marking For Outdoor Play Areas	0.70	
32 17 23 13-0146	LF	3" Wide Marking For Outdoor Play Areas	0.79	
32 17 23 13-0147	LF	4" Wide Marking For Outdoor Play Areas	0.89	
32 17 23 13-0148	LF	6" Wide Marking For Outdoor Play Areas	1.04	
32 17 23 13-0149	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	274.41	
32 17 23 19		**Pedestrian Traffic Coating** *(32 17 23)*		
32 17 23 19-0001		Pedestrian Traffic Coating *(32 17 23 19)*		
		Note: Gaco Western		
32 17 23 19-0002	SF	GACOCRETE A-17, Acrylic Elastomer Coating	2.30	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 19-0003	SF	Silicone Enhanced A-30, Acrylic Elastomer Coating	2.05	
		For >2,000, Deduct	*-0.18*	
32 17 23 19-0004	SF	Quick Set A-31, Acrylic Elastomer Coating	1.95	
32 17 23 19-0005	SF	A-32, Acrylic Elastomer Coating	2.11	
		For >2,000, Deduct	*-0.20*	
32 17 23 19-0006	SF	Liquid Seam Tape A-3611, Acrylic Elastomer Coating	2.17	
		For >2,000, Deduct	*-0.22*	
32 17 23 19-0007	SF	A-38, Acrylic Elastomer Coating	2.15	
32 17 23 19-0008	SF	Acrylic Primer A-4121	1.67	
32 17 23 19-0009	SF	Two Component Epoxy Emulsion Primer Filler E-5320	2.58	
32 17 23 19-0010	SF	Two Component Epoxy Rust Inhibiting Primer E-5388	2.86	
32 17 23 19-0011	SF	Two Component 100% Solids Primer E-5481	3.05	
32 17 23 19-0012	SF	Hypalon Roof Coating H-25	2.65	
32 17 23 19-0013	SF	Neoprene Adhesive N-1207	2.20	
32 17 23 19-0014	SF	GACOSIL S-10 Silicone	2.36	
		For >2,000, Deduct	*-0.28*	
32 17 23 19-0015	SF	GACOSIL S-20 Silicone	2.41	
		For >2,000, Deduct	*-0.30*	
32 17 23 19-0016	SF	Urethane Primer/Sealer U-5677	1.75	
32 17 23 19-0017	SF	Single Component Polyurethane Coating, Ureshield Aluminum U-6006	2.24	
		For >2,000, Deduct	*-0.24*	
32 17 23 19-0018	SF	Two Component Polyurethane Coating U-62	3.28	
		For >2,000, Deduct	*-0.42*	
32 17 23 19-0019	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	2.98	
32 17 23 19-0020	SF	Two Component Polyurethane Coating U-66	3.25	
32 17 23 19-0021	SF	Two Component Polyurethane Coating U-8730	3.08	
32 17 23 19-0022	SF	Two Component Polyurethane Coating U-8782	3.05	
32 17 23 19-0023	SF	Two Component Polyurethane Aliphatic Coating UA-60	3.58	
32 17 23 19-0024	SF	Two Component Polyurethane Aliphatic Coating UA-7090	4.24	
32 17 23 19-0025	SF	Two Component Polyurethane Base Coating UB-64	2.95	
32 17 23 19-0026	SF	Two Component Polyurethane Base Coating UB-8380	2.91	
32 17 23 19-0027	SF	Etching Detergent D-09	1.77	
32 17 23 19-0028	LB	GacoShell Granules Additive To Coating	1.32	
32 17 23 19-0029	LB	Quartz Granules Additive To Coating	1.20	
32 17 23 19-0030	LF	4" Polyester Reinforcing Tape, 66-B	0.15	
32 17 23 19-0031	LF	6" Polyester Reinforcing Tape, 66-B	0.18	
32 17 23 19-0032	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.22	
32 17 23 19-0033	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.29	
32 17 23 19-0034	LF	2" Metal Roof Seam Sealing Tape, 66-MR	0.57	
32 17 23 19-0035	LF	3" Metal Roof Seam Sealing Tape, 66-MR	0.87	
32 17 23 19-0036	LF	4" Metal Roof Seam Sealing Tape, 66-MR	1.07	
32 17 23 19-0037	LF	6" Metal Roof Seam Sealing Tape, 66-MR	1.52	
32 17 23 19-0038	GAL	Polyurethane Coating Thinner T-5106	29.98	
32 17 23 19-0039	GAL	Compliant Thinner T-5110	62.45	
32 17 23 19-0040	GAL	Regular Thinner T-5112	17.49	
32 17 23 19-0041	GAL	Polyurethane Coating Thinner T-5116	22.48	
32 17 23 19-0042	GAL	Polyurethane Troweling Thinner T-5118	27.48	
32 17 23 19-0043	GAL	Compliant Thinner T-5125	29.98	
32 17 23 19-0044	GAL	Fast Polyurethane Coating Thinner T-5130	22.48	
32 17 23 19-0045	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	22.48	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	3.74	2.06
		For >100, Deduct	*-0.37*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	3.93	2.06
		For >100, Deduct	*-0.39*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	4.59	2.06
		For >100, Deduct	*-0.46*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	3.49	2.06
		For >100, Deduct	*-0.35*	

32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	52.33	24.37
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	52.50	24.37
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	14.59	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	18.82	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0001		Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)* Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)* Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping	0.93	
		For Up To 1 Mile, Add	*0.19*	
		For >5 Miles, Deduct	*-0.14*	
		For 60 mils Thick, Deduct	*-0.12*	
		For 125 mils Thick, Add	*0.16*	
		For Broken Line, Deduct	*-0.52*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.33	
		For Up To 1 Mile, Add	*0.27*	
		For >5 Miles, Deduct	*-0.20*	
		For 60 mils Thick, Deduct	*-0.18*	
		For 125 mils Thick, Add	*0.23*	
		For Broken Line, Deduct	*-0.77*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.76	
		For Up To 1 Mile, Add	*0.35*	
		For >5 Miles, Deduct	*-0.26*	
		For 60 mils Thick, Deduct	*-0.24*	
		For 125 mils Thick, Add	*0.31*	
		For Broken Line, Deduct	*-1.03*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.56	
		For Up To 1 Mile, Add	*0.51*	
		For >5 Miles, Deduct	*-0.38*	
		For 60 mils Thick, Deduct	*-0.36*	
		For 125 mils Thick, Add	*0.46*	
		For Broken Line, Deduct	*-1.55*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.74	
		For Up To 1 Mile, Add	*0.35*	
		For >5 Miles, Deduct	*-0.26*	
		For 60 mils Thick, Deduct	*-0.24*	
		For 125 mils Thick, Add	*0.31*	
		For Broken Line On One Side, Deduct	*-0.51*	
		For Double Broken Line, Deduct	*-1.03*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.56	
		For Up To 1 Mile, Add	*0.51*	
		For >5 Miles, Deduct	*-0.38*	
		For 60 mils Thick, Deduct	*-0.36*	
		For 125 mils Thick, Add	*0.46*	
		For Broken Line On One Side, Deduct	*-0.77*	
		For Double Broken Line, Deduct	*-1.55*	
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.95	
		For 60 mils Thick, Deduct	*-0.36*	
		For 125 mils Thick, Add	*0.46*	
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.70	
		For Up To 10, Add	*0.55*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 200, Deduct	*-0.37*	
		For >200, Deduct	*-0.74*	
		For 60 mils Thick, Deduct	*-0.18*	
		For 125 mils Thick, Add	*0.23*	
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	9.25	
		For Up To 10, Add	*0.83*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 200, Deduct	*-0.56*	
		For >200, Deduct	*-1.11*	
		For 60 mils Thick, Deduct	*-0.65*	
		For 125 mils Thick, Add	*0.83*	
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	15.70	
		For Up To 10, Add	*1.38*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.92*	
		For >200, Deduct	*-1.85*	
		For 60 mils Thick, Deduct	*-1.13*	
		For 125 mils Thick, Add	*1.46*	
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	29.91	
		For Up To 10, Add	*2.78*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.85*	
		For >200, Deduct	*-3.71*	
		For 60 mils Thick, Deduct	*-1.99*	
		For 125 mils Thick, Add	*2.56*	
32 17 23 33-0014	EA	48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	35.54	
		For Up To 10, Add	*3.11*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 200, Deduct	*-2.07*	
		For >200, Deduct	*-4.15*	
		For 60 mils Thick, Deduct	*-2.59*	
		For 125 mils Thick, Add	*3.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015	EA	72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	63.93	
		For Up To 10, Add	*5.54*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 200, Deduct	*-3.69*	
		For >200, Deduct	*-7.38*	
		For 60 mils Thick, Deduct	*-4.73*	
		For 125 mils Thick, Add	*6.08*	
32 17 23 33-0016	EA	96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	85.12	
		For Up To 10, Add	*7.43*	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 200, Deduct	*-4.96*	
		For >200, Deduct	*-9.91*	
		For 60 mils Thick, Deduct	*-6.22*	
		For 125 mils Thick, Add	*8.00*	
32 17 23 33-0017	EA	120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	140.77	
		For Up To 10, Add	*9.21*	
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 200, Deduct	*-6.14*	
		For >200, Deduct	*-12.28*	
		For 60 mils Thick, Deduct	*-13.89*	
		For 125 mils Thick, Add	*17.86*	
32 17 23 33-0018	SF	Letter/Number, Thermoplastic Reflective Pavement Marking	8.11	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
32 17 23 33-0019	SY	Cross Hatch, Thermoplastic Reflective Pavement Marking	55.17	
		For 60 mils Thick, Deduct	*-3.23*	
		For 125 mils Thick, Add	*4.15*	
32 17 23 33-0020	EA	Handicap Symbol, Thermoplastic Reflective Pavement Marking	214.74	
		For 60 mils Thick, Deduct	*-10.31*	
		For 125 mils Thick, Add	*13.25*	
32 17 23 33-0021	SY	Solid Area, Thermoplastic Reflective Pavement Marking	68.08	
		For 60 mils Thick, Deduct	*-3.23*	
		For 125 mils Thick, Add	*4.15*	
32 17 23 33-0022	EA	Railroad Symbol, Thermoplastic Reflective Pavement Marking	636.41	
		For 60 mils Thick, Deduct	*-31.37*	
		For 125 mils Thick, Add	*40.33*	
32 17 23 33-0023	EA	Bike Lane Symbol, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	113.77	
		For 60 mils Thick, Deduct	*-14.20*	
		For 125 mils Thick, Add	*18.25*	
32 17 23 33-0024	EA	Diamond Symbol, Thermoplastic Reflective Pavement Marking	102.70	
		For 60 mils Thick, Deduct	*-4.93*	
		For 125 mils Thick, Add	*6.34*	
32 17 23 33-0025	SF	Symbols, Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.33	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
32 17 23 33-0026	EA	10' Arrow, Type I, Thermoplastic Reflective Pavement Marking	130.71	
		For 60 mils Thick, Deduct	*-6.27*	
		For 125 mils Thick, Add	*8.07*	
32 17 23 33-0027	EA	18' Arrow, Type I, Thermoplastic Reflective Pavement Marking	233.41	
		For 60 mils Thick, Deduct	*-11.20*	
		For 125 mils Thick, Add	*14.40*	
32 17 23 33-0028	EA	24' Arrow, Type I, Thermoplastic Reflective Pavement Marking	289.43	
		For 60 mils Thick, Deduct	*-13.89*	
		For 125 mils Thick, Add	*17.86*	
32 17 23 33-0029	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking	420.14	
		For 60 mils Thick, Deduct	*-20.17*	
		For 125 mils Thick, Add	*25.93*	
32 17 23 33-0030	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking	550.86	
		For 60 mils Thick, Deduct	*-26.44*	
		For 125 mils Thick, Add	*34.00*	
32 17 23 33-0031	EA	24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking	392.13	
		For 60 mils Thick, Deduct	*-18.82*	
		For 125 mils Thick, Add	*24.20*	
32 17 23 33-0032	EA	24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking	681.56	
		For 60 mils Thick, Deduct	*-32.71*	
		For 125 mils Thick, Add	*42.06*	
32 17 23 33-0033	EA	8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking	140.04	
		For 60 mils Thick, Deduct	*-6.72*	
		For 125 mils Thick, Add	*8.64*	
32 17 23 33-0034	EA	24' Arrow, Type V, Thermoplastic Reflective Pavement Marking	308.10	
		For 60 mils Thick, Deduct	*-14.79*	
		For 125 mils Thick, Add	*19.01*	
32 17 23 33-0035	EA	18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking	392.13	
		For 60 mils Thick, Deduct	*-18.82*	
		For 125 mils Thick, Add	*24.20*	
32 17 23 33-0036	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking	252.09	
		For 60 mils Thick, Deduct	*-12.10*	
		For 125 mils Thick, Add	*15.56*	
32 17 23 33-0037	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking	336.11	
		For 60 mils Thick, Deduct	*-16.13*	
		For 125 mils Thick, Add	*20.74*	
32 17 23 33-0038	EA	5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking	65.36	
		For 60 mils Thick, Deduct	*-3.14*	
		For 125 mils Thick, Add	*4.03*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0039		Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*		
32 17 23 33-0040	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.41	
		For 60 mils Thick, Deduct	*-0.12*	
		For 125 mils Thick, Add	*0.16*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.00	
		For 60 mils Thick, Deduct	*-0.18*	
		For 125 mils Thick, Add	*0.23*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.66	
		For 60 mils Thick, Deduct	*-0.24*	
		For 125 mils Thick, Add	*0.31*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.23	
		For 60 mils Thick, Deduct	*-0.36*	
		For 125 mils Thick, Add	*0.46*	
32 17 23 33-0044	LF	Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	9.28	
		For 60 mils Thick, Deduct	*-0.72*	
		For 125 mils Thick, Add	*0.93*	
32 17 23 33-0045		Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*		
		Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0046	LF	Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	1.93	
		For Up To 1 Mile, Add	*0.39*	
		For >5 Miles, Deduct	*-0.29*	
32 17 23 33-0047	LF	Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	2.85	
		For Up To 1 Mile, Add	*0.57*	
		For >5 Miles, Deduct	*-0.43*	
32 17 23 33-0048	LF	Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	3.80	
		For Up To 1 Mile, Add	*0.76*	
		For >5 Miles, Deduct	*-0.57*	
32 17 23 33-0049	LF	Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.61	
		For Up To 1 Mile, Add	*1.12*	
		For >5 Miles, Deduct	*-0.84*	
32 17 23 33-0050	SF	Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape	16.63	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0051	EA	6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	24.53	
		For <10, Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.34*	
32 17 23 33-0052	EA	12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	42.44	
		For <10, Add	*1.27*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.85*	
		For >200, Deduct	*-1.70*	
32 17 23 33-0053	EA	24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	73.50	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 33-0054	EA	36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	108.55	
		For <10, Add	*5.04*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.36*	
		For >200, Deduct	*-6.73*	
32 17 23 33-0055	EA	48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	126.79	
		For <10, Add	*5.66*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 200, Deduct	*-3.77*	
		For >200, Deduct	*-7.54*	
32 17 23 33-0056	EA	72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	167.22	
		For <10, Add	*10.07*	
		For >50 To 100, Deduct	*-5.03*	
		For >100 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-13.42*	
32 17 23 33-0057	EA	96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	214.41	
		For <10, Add	*13.52*	
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 200, Deduct	*-9.01*	
		For >200, Deduct	*-18.02*	
32 17 23 33-0058	EA	120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	268.42	
		For <10, Add	*16.75*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 200, Deduct	*-11.17*	
		For >200, Deduct	*-22.34*	
32 17 23 33-0059	SF	Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	17.28	
32 17 23 33-0060	SF	Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape	18.50	
		Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0061		Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*		
		Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0062	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	145.94	
		Note: Approximate overall dimensions: 4' width x 8' height.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0063	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	384.10	
32 17 23 33-0064	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	90.10	
32 17 23 33-0065	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	81.90	
32 17 23 33-0066	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	136.79	
32 17 23 33-0067	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	90.51	
32 17 23 33-0068	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	149.25	
32 17 23 33-0069	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	237.90	
32 17 23 33-0070	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	344.67	
32 17 23 33-0071	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	144.80	
32 17 23 33-0072	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	157.26	
32 17 23 33-0073	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	265.53	
32 17 23 33-0074	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	246.89	
32 17 23 33-0075	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	249.33	
32 17 23 33-0076	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	325.60	

32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas *(32 17 23 33-0077)*
Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0079	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	55.62	
32 17 23 33-0080	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	175.71	
32 17 23 33-0081	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	106.17	
32 17 23 33-0082	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	125.42	
32 17 23 33-0083	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	131.10	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*
Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	58.91	8.16
32 17 26 00-0003	SF	Cast In Place VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	48.30	8.16

32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)*
Note: Pre-molded tactile dome sheet. All colors.

32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	52.94	8.16
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	45.60	8.16

32 18 Athletic And Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile	13.06	1.85
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*1.50*	
		For Mechanically Fastened, Add	*1.51*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile	13.40	1.97
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*1.50*	
		For Mechanically Fastened, Add	*1.58*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile	14.10	2.20
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*1.50*	
		For Mechanically Fastened, Add	*1.72*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile	14.80	2.44
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*1.50*	
		For Mechanically Fastened, Add	*1.86*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile	16.46	2.67
		For Manufacturer's Standard Colors, Add	*0.51*	
		For Interlocking Tiles, Add	*1.69*	
		For Mechanically Fastened, Add	*2.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile	17.23	2.92
		For Manufacturer's Standard Colors, Add	*0.51*	
		For Interlocking Tiles, Add	*1.69*	
		For Mechanically Fastened, Add	*2.15*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile	18.03	3.19
		For Manufacturer's Standard Colors, Add	*0.51*	
		For Interlocking Tiles, Add	*1.69*	
		For Mechanically Fastened, Add	*2.31*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile	19.74	3.41
		For Manufacturer's Standard Colors, Add	*0.28*	
		For Interlocking Tiles, Add	*1.89*	
		For Mechanically Fastened, Add	*2.46*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile	20.44	3.69
		For Manufacturer's Standard Colors, Add	*0.28*	
		For Interlocking Tiles, Add	*1.89*	
		For Mechanically Fastened, Add	*2.60*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile	21.20	3.89
		For Manufacturer's Standard Colors, Add	*0.28*	
		For Interlocking Tiles, Add	*1.89*	
		For Mechanically Fastened, Add	*2.75*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile	24.28	4.39
		For Manufacturer's Standard Colors, Add	*0.28*	
		For Interlocking Tiles, Add	*2.21*	
		For Mechanically Fastened, Add	*3.04*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Surface	1.22	0.28
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Surface	1.60	0.35
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Surface	2.01	0.42
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Surface	2.85	0.63
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Surface	2.41	0.28
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Surface	2.98	0.35
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Surface	4.71	0.42
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Surface	5.80	0.63
32 18 16 13-0022	SF	8" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	9.61	1.04
32 18 16 13-0023	SF	12" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	12.17	1.39

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	11.52	2.13
		For Up To 2,000, Add	*2.73*	
		For >2,000 To 3,000, Add	*1.91*	
		For >3,000 To 4,000, Add	*1.29*	
		For >4,000 To 5,000, Add	*0.82*	
		For >5,000 To 7,000, Add	*0.34*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026	SF	5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	11.88	2.36
		For Up To 2,000, Add	*2.81*	
		For >2,000 To 3,000, Add	*1.97*	
		For >3,000 To 4,000, Add	*1.33*	
		For >4,000 To 5,000, Add	*0.85*	
		For >5,000 To 7,000, Add	*0.35*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0027	SF	6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	12.82	2.70
		For Up To 2,000, Add	*3.03*	
		For >2,000 To 3,000, Add	*2.12*	
		For >3,000 To 4,000, Add	*1.44*	
		For >4,000 To 5,000, Add	*0.92*	
		For >5,000 To 7,000, Add	*0.38*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0028	SF	7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	13.85	2.87
		For Up To 2,000, Add	*3.28*	
		For >2,000 To 3,000, Add	*2.30*	
		For >3,000 To 4,000, Add	*1.55*	
		For >4,000 To 5,000, Add	*0.99*	
		For >5,000 To 7,000, Add	*0.41*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0029	SF	8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.88	3.01
		For Up To 2,000, Add	*3.52*	
		For >2,000 To 3,000, Add	*2.47*	
		For >3,000 To 4,000, Add	*1.67*	
		For >4,000 To 5,000, Add	*1.06*	
		For >5,000 To 7,000, Add	*0.44*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0030	SF	9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	15.75	3.18
		For Up To 2,000, Add	*3.73*	
		For >2,000 To 3,000, Add	*2.61*	
		For >3,000 To 4,000, Add	*1.77*	
		For >4,000 To 5,000, Add	*1.13*	
		For >5,000 To 7,000, Add	*0.46*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0031	SF	10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	16.79	3.36
		For Up To 2,000, Add	*3.97*	
		For >2,000 To 3,000, Add	*2.78*	
		For >3,000 To 4,000, Add	*1.88*	
		For >4,000 To 5,000, Add	*1.20*	
		For >5,000 To 7,000, Add	*0.49*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0032	SF	12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	18.82	3.77
		For Up To 2,000, Add	*4.45*	
		For >2,000 To 3,000, Add	*3.12*	
		For >3,000 To 4,000, Add	*2.11*	
		For >4,000 To 5,000, Add	*1.34*	
		For >5,000 To 7,000, Add	*0.55*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0033	SF	Top Only (1/2") Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	7.52	
		For Up To 2,000, Add	*2.73*	
		For >2,000 To 3,000, Add	*1.75*	
		For >3,000 To 4,000, Add	*1.06*	
		For >4,000 To 5,000, Add	*0.64*	
		For >5,000 To 7,000, Add	*0.29*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.34*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.31*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,091.98	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	4.26	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	15,043.68	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	12,262.02	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	3,689.96	
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	1,362.45	
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per endzone.	1,305.68	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	11,353.72	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	16,462.89	
32 18 23 29-0013		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*		
32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.85	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	15,327.61	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	12,716.24	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	3,973.83	
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	1,475.99	
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per endzone.	1,362.45	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	11,921.48	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	17,286.14	
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.97	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	15,611.46	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,738.08	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	4,257.67	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	1,589.53	
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per endzone.	1,419.22	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	12,489.17	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	18,109.29	
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.78	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,179.05	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,257.65	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	4,825.33	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	1,816.60	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per endzone.	1,532.75	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	13,624.46	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	19,755.47	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	6.03	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,462.89	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	19,187.79	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	5,109.17	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	1,930.13	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per endzone.	1,589.52	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	14,192.15	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	20,578.62	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	6.05	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	16,746.74	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	19,301.32	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	5,393.02	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	2,043.67	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	1,646.29	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	14,759.84	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	21,401.76	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	6.20	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	17,030.58	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	20,550.23	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	5,676.86	
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	2,270.74	
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	1,703.06	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	15,327.52	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	22,224.91	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	4.59	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	14,476.08	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	10,672.56	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	3,122.29	
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	1,135.38	
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,192.15	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	10,218.41	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	14,816.69	
32 18 23 29-0078		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	4.07	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	14,759.84	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	11,353.72	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	3,406.12	
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	1,248.91	
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	1,248.91	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	10,786.03	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	15,639.75	
32 18 23 29-0087		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	9.55	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	8.39	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	28,011.60	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	33,278.74	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	8,140.12	
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	3,112.40	
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	2,310.24	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	20,792.12	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	30,525.46	
32 18 23 29-0097		Synthetic Turf (G9 Turf) *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	5.96	
		For >35,000, Deduct	*-0.55*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	5.90	
		For >35,000, Deduct	*-0.54*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	6.15	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	38,722.98	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	16,779.96	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	16,779.96	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	16,779.96	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	16,779.96	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	1,936.15	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.81	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	4.73	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.35	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	0.68	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	1.12	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	1,290.77	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	12,907.66	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.42	
		For >10,000 To 30,000, Deduct	*-0.17*	
		For >30,000 To 60,000, Deduct	*-0.29*	
		For >60,000, Deduct	*-0.32*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.89	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	3.22	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on roof tops.	2.64	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.62	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,572.40	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf. Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	7.07	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	2.83	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.99	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	27.20	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	16.00	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) *(32 18 23 39)*

Note: Excludes asphalt base. Includes striping.

32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	40.48	5.31
		For Up To 4,000, Add	*14.17*	
		For >5,500, Deduct	*-4.45*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	54.33	5.31
		For Up To 4,000, Add	*19.02*	
		For >5,500, Deduct	*-5.98*	
		For Custom Color Upgrade, Add	*5.16*	
		For Aliphatic Top Coating, Add	*9.78*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	91.30	5.31
		For Up To 4,000, Add	*31.96*	
		For >5,500, Deduct	*-5.48*	
		For Custom Color Upgrade, Add	*7.03*	
		For Aliphatic Top Coating, Add	*13.06*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000)	117.93	5.31
		For Up To 4,000, Add	*41.28*	
		For >5,500, Deduct	*-7.08*	
		For Custom Color Upgrade, Add	*9.20*	
		For Aliphatic Top Coating, Add	*13.44*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	36.87	
		For Up To 4,000, Add	*12.90*	
		For >5,500, Deduct	*-4.06*	
32 18 23 39-0007	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator)	41.50	
		For Up To 4,000, Add	*14.53*	
		For >5,500, Deduct	*-6.02*	
32 18 23 39-0008	SY	Spray Retop XPLODE™ M100/MS200 Running Tracks	36.46	
		For Up To 4,000, Add	*12.76*	
		For >5,500, Deduct	*-3.57*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0009	SY	Sandwich Retop XPLODE™ MSX500 Running Tracks	70.57	
		For Up To 4,000, Add	*24.70*	
		For >5,500, Deduct	*-7.44*	
32 18 23 39-0010	SY	Retop XPLODE™ Plexitrac® Lightning Running Tracks	20.52	
		Note: Two layers.		
		For Up To 4,000, Add	*7.18*	
		For >5,500, Deduct	*-3.39*	
32 18 23 39-0011	SY	Retop XPLODE™ Plexitrac® Accelerator Running Tracks	24.99	
		Note: Two layers.		
		For Up To 4,000, Add	*8.75*	
		For >5,500, Deduct	*-3.39*	
32 18 23 39-0012	EA	Restripe XPLODE™ Running Track	8,484.44	
		Note: Includes two coats of acrylic resurfacer and two coats of color.		
		For College Track Restriping, Add	*1,542.62*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	29.41	

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	423.03	

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	41.63	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry	46.34	
		Note: Includes 4" base.		
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	17.61	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	11.97	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	10.11	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	6.71	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat	1.21	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat	0.66	
		Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat	1.70	
		Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat	68.81	
		Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat	2.48	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.14*	
		For US Open Blue, Add	*0.48*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat	2.02	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.10*	
		For US Open Blue, Add	*0.34*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat	1.76	
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.08*	
		For US Open Blue, Add	*0.27*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat	1.86	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	*0.04*	
		For US Open Or Australian Open Blue, Add	*0.31*	
		For Pro Purple, Add	*0.80*	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®)	1.16	
		Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	4.07	
		Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	5.57	
		Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	4.78	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	3.58	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	2.72	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements *(32)*

32 31 Fences And Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)*		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Swing Gate Actuator *(32 31 11 00-0001)*		
32 31 11 00-0003		Single Gate, Swing Gate Actuator *(32 31 11 00-0002)*		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,074.46	169.75
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,392.93	169.75
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006		Dual Gate, Swing Gate Actuator *(32 31 11 00-0002)*		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,148.92	339.52
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,785.87	339.52
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009		Swing Gate Operators *(32 31 11 00-0001)*		
32 31 11 00-0010		Single Gate, Swing Gate Operators *(32 31 11 00-0009)*		
32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	2,070.71	169.75
		Note: Includes one primary operator with a 10' wide and 400# gate capacity.		
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	2,242.20	169.75
		Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	3,001.64	169.75
		Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	3,385.44	169.75
		Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015		Dual Gate, Swing Gate Operators *(32 31 11 00-0009)*		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	3,692.29	339.52
		Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	4,035.27	339.52
		Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,545.98	339.52
		Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,387.07	339.52
		Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0020 Sliding Gate Operators *(32 31 11 00-0001)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.

32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,686.91	169.75
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,367.27	203.71
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	2,938.89	203.71
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	3,843.80	237.66
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	4,725.72	237.66
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	6,459.50	271.61
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	10,832.39	271.61
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	18,396.68	305.57
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

32 31 11 00-0029 Accessories For Gate Actuators And Operators *(32 31 11 00-0001)*

32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	400.57
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	783.99
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	462.45
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	522.18
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	473.19
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	354.78
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators	5.99
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators	4.76
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators	6.67
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators	6.33

32 31 13 Chain Link Fences And Gates *(32 31)*

32 31 13 13 Chain Link Fences And Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.44
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.36
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.92
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.16
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.17
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.38
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.87
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.73
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.12
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.31
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.78
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	33.47

32 31 13 13-0015 Post Hole In Rock *(32 31 13 13-0001)*

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	56.15
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	16.84

32 31 13 13-0018 Fill For Post Holes *(32 31 13 13-0001)*

See CSI section 03 21 00 00-0000 for reinforcing bars.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	4.90	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	6.27	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	6.96	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	8.10	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	11.51	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	15.36	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	18.82	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	22.02	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	30.33	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	37.96	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	45.42	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	53.23	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	5.70	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	7.33	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	8.04	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	9.15	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	12.85	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	17.15	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	20.94	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	24.39	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	32.98	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	40.65	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	48.13	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	55.85	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.77	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	4.92	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	5.15	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	5.30	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	7.07	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	9.43	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	11.31	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	12.83	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	15.63	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	17.54	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	19.24	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	20.75	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
		Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	8.73	2.50
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	8.02	2.13
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	7.15	1.76
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	6.46	1.39
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	5.99	1.20
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	5.27	0.84
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.69	2.31
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.45*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0069	LF	1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	5.97	1.95
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.38*	
32 31 13 13-0070	LF	1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.18	1.58
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.30*	
32 31 13 13-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	4.56	1.20
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.24*	
32 31 13 13-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.15	1.01
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.20*	
32 31 13 13-0073	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	3.69	0.84
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.52*	
		For Vinyl Coated, Add	*1.24*	
		For Powder Coated, Add	*1.65*	
		For Aluminum Coated, Add	*2.58*	
		For Schedule 20, Deduct	*-0.41*	
		For Schedule 80, Add	*1.15*	

32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	7.30	2.41
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.68*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.65	2.04
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.62*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.82	1.66
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.15	1.30
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.47*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.71	1.11
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.42*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	4.31	0.93
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.63*	
		For Vinyl Coated, Add	*1.51*	
		For Powder Coated, Add	*2.01*	
		For Aluminum Coated, Add	*3.14*	
		For Schedule 20, Deduct	*-0.50*	
		For Schedule 80, Add	*1.38*	
32 31 13 13-0081		Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	8.39	2.59
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*2.11*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	7.68	2.22
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*2.04*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.81	1.76
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*1.95*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	6.12	1.39
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*1.88*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	5.65	1.20
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*1.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	5.21	0.93
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.84*	
		For Vinyl Coated, Add	*2.00*	
		For Powder Coated, Add	*2.67*	
		For Aluminum Coated, Add	*4.18*	
		For Schedule 20, Deduct	*-0.67*	
		For Schedule 80, Add	*1.79*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.54	2.78
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.95*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	9.78	2.41
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.87*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	8.85	1.95
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.78*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.07	1.58
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.70*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	7.56	1.30
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.65*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	7.08	1.01
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.25*	
		For Vinyl Coated, Add	*2.99*	
		For Powder Coated, Add	*3.99*	
		For Aluminum Coated, Add	*6.24*	
		For Schedule 20, Deduct	*-1.00*	
		For Schedule 80, Add	*2.60*	

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	13.96	2.96
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.48*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	12.98	2.41
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.38*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	12.17	2.04
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.30*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	11.36	1.66
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.22*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	11.36	1.66
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.22*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	10.42	1.20
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.03*	
		For Vinyl Coated, Add	*4.87*	
		For Powder Coated, Add	*6.49*	
		For Aluminum Coated, Add	*10.14*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.12*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	23.70	3.24
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.91*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	22.64	2.69
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.80*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	21.72	2.22
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.71*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	20.81	1.76
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.62*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	20.28	1.58
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.56*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	19.77	1.30
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.30*	
		For Vinyl Coated, Add	*10.32*	
		For Powder Coated, Add	*13.76*	
		For Aluminum Coated, Add	*21.50*	
		For Schedule 20, Deduct	*-3.44*	
		For Schedule 80, Add	*8.51*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	42.46	3.61
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.64*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	41.28	3.05
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.52*	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	40.24	2.50
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.42*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.21	1.95
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	38.67	1.66
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.26*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	38.10	1.39
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.19*	
		For Aluminum Coated, Add	*44.05*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.20*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	51.55
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" Round Chain Link Fence Post Note: OZ-Post HB-700.	51.55
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" Round Chain Link Fence Post Note: OZ-Post IS-600.	52.65
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" Round Chain Link Fence Post Note: OZ-Post ISW-850.	63.66

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	60.34
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	58.69
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	60.68
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	63.66
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	63.66

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	57.43
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	62.00
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	65.86
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	65.87
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	73.04
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	78.12

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	57.43
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	62.00
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	65.87
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	66.75

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0140)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0695 for barb wire attachments.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0142		Galvanized *(32 31 13 13-0141)*		
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.15	3.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.77*	
		For 13 Gauge Fabric, Deduct	*-3.76*	
		For 11 Gauge Fabric, Deduct	*-2.19*	
		For 6 Gauge Fabric, Add	*3.45*	
		For 1" Mesh Fabric, Add	*4.70*	
		For 1-3/4" Mesh Fabric, Add	*1.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.94*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.25*	
		For Posts 8' On Centers, Add	*1.31*	
		For Posts 5' On Centers, Add	*4.97*	
		For Up To 100, Add	*4.71*	
		For >100 To 250, Add	*1.77*	
		For >2,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.77*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.92	3.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.82*	
		For 13 Gauge Fabric, Deduct	*-3.96*	
		For 11 Gauge Fabric, Deduct	*-2.31*	
		For 6 Gauge Fabric, Add	*3.63*	
		For 1" Mesh Fabric, Add	*4.95*	
		For 1-3/4" Mesh Fabric, Add	*1.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.32*	
		For Posts 8' On Centers, Add	*1.35*	
		For Posts 5' On Centers, Add	*5.12*	
		For Up To 100, Add	*4.84*	
		For >100 To 250, Add	*1.82*	
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.82*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	24.57	3.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.86*	
		For 13 Gauge Fabric, Deduct	*-4.12*	
		For 11 Gauge Fabric, Deduct	*-2.41*	
		For 6 Gauge Fabric, Add	*3.78*	
		For 1" Mesh Fabric, Add	*5.15*	
		For 1-3/4" Mesh Fabric, Add	*2.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.37*	
		For Posts 8' On Centers, Add	*1.38*	
		For Posts 5' On Centers, Add	*5.25*	
		For Up To 100, Add	*4.96*	
		For >100 To 250, Add	*1.86*	
		For >2,500 To 5,000, Deduct	*-0.93*	
		For >5,000, Deduct	*-1.86*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	26.13	3.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.96*	
		For 13 Gauge Fabric, Deduct	*-4.52*	
		For 11 Gauge Fabric, Deduct	*-2.64*	
		For 6 Gauge Fabric, Add	*4.15*	
		For 1" Mesh Fabric, Add	*5.66*	
		For 1-3/4" Mesh Fabric, Add	*2.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.51*	
		For Posts 8' On Centers, Add	*1.46*	
		For Posts 5' On Centers, Add	*5.56*	
		For Up To 100, Add	*5.23*	
		For >100 To 250, Add	*1.96*	
		For >2,500 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.96*	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	28.15	3.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.11*	
		For 13 Gauge Fabric, Deduct	*-4.92*	
		For 11 Gauge Fabric, Deduct	*-2.88*	
		For 6 Gauge Fabric, Add	*4.52*	
		For 1" Mesh Fabric, Add	*6.16*	
		For 1-3/4" Mesh Fabric, Add	*2.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.23*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.64*	
		For Posts 8' On Centers, Add	*1.58*	
		For Posts 5' On Centers, Add	*5.98*	
		For Up To 100, Add	*5.62*	
		For >100 To 250, Add	*2.11*	
		For >2,500 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-2.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	29.43	4.73
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.20*	
		For 13 Gauge Fabric, Deduct	*-5.18*	
		For 11 Gauge Fabric, Deduct	*-3.03*	
		For 6 Gauge Fabric, Add	*4.76*	
		For 1" Mesh Fabric, Add	*6.49*	
		For 1-3/4" Mesh Fabric, Add	*2.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.30*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.73*	
		For Posts 8' On Centers, Add	*1.65*	
		For Posts 5' On Centers, Add	*6.24*	
		For Up To 100, Add	*5.87*	
		For >100 To 250, Add	*2.20*	
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-2.20*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.35	5.51
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.39*	
		For 13 Gauge Fabric, Deduct	*-5.87*	
		For 11 Gauge Fabric, Deduct	*-3.43*	
		For 6 Gauge Fabric, Add	*5.39*	
		For 1" Mesh Fabric, Add	*7.35*	
		For 1-3/4" Mesh Fabric, Add	*2.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.47*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.96*	
		For Posts 8' On Centers, Add	*1.80*	
		For Posts 5' On Centers, Add	*6.83*	
		For Up To 100, Add	*6.40*	
		For >100 To 250, Add	*2.39*	
		For >2,500 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-2.39*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.38	7.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.53*	
		For 13 Gauge Fabric, Deduct	*-6.32*	
		For 11 Gauge Fabric, Deduct	*-3.69*	
		For 6 Gauge Fabric, Add	*5.81*	
		For 1" Mesh Fabric, Add	*7.92*	
		For 1-3/4" Mesh Fabric, Add	*3.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.11*	
		For Posts 8' On Centers, Add	*1.91*	
		For Posts 5' On Centers, Add	*7.24*	
		For Up To 100, Add	*6.78*	
		For >100 To 250, Add	*2.53*	
		For >2,500 To 5,000, Deduct	*-1.26*	
		For >5,000, Deduct	*-2.53*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	36.44	7.87
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.67*	
		For 13 Gauge Fabric, Deduct	*-6.78*	
		For 11 Gauge Fabric, Deduct	*-3.96*	
		For 6 Gauge Fabric, Add	*6.22*	
		For 1" Mesh Fabric, Add	*8.49*	
		For 1-3/4" Mesh Fabric, Add	*3.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.70*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.26*	
		For Posts 8' On Centers, Add	*2.03*	
		For Posts 5' On Centers, Add	*7.66*	
		For Up To 100, Add	*7.16*	
		For >100 To 250, Add	*2.67*	
		For >2,500 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-2.67*	
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	40.22	9.44
		For Each Additional Foot >12, Add	*3.58*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.93*	
		For 13 Gauge Fabric, Deduct	*-7.60*	
		For 11 Gauge Fabric, Deduct	*-4.44*	
		For 6 Gauge Fabric, Add	*6.98*	
		For 1" Mesh Fabric, Add	*9.52*	
		For 1-3/4" Mesh Fabric, Add	*3.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.90*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.54*	
		For Posts 8' On Centers, Add	*2.23*	
		For Posts 5' On Centers, Add	*8.43*	
		For Up To 100, Add	*7.87*	
		For >100 To 250, Add	*2.93*	
		For >2,500 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.93*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	25.53	3.15
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*1.92*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.91*	
		For 13 Gauge Fabric, Deduct	*-4.45*	
		For 11 Gauge Fabric, Deduct	*-2.60*	
		For 6 Gauge Fabric, Add	*4.09*	
		For 1" Mesh Fabric, Add	*5.57*	
		For 1-3/4" Mesh Fabric, Add	*2.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.49*	
		For Posts 8' On Centers, Add	*1.43*	
		For Posts 5' On Centers, Add	*5.42*	
		For Up To 100, Add	*5.10*	
		For >100 To 250, Add	*1.91*	
		For >2,500 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.91*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	27.35	3.15
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.13*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.02*	
		For 13 Gauge Fabric, Deduct	*-4.94*	
		For 11 Gauge Fabric, Deduct	*-2.89*	
		For 6 Gauge Fabric, Add	*4.54*	
		For 1" Mesh Fabric, Add	*6.19*	
		For 1-3/4" Mesh Fabric, Add	*2.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.65*	
		For Posts 8' On Centers, Add	*1.53*	
		For Posts 5' On Centers, Add	*5.78*	
		For Up To 100, Add	*5.42*	
		For >100 To 250, Add	*2.02*	
		For >2,500 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-2.02*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.62	3.15
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.50*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.23*	
		For 13 Gauge Fabric, Deduct	*-5.78*	
		For 11 Gauge Fabric, Deduct	*-3.38*	
		For 6 Gauge Fabric, Add	*5.31*	
		For 1" Mesh Fabric, Add	*7.24*	
		For 1-3/4" Mesh Fabric, Add	*2.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.93*	
		For Posts 8' On Centers, Add	*1.70*	
		For Posts 5' On Centers, Add	*6.42*	
		For Up To 100, Add	*5.99*	
		For >100 To 250, Add	*2.23*	
		For >2,500 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-2.23*	
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.30	4.73
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.67*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.34*	
		For 13 Gauge Fabric, Deduct	*-6.18*	
		For 11 Gauge Fabric, Deduct	*-3.61*	
		For 6 Gauge Fabric, Add	*5.68*	
		For 1" Mesh Fabric, Add	*7.74*	
		For 1-3/4" Mesh Fabric, Add	*3.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.06*	
		For Posts 8' On Centers, Add	*1.79*	
		For Posts 5' On Centers, Add	*6.76*	
		For Up To 100, Add	*6.30*	
		For >100 To 250, Add	*2.34*	
		For >2,500 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-2.34*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	35.70	5.51
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.04*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.56*	
		For 13 Gauge Fabric, Deduct	*-7.03*	
		For 11 Gauge Fabric, Deduct	*-4.11*	
		For 6 Gauge Fabric, Add	*6.46*	
		For 1" Mesh Fabric, Add	*8.80*	
		For 1-3/4" Mesh Fabric, Add	*3.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.35*	
		For Posts 8' On Centers, Add	*1.97*	
		For Posts 5' On Centers, Add	*7.43*	
		For Up To 100, Add	*6.90*	
		For >100 To 250, Add	*2.56*	
		For >2,500 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-2.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	37.97	7.08
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.27*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.71*	
		For 13 Gauge Fabric, Deduct	*-7.57*	
		For 11 Gauge Fabric, Deduct	*-4.42*	
		For 6 Gauge Fabric, Add	*6.95*	
		For 1" Mesh Fabric, Add	*9.48*	
		For 1-3/4" Mesh Fabric, Add	*3.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.90*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.53*	
		For Posts 8' On Centers, Add	*2.09*	
		For Posts 5' On Centers, Add	*7.89*	
		For Up To 100, Add	*7.31*	
		For >100 To 250, Add	*2.71*	
		For >2,500 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.71*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	40.28	7.87
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.50*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.86*	
		For 13 Gauge Fabric, Deduct	*-8.11*	
		For 11 Gauge Fabric, Deduct	*-4.74*	
		For 6 Gauge Fabric, Add	*7.45*	
		For 1" Mesh Fabric, Add	*10.16*	
		For 1-3/4" Mesh Fabric, Add	*4.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.71*	
		For Posts 8' On Centers, Add	*2.22*	
		For Posts 5' On Centers, Add	*8.35*	
		For Up To 100, Add	*7.74*	
		For >100 To 250, Add	*2.86*	
		For >2,500 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.86*	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	43.59	9.44
		For Each Additional Foot >12, Add	*3.83*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.79*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.10*	
		For 13 Gauge Fabric, Deduct	*-8.77*	
		For 11 Gauge Fabric, Deduct	*-5.13*	
		For 6 Gauge Fabric, Add	*8.05*	
		For 1" Mesh Fabric, Add	*10.98*	
		For 1-3/4" Mesh Fabric, Add	*4.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.20*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.93*	
		For Posts 8' On Centers, Add	*2.40*	
		For Posts 5' On Centers, Add	*9.04*	
		For Up To 100, Add	*8.37*	
		For >100 To 250, Add	*3.10*	
		For >2,500 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-3.10*	

32 31 13 13-0162 Rails *(32 31 13 13)*
Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*
Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	4.43	1.01
		For SS15, Deduct	*-0.23*	
		For SS40, Add	*0.58*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	5.21	1.01
		For SS40, Add	*0.31*	
		For Powder Coated, Add	*0.62*	
		For Aluminum Coated, Add	*1.23*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	5.38	1.16
		For SS15, Deduct	*-0.31*	
		For SS40, Add	*0.77*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	6.42	1.16
		For SS40, Add	*0.41*	
		For Powder Coated, Add	*0.82*	
		For Aluminum Coated, Add	*1.64*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	6.28	1.30
		For SS40, Add	*0.92*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	7.52	1.30
		For SS40, Add	*0.49*	
		For Powder Coated, Add	*0.99*	
		For Aluminum Coated, Add	*1.97*	

32 31 13 13-0170 Fabric *(32 31 13 13)*

32 31 13 13-0171 Fabric, Galvanized Chain Link *(32 31 13 13-0170)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.40	1.85
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.60*	
		For 13 Gauge Fabric, Deduct	*-1.07*	
		For 11 Gauge Fabric, Deduct	*-0.60*	
		For 6 Gauge Fabric, Add	*1.90*	
		For 1" Mesh Fabric, Add	*1.79*	
		For 1-3/4" Mesh Fabric, Add	*0.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.36*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.48*	
32 31 13 13-0173	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.25	2.08
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.69*	
		For 13 Gauge Fabric, Deduct	*-1.25*	
		For 11 Gauge Fabric, Deduct	*-0.69*	
		For 6 Gauge Fabric, Add	*2.22*	
		For 1" Mesh Fabric, Add	*2.08*	
		For 1-3/4" Mesh Fabric, Add	*0.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.55*	
32 31 13 13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.99	2.31
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.76*	
		For 13 Gauge Fabric, Deduct	*-1.37*	
		For 11 Gauge Fabric, Deduct	*-0.76*	
		For 6 Gauge Fabric, Add	*2.44*	
		For 1" Mesh Fabric, Add	*2.29*	
		For 1-3/4" Mesh Fabric, Add	*0.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.46*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.61*	
32 31 13 13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.20	2.78
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.95*	
		For 13 Gauge Fabric, Deduct	*-1.71*	
		For 11 Gauge Fabric, Deduct	*-0.95*	
		For 6 Gauge Fabric, Add	*3.04*	
		For 1" Mesh Fabric, Add	*2.85*	
		For 1-3/4" Mesh Fabric, Add	*1.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.57*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.76*	
32 31 13 13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.50	3.24
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.14*	
		For 13 Gauge Fabric, Deduct	*-2.06*	
		For 11 Gauge Fabric, Deduct	*-1.14*	
		For 6 Gauge Fabric, Add	*3.66*	
		For 1" Mesh Fabric, Add	*3.43*	
		For 1-3/4" Mesh Fabric, Add	*1.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.69*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.91*	
32 31 13 13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.87	3.70
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.33*	
		For 13 Gauge Fabric, Deduct	*-2.39*	
		For 11 Gauge Fabric, Deduct	*-1.33*	
		For 6 Gauge Fabric, Add	*4.26*	
		For 1" Mesh Fabric, Add	*3.99*	
		For 1-3/4" Mesh Fabric, Add	*1.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.06*	
32 31 13 13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.35	4.63
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.52*	
		For 13 Gauge Fabric, Deduct	*-2.74*	
		For 11 Gauge Fabric, Deduct	*-1.52*	
		For 6 Gauge Fabric, Add	*4.87*	
		For 1" Mesh Fabric, Add	*4.57*	
		For 1-3/4" Mesh Fabric, Add	*1.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.91*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.22*	
32 31 13 13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.13	5.09
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.98*	
		For 13 Gauge Fabric, Deduct	*-3.56*	
		For 11 Gauge Fabric, Deduct	*-1.98*	
		For 6 Gauge Fabric, Add	*6.33*	
		For 1" Mesh Fabric, Add	*5.93*	
		For 1-3/4" Mesh Fabric, Add	*2.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.58*	
32 31 13 13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	20.60	5.55
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.37*	
		For 13 Gauge Fabric, Deduct	*-4.27*	
		For 11 Gauge Fabric, Deduct	*-2.37*	
		For 6 Gauge Fabric, Add	*7.58*	
		For 1" Mesh Fabric, Add	*7.11*	
		For 1-3/4" Mesh Fabric, Add	*2.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	23.15	6.48
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.55*	
		For 13 Gauge Fabric, Deduct	*-4.58*	
		For 11 Gauge Fabric, Deduct	*-2.55*	
		For 6 Gauge Fabric, Add	*8.14*	
		For 1" Mesh Fabric, Add	*7.64*	
		For 1-3/4" Mesh Fabric, Add	*3.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.04*	
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	25.70	7.40
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.72*	
		For 13 Gauge Fabric, Deduct	*-4.90*	
		For 11 Gauge Fabric, Deduct	*-2.72*	
		For 6 Gauge Fabric, Add	*8.70*	
		For 1" Mesh Fabric, Add	*8.16*	
		For 1-3/4" Mesh Fabric, Add	*3.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.63*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.18*	
32 31 13 13-0183		**Fabric, Vinyl Coated Chain Link** *(32 31 13 13-0170)*		
32 31 13 13-0184	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.96	1.85
		For 13 Gauge Fabric, Deduct	*-1.81*	
		For 11 Gauge Fabric, Deduct	*-1.01*	
		For 6 Gauge Fabric, Add	*3.22*	
		For 1" Mesh Fabric, Add	*3.02*	
		For 1-3/4" Mesh Fabric, Add	*1.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.60*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.80*	
		For Aluminum Coated, Add	*1.61*	
32 31 13 13-0185	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	12.42	2.78
		For 13 Gauge Fabric, Deduct	*-2.26*	
		For 11 Gauge Fabric, Deduct	*-1.26*	
		For 6 Gauge Fabric, Add	*4.02*	
		For 1" Mesh Fabric, Add	*3.77*	
		For 1-3/4" Mesh Fabric, Add	*1.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.00*	
		For Aluminum Coated, Add	*2.01*	
32 31 13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.97	3.24
		For 13 Gauge Fabric, Deduct	*-3.17*	
		For 11 Gauge Fabric, Deduct	*-1.76*	
		For 6 Gauge Fabric, Add	*5.63*	
		For 1" Mesh Fabric, Add	*5.28*	
		For 1-3/4" Mesh Fabric, Add	*2.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.06*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.41*	
		For Aluminum Coated, Add	*2.82*	
32 31 13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.75	3.70
		For 13 Gauge Fabric, Deduct	*-3.69*	
		For 11 Gauge Fabric, Deduct	*-2.05*	
		For 6 Gauge Fabric, Add	*6.56*	
		For 1" Mesh Fabric, Add	*6.15*	
		For 1-3/4" Mesh Fabric, Add	*2.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.23*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.64*	
		For Aluminum Coated, Add	*3.28*	
32 31 13 13-0188	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.70	4.63
		For 13 Gauge Fabric, Deduct	*-4.25*	
		For 11 Gauge Fabric, Deduct	*-2.36*	
		For 6 Gauge Fabric, Add	*7.55*	
		For 1" Mesh Fabric, Add	*7.08*	
		For 1-3/4" Mesh Fabric, Add	*2.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.89*	
		For Aluminum Coated, Add	*3.78*	
32 31 13 13-0189	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	21.97	5.09
		For 13 Gauge Fabric, Deduct	*-5.29*	
		For 11 Gauge Fabric, Deduct	*-2.94*	
		For 6 Gauge Fabric, Add	*9.40*	
		For 1" Mesh Fabric, Add	*8.81*	
		For 1-3/4" Mesh Fabric, Add	*3.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.35*	
		For Aluminum Coated, Add	*4.70*	
32 31 13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.98	5.55
		For 13 Gauge Fabric, Deduct	*-5.79*	
		For 11 Gauge Fabric, Deduct	*-3.22*	
		For 6 Gauge Fabric, Add	*10.29*	
		For 1" Mesh Fabric, Add	*9.65*	
		For 1-3/4" Mesh Fabric, Add	*3.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.57*	
		For Aluminum Coated, Add	*5.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.12	6.48
		For 13 Gauge Fabric, Deduct	*-6.37*	
		For 11 Gauge Fabric, Deduct	*-3.54*	
		For 6 Gauge Fabric, Add	*11.32*	
		For 1" Mesh Fabric, Add	*10.61*	
		For 1-3/4" Mesh Fabric, Add	*4.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.83*	
		For Aluminum Coated, Add	*5.66*	
32 31 13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.32	7.40
		For 13 Gauge Fabric, Deduct	*-6.98*	
		For 11 Gauge Fabric, Deduct	*-3.88*	
		For 6 Gauge Fabric, Add	*12.40*	
		For 1" Mesh Fabric, Add	*11.63*	
		For 1-3/4" Mesh Fabric, Add	*4.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.10*	
		For Aluminum Coated, Add	*6.20*	

32 31 13 13-0193 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0170)*

32 31 13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.19	1.85
		For 6 Gauge Fabric, Add	*1.74*	
		For 1" Mesh Fabric, Add	*2.28*	
32 31 13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.00	2.08
		For 6 Gauge Fabric, Add	*2.02*	
		For 1" Mesh Fabric, Add	*2.65*	
32 31 13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.83	2.31
		For 6 Gauge Fabric, Add	*2.31*	
		For 1" Mesh Fabric, Add	*3.03*	
32 31 13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.00	2.78
		For 6 Gauge Fabric, Add	*2.88*	
		For 1" Mesh Fabric, Add	*3.78*	
32 31 13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.24	3.24
		For 6 Gauge Fabric, Add	*3.45*	
		For 1" Mesh Fabric, Add	*4.53*	
32 31 13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.59	3.70
		For 6 Gauge Fabric, Add	*4.03*	
		For 1" Mesh Fabric, Add	*5.29*	
32 31 13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.02	4.63
		For 6 Gauge Fabric, Add	*4.61*	
		For 1" Mesh Fabric, Add	*6.05*	
32 31 13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.41	5.09
		For 6 Gauge Fabric, Add	*5.75*	
		For 1" Mesh Fabric, Add	*7.55*	
32 31 13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.75	5.55
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*9.06*	

32 31 13 13-0203 Fabric, All Aluminum Chain Link *(32 31 13 13-0170)*

32 31 13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	11.69	1.85
		For 6 Gauge Fabric, Add	*4.54*	
		For 1" Mesh Fabric, Add	*5.95*	
32 31 13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	13.10	2.08
		For 6 Gauge Fabric, Add	*5.30*	
		For 1" Mesh Fabric, Add	*6.95*	
32 31 13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	14.50	2.31
		For 6 Gauge Fabric, Add	*6.05*	
		For 1" Mesh Fabric, Add	*7.94*	
32 31 13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.85	2.78
		For 6 Gauge Fabric, Add	*7.56*	
		For 1" Mesh Fabric, Add	*9.92*	
32 31 13 13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.27	3.24
		For 6 Gauge Fabric, Add	*9.07*	
		For 1" Mesh Fabric, Add	*11.91*	
32 31 13 13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.78	3.70
		For 6 Gauge Fabric, Add	*10.58*	
		For 1" Mesh Fabric, Add	*13.89*	
32 31 13 13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	24.38	4.63
		For 6 Gauge Fabric, Add	*12.10*	
		For 1" Mesh Fabric, Add	*15.88*	
32 31 13 13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	29.12	5.09
		For 6 Gauge Fabric, Add	*15.12*	
		For 1" Mesh Fabric, Add	*19.85*	
32 31 13 13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	33.80	5.55
		For 6 Gauge Fabric, Add	*18.14*	
		For 1" Mesh Fabric, Add	*23.81*	

32 31 13 13-0213 Fence Inserts *(32 31 13 13-0170)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0214 Vinyl Plastic Fence Inserts *(32 31 13 13-0213)*

Note: Assorted colors.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert	6.17	
32 31 13 13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	7.07	
32 31 13 13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert	7.80	
32 31 13 13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert	9.78	
32 31 13 13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert	11.70	
32 31 13 13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert	13.69	
32 31 13 13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert	15.60	
32 31 13 13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert	18.63	

32 31 13 13-0223 Aluminum Fence Inserts *(32 31 13 13-0213)*

Note: Assorted colors.

32 31 13 13-0224	LF	3' High Fence, Aluminum Fence Insert	18.13	
32 31 13 13-0225	LF	3-1/2' High Fence, Aluminum Fence Insert	19.95	
32 31 13 13-0226	LF	4' High Fence, Aluminum Fence Insert	22.91	
32 31 13 13-0227	LF	5' High Fence, Aluminum Fence Insert	28.68	
32 31 13 13-0228	LF	6' High Fence, Aluminum Fence Insert	34.41	
32 31 13 13-0229	LF	7' High Fence, Aluminum Fence Insert	37.69	
32 31 13 13-0230	LF	8' High Fence, Aluminum Fence Insert	45.87	
32 31 13 13-0231	LF	10' High Fence, Aluminum Fence Insert	56.67	

32 31 13 13-0232 Redwood Fence Inserts *(32 31 13 13-0213)*

32 31 13 13-0233	LF	4' High Fence, Redwood Fence Insert	9.53	
32 31 13 13-0234	LF	5' High Fence, Redwood Fence Insert	12.07	
32 31 13 13-0235	LF	6' High Fence, Redwood Fence Insert	14.50	
32 31 13 13-0236	LF	7' High Fence, Redwood Fence Insert	16.88	
32 31 13 13-0237	LF	8' High Fence, Redwood Fence Insert	19.32	

32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0213)*

32 31 13 13-0239	SF	Diagonal Polyethylene Fence Weave	2.46	

32 31 13 13-0240 Hedge Link Fence Inserts *(32 31 13 13-0213)*

32 31 13 13-0241	LF	3' High Fence, Hedge Link Fence Insert	12.67	
32 31 13 13-0242	LF	3-1/2' High Fence, Hedge Link Fence Insert	14.42	
32 31 13 13-0243	LF	4' High Fence, Hedge Link Fence Insert	17.04	
32 31 13 13-0244	LF	5' High Fence, Hedge Link Fence Insert	21.06	
32 31 13 13-0245	LF	6' High Fence, Hedge Link Fence Insert	24.21	
32 31 13 13-0246	LF	7' High Fence, Hedge Link Fence Insert	30.32	
32 31 13 13-0247	LF	8' High Fence, Hedge Link Fence Insert	34.45	
32 31 13 13-0248	LF	10' High Fence, Hedge Link Fence Insert	41.03	
32 31 13 13-0249	LF	12' High Fence, Hedge Link Fence Insert	47.04	

32 31 13 13-0250 Fence Windscreen Fabric *(32 31 13 13-0170)*

Note: Includes plastic wire clips.

32 31 13 13-0251	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.83	
		For Sewn Boxed Vent (Each), Add	*15.43*	
		For Welded Boxed Vent (Each), Add	*7.72*	
		For 4' x 4' One Color Logo (Each), Add	*321.55*	

32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 13-0170)*

32 31 13 13-0253	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	19.67	1.85
		For 11 Gauge, Deduct	*-2.73*	
		For 10 Gauge, Deduct	*-1.09*	
		For 7 Gauge, Add	*1.64*	
		For 6 Gauge, Add	*3.82*	
		For 1/2" Mesh Fabric, Deduct	*-0.68*	
		For 5/8" Mesh Fabric, Deduct	*-1.50*	
		For 3/4" Mesh Fabric, Deduct	*-2.18*	
32 31 13 13-0254	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	22.40	2.08
		For 11 Gauge, Deduct	*-3.18*	
		For 10 Gauge, Deduct	*-1.27*	
		For 7 Gauge, Add	*1.91*	
		For 6 Gauge, Add	*4.46*	
		For 1/2" Mesh Fabric, Deduct	*-0.80*	
		For 5/8" Mesh Fabric, Deduct	*-1.75*	
		For 3/4" Mesh Fabric, Deduct	*-2.55*	
32 31 13 13-0255	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	25.16	2.31
		For 11 Gauge, Deduct	*-3.64*	
		For 10 Gauge, Deduct	*-1.46*	
		For 7 Gauge, Add	*2.19*	
		For 6 Gauge, Add	*5.10*	
		For 1/2" Mesh Fabric, Deduct	*-0.91*	
		For 5/8" Mesh Fabric, Deduct	*-2.00*	
		For 3/4" Mesh Fabric, Deduct	*-2.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0256	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	30.16	2.78
		For 11 Gauge, Deduct	*-4.55*	
		For 10 Gauge, Deduct	*-1.82*	
		For 7 Gauge, Add	*2.73*	
		For 6 Gauge, Add	*6.37*	
		For 1/2" Mesh Fabric, Deduct	*-1.14*	
		For 5/8" Mesh Fabric, Deduct	*-2.50*	
		For 3/4" Mesh Fabric, Deduct	*-3.64*	
32 31 13 13-0257	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	35.23	3.24
		For 11 Gauge, Deduct	*-5.46*	
		For 10 Gauge, Deduct	*-2.18*	
		For 7 Gauge, Add	*3.28*	
		For 6 Gauge, Add	*7.64*	
		For 1/2" Mesh Fabric, Deduct	*-1.37*	
		For 5/8" Mesh Fabric, Deduct	*-3.00*	
		For 3/4" Mesh Fabric, Deduct	*-4.37*	
32 31 13 13-0258	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	40.41	3.70
		For 11 Gauge, Deduct	*-6.37*	
		For 10 Gauge, Deduct	*-2.55*	
		For 7 Gauge, Add	*3.82*	
		For 6 Gauge, Add	*8.92*	
		For 1/2" Mesh Fabric, Deduct	*-1.59*	
		For 5/8" Mesh Fabric, Deduct	*-3.50*	
		For 3/4" Mesh Fabric, Deduct	*-5.10*	
32 31 13 13-0259	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	45.67	4.63
		For 11 Gauge, Deduct	*-7.28*	
		For 10 Gauge, Deduct	*-2.91*	
		For 7 Gauge, Add	*4.37*	
		For 6 Gauge, Add	*10.19*	
		For 1/2" Mesh Fabric, Deduct	*-1.82*	
		For 5/8" Mesh Fabric, Deduct	*-4.01*	
		For 3/4" Mesh Fabric, Deduct	*-5.83*	
32 31 13 13-0260	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	50.26	4.86
		For 11 Gauge, Deduct	*-8.11*	
		For 10 Gauge, Deduct	*-3.24*	
		For 7 Gauge, Add	*4.86*	
		For 6 Gauge, Add	*11.35*	
		For 1/2" Mesh Fabric, Deduct	*-2.03*	
		For 5/8" Mesh Fabric, Deduct	*-4.46*	
		For 3/4" Mesh Fabric, Deduct	*-6.48*	
32 31 13 13-0261	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	54.87	5.09
		For 11 Gauge, Deduct	*-8.93*	
		For 10 Gauge, Deduct	*-3.57*	
		For 7 Gauge, Add	*5.36*	
		For 6 Gauge, Add	*12.50*	
		For 1/2" Mesh Fabric, Deduct	*-2.23*	
		For 5/8" Mesh Fabric, Deduct	*-4.91*	
		For 3/4" Mesh Fabric, Deduct	*-7.14*	
32 31 13 13-0262	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	59.52	5.55
		For 11 Gauge, Deduct	*-9.68*	
		For 10 Gauge, Deduct	*-3.87*	
		For 7 Gauge, Add	*5.81*	
		For 6 Gauge, Add	*13.55*	
		For 1/2" Mesh Fabric, Deduct	*-2.42*	
		For 5/8" Mesh Fabric, Deduct	*-5.32*	
		For 3/4" Mesh Fabric, Deduct	*-7.74*	

32 31 13 13-0263 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 79 00 00-0001 for padlocks, 08 79 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0264 Galvanized Steel Without Barbed Wire *(32 31 13 13-0263)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0265 4' Fence Height *(32 31 13 13-0264)*

32 31 13 13-0266	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	179.98	18.31
		For Gate With Single Barb Wire Arm, Add	*13.50*	
		For Gate With Double Barb Wire Arm, Add	*19.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-23.02*	
		For Aluminized Steel Gate And Post, Add	*58.92*	
		For Powder Coated Gate And Post, Add	*31.92*	
32 31 13 13-0267	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	220.90	19.08
		For Gate With Single Barb Wire Arm, Add	*18.00*	
		For Gate With Double Barb Wire Arm, Add	*26.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-30.69*	
		For Aluminized Steel Gate And Post, Add	*78.57*	
		For Powder Coated Gate And Post, Add	*42.56*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	258.64	20.29
		For Gate With Single Barb Wire Arm, Add	*21.74*	
		For Gate With Double Barb Wire Arm, Add	*31.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.05*	
		For Aluminized Steel Gate And Post, Add	*94.85*	
		For Powder Coated Gate And Post, Add	*51.38*	
32 31 13 13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	304.80	24.41
		For Gate With Single Barb Wire Arm, Add	*25.47*	
		For Gate With Double Barb Wire Arm, Add	*37.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.42*	
		For Aluminized Steel Gate And Post, Add	*111.14*	
		For Powder Coated Gate And Post, Add	*60.20*	
32 31 13 13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	350.94	28.46
		For Gate With Single Barb Wire Arm, Add	*29.20*	
		For Gate With Double Barb Wire Arm, Add	*42.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.78*	
		For Aluminized Steel Gate And Post, Add	*127.43*	
		For Powder Coated Gate And Post, Add	*69.02*	
32 31 13 13-0271	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	398.48	32.50
		For Gate With Single Barb Wire Arm, Add	*33.09*	
		For Gate With Double Barb Wire Arm, Add	*48.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.40*	
		For Aluminized Steel Gate And Post, Add	*144.39*	
		For Powder Coated Gate And Post, Add	*78.21*	
32 31 13 13-0272	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	444.61	36.62
		For Gate With Single Barb Wire Arm, Add	*36.82*	
		For Gate With Double Barb Wire Arm, Add	*53.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.77*	
		For Aluminized Steel Gate And Post, Add	*160.68*	
		For Powder Coated Gate And Post, Add	*87.04*	
32 31 13 13-0273	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	491.35	40.66
		For Gate With Single Barb Wire Arm, Add	*40.62*	
		For Gate With Double Barb Wire Arm, Add	*59.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.24*	
		For Aluminized Steel Gate And Post, Add	*177.25*	
		For Powder Coated Gate And Post, Add	*96.01*	
32 31 13 13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	613.11	40.66
		For Gate With Single Barb Wire Arm, Add	*54.01*	
		For Gate With Double Barb Wire Arm, Add	*78.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.07*	
		For Aluminized Steel Gate And Post, Add	*235.70*	
		For Powder Coated Gate And Post, Add	*127.67*	
32 31 13 13-0275	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	720.05	43.57
		For Gate With Single Barb Wire Arm, Add	*64.82*	
		For Gate With Double Barb Wire Arm, Add	*94.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.48*	
		For Aluminized Steel Gate And Post, Add	*282.84*	
		For Powder Coated Gate And Post, Add	*153.21*	
32 31 13 13-0276	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	828.31	46.92
		For Gate With Single Barb Wire Arm, Add	*75.62*	
		For Gate With Double Barb Wire Arm, Add	*109.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.90*	
		For Aluminized Steel Gate And Post, Add	*329.98*	
		For Powder Coated Gate And Post, Add	*178.74*	
32 31 13 13-0277	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	938.26	50.81
		For Gate With Single Barb Wire Arm, Add	*86.42*	
		For Gate With Double Barb Wire Arm, Add	*125.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-147.31*	
		For Aluminized Steel Gate And Post, Add	*377.12*	
		For Powder Coated Gate And Post, Add	*204.27*	
32 31 13 13-0278	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,073.91	63.25
		For Gate With Single Barb Wire Arm, Add	*97.23*	
		For Gate With Double Barb Wire Arm, Add	*141.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.73*	
		For Aluminized Steel Gate And Post, Add	*424.26*	
		For Powder Coated Gate And Post, Add	*229.81*	
32 31 13 13-0279	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,185.69	67.79
		For Gate With Single Barb Wire Arm, Add	*108.03*	
		For Gate With Double Barb Wire Arm, Add	*157.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-184.14*	
		For Aluminized Steel Gate And Post, Add	*471.40*	
		For Powder Coated Gate And Post, Add	*255.34*	
32 31 13 13-0280	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,297.17	73.05
		For Gate With Single Barb Wire Arm, Add	*118.57*	
		For Gate With Double Barb Wire Arm, Add	*172.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.10*	
		For Aluminized Steel Gate And Post, Add	*517.39*	
		For Powder Coated Gate And Post, Add	*280.25*	
32 31 13 13-0281	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,411.26	79.10
		For Gate With Single Barb Wire Arm, Add	*129.11*	
		For Gate With Double Barb Wire Arm, Add	*187.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-220.07*	
		For Aluminized Steel Gate And Post, Add	*563.38*	
		For Powder Coated Gate And Post, Add	*305.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,528.67	86.32
		For Gate With Single Barb Wire Arm, Add	*139.65*	
		For Gate With Double Barb Wire Arm, Add	*203.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-238.04*	
		For Aluminized Steel Gate And Post, Add	*609.37*	
		For Powder Coated Gate And Post, Add	*330.08*	
32 31 13 13-0283	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,614.46	94.97
		For Gate With Single Barb Wire Arm, Add	*146.23*	
		For Gate With Double Barb Wire Arm, Add	*212.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.26*	
		For Aluminized Steel Gate And Post, Add	*638.11*	
		For Powder Coated Gate And Post, Add	*345.64*	
32 31 13 13-0284	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,789.86	105.47
		For Gate With Single Barb Wire Arm, Add	*162.04*	
		For Gate With Double Barb Wire Arm, Add	*235.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-276.21*	
		For Aluminized Steel Gate And Post, Add	*707.10*	
		For Powder Coated Gate And Post, Add	*383.01*	
32 31 13 13-0285		5' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0286	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	212.73	20.29
		For Gate With Single Barb Wire Arm, Add	*16.69*	
		For Gate With Double Barb Wire Arm, Add	*24.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.44*	
		For Aluminized Steel Gate And Post, Add	*72.82*	
		For Powder Coated Gate And Post, Add	*39.44*	
32 31 13 13-0287	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	262.64	20.29
		For Gate With Single Barb Wire Arm, Add	*22.18*	
		For Gate With Double Barb Wire Arm, Add	*32.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.80*	
		For Aluminized Steel Gate And Post, Add	*96.77*	
		For Powder Coated Gate And Post, Add	*52.42*	
32 31 13 13-0288	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	304.39	21.59
		For Gate With Single Barb Wire Arm, Add	*26.35*	
		For Gate With Double Barb Wire Arm, Add	*38.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.91*	
		For Aluminized Steel Gate And Post, Add	*114.97*	
		For Powder Coated Gate And Post, Add	*62.28*	
32 31 13 13-0289	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	357.28	25.94
		For Gate With Single Barb Wire Arm, Add	*30.74*	
		For Gate With Double Barb Wire Arm, Add	*44.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.40*	
		For Aluminized Steel Gate And Post, Add	*134.14*	
		For Powder Coated Gate And Post, Add	*72.66*	
32 31 13 13-0290	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	406.18	30.21
		For Gate With Single Barb Wire Arm, Add	*34.69*	
		For Gate With Double Barb Wire Arm, Add	*50.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.13*	
		For Aluminized Steel Gate And Post, Add	*151.38*	
		For Powder Coated Gate And Post, Add	*82.00*	
32 31 13 13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	459.83	34.80
		For Gate With Single Barb Wire Arm, Add	*39.08*	
		For Gate With Double Barb Wire Arm, Add	*56.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.62*	
		For Aluminized Steel Gate And Post, Add	*170.55*	
		For Powder Coated Gate And Post, Add	*92.38*	
32 31 13 13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	510.73	39.14
		For Gate With Single Barb Wire Arm, Add	*43.26*	
		For Gate With Double Barb Wire Arm, Add	*62.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.73*	
		For Aluminized Steel Gate And Post, Add	*188.75*	
		For Powder Coated Gate And Post, Add	*102.24*	
32 31 13 13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	561.63	43.41
		For Gate With Single Barb Wire Arm, Add	*47.43*	
		For Gate With Double Barb Wire Arm, Add	*68.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.84*	
		For Aluminized Steel Gate And Post, Add	*206.96*	
		For Powder Coated Gate And Post, Add	*112.10*	
32 31 13 13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	739.21	43.57
		For Gate With Single Barb Wire Arm, Add	*66.93*	
		For Gate With Double Barb Wire Arm, Add	*97.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.08*	
		For Aluminized Steel Gate And Post, Add	*292.04*	
		For Powder Coated Gate And Post, Add	*158.19*	
32 31 13 13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	871.42	46.92
		For Gate With Single Barb Wire Arm, Add	*80.36*	
		For Gate With Double Barb Wire Arm, Add	*116.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-136.98*	
		For Aluminized Steel Gate And Post, Add	*350.67*	
		For Powder Coated Gate And Post, Add	*189.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,005.33	50.81
		For Gate With Single Barb Wire Arm, Add	*93.80*	
		For Gate With Double Barb Wire Arm, Add	*136.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-159.89*	
		For Aluminized Steel Gate And Post, Add	*409.31*	
		For Powder Coated Gate And Post, Add	*221.71*	
32 31 13 13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,164.94	63.25
		For Gate With Single Barb Wire Arm, Add	*107.24*	
		For Gate With Double Barb Wire Arm, Add	*155.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.79*	
		For Aluminized Steel Gate And Post, Add	*467.95*	
		For Powder Coated Gate And Post, Add	*253.47*	
32 31 13 13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,298.27	67.79
		For Gate With Single Barb Wire Arm, Add	*120.41*	
		For Gate With Double Barb Wire Arm, Add	*175.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-205.25*	
		For Aluminized Steel Gate And Post, Add	*525.44*	
		For Powder Coated Gate And Post, Add	*284.61*	
32 31 13 13-0299	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,438.50	73.05
		For Gate With Single Barb Wire Arm, Add	*134.11*	
		For Gate With Double Barb Wire Arm, Add	*195.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.60*	
		For Aluminized Steel Gate And Post, Add	*585.23*	
		For Powder Coated Gate And Post, Add	*317.00*	
32 31 13 13-0300	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,578.93	79.10
		For Gate With Single Barb Wire Arm, Add	*147.55*	
		For Gate With Double Barb Wire Arm, Add	*214.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.51*	
		For Aluminized Steel Gate And Post, Add	*643.86*	
		For Powder Coated Gate And Post, Add	*348.76*	
32 31 13 13-0301	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,720.30	86.32
		For Gate With Single Barb Wire Arm, Add	*160.73*	
		For Gate With Double Barb Wire Arm, Add	*233.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-273.97*	
		For Aluminized Steel Gate And Post, Add	*701.35*	
		For Powder Coated Gate And Post, Add	*379.90*	
32 31 13 13-0302	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,870.76	94.97
		For Gate With Single Barb Wire Arm, Add	*174.43*	
		For Gate With Double Barb Wire Arm, Add	*253.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-297.32*	
		For Aluminized Steel Gate And Post, Add	*761.14*	
		For Powder Coated Gate And Post, Add	*412.28*	
32 31 13 13-0303	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,023.09	105.47
		For Gate With Single Barb Wire Arm, Add	*187.70*	
		For Gate With Double Barb Wire Arm, Add	*273.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-319.94*	
		For Aluminized Steel Gate And Post, Add	*819.05*	
		For Powder Coated Gate And Post, Add	*443.65*	
32 31 13 13-0304	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,181.56	118.66
		For Gate With Single Barb Wire Arm, Add	*200.78*	
		For Gate With Double Barb Wire Arm, Add	*292.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-342.23*	
		For Aluminized Steel Gate And Post, Add	*876.11*	
		For Powder Coated Gate And Post, Add	*474.56*	
32 31 13 13-0305		6' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0306	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	228.07	21.74
		For Gate With Single Barb Wire Arm, Add	*17.89*	
		For Gate With Double Barb Wire Arm, Add	*26.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-30.50*	
		For Aluminized Steel Gate And Post, Add	*78.09*	
		For Powder Coated Gate And Post, Add	*42.30*	
32 31 13 13-0307	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	281.97	21.74
		For Gate With Single Barb Wire Arm, Add	*23.82*	
		For Gate With Double Barb Wire Arm, Add	*34.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.61*	
		For Aluminized Steel Gate And Post, Add	*103.96*	
		For Powder Coated Gate And Post, Add	*56.31*	
32 31 13 13-0308	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	327.24	23.12
		For Gate With Single Barb Wire Arm, Add	*28.36*	
		For Gate With Double Barb Wire Arm, Add	*41.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.34*	
		For Aluminized Steel Gate And Post, Add	*123.74*	
		For Powder Coated Gate And Post, Add	*67.03*	
32 31 13 13-0309	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	381.35	27.93
		For Gate With Single Barb Wire Arm, Add	*32.72*	
		For Gate With Double Barb Wire Arm, Add	*47.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.77*	
		For Aluminized Steel Gate And Post, Add	*142.76*	
		For Powder Coated Gate And Post, Add	*77.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	437.76	32.80
		For Gate With Single Barb Wire Arm, Add	*37.33*	
		For Gate With Double Barb Wire Arm, Add	*54.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.63*	
		For Aluminized Steel Gate And Post, Add	*162.88*	
		For Powder Coated Gate And Post, Add	*88.23*	
32 31 13 13-0311	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	491.41	37.39
		For Gate With Single Barb Wire Arm, Add	*41.72*	
		For Gate With Double Barb Wire Arm, Add	*60.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.11*	
		For Aluminized Steel Gate And Post, Add	*182.04*	
		For Powder Coated Gate And Post, Add	*98.61*	
32 31 13 13-0312	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	545.83	42.19
		For Gate With Single Barb Wire Arm, Add	*46.11*	
		For Gate With Double Barb Wire Arm, Add	*67.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.60*	
		For Aluminized Steel Gate And Post, Add	*201.21*	
		For Powder Coated Gate And Post, Add	*108.99*	
32 31 13 13-0313	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	582.28	47.00
		For Gate With Single Barb Wire Arm, Add	*48.53*	
		For Gate With Double Barb Wire Arm, Add	*70.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.71*	
		For Aluminized Steel Gate And Post, Add	*211.75*	
		For Powder Coated Gate And Post, Add	*114.70*	
32 31 13 13-0314	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	789.98	46.92
		For Gate With Single Barb Wire Arm, Add	*71.40*	
		For Gate With Double Barb Wire Arm, Add	*103.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-121.71*	
		For Aluminized Steel Gate And Post, Add	*311.58*	
		For Powder Coated Gate And Post, Add	*168.77*	
32 31 13 13-0315	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	931.08	50.81
		For Gate With Single Barb Wire Arm, Add	*85.63*	
		For Gate With Double Barb Wire Arm, Add	*124.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.97*	
		For Aluminized Steel Gate And Post, Add	*373.67*	
		For Powder Coated Gate And Post, Add	*202.40*	
32 31 13 13-0316	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,113.83	67.79
		For Gate With Single Barb Wire Arm, Add	*100.12*	
		For Gate With Double Barb Wire Arm, Add	*145.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-170.67*	
		For Aluminized Steel Gate And Post, Add	*436.91*	
		For Powder Coated Gate And Post, Add	*236.66*	
32 31 13 13-0317	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,258.85	73.05
		For Gate With Single Barb Wire Arm, Add	*114.35*	
		For Gate With Double Barb Wire Arm, Add	*166.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.92*	
		For Aluminized Steel Gate And Post, Add	*498.99*	
		For Powder Coated Gate And Post, Add	*270.29*	
32 31 13 13-0318	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,408.86	79.10
		For Gate With Single Barb Wire Arm, Add	*128.84*	
		For Gate With Double Barb Wire Arm, Add	*187.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.62*	
		For Aluminized Steel Gate And Post, Add	*562.23*	
		For Powder Coated Gate And Post, Add	*304.54*	
32 31 13 13-0319	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,562.20	86.32
		For Gate With Single Barb Wire Arm, Add	*143.34*	
		For Gate With Double Barb Wire Arm, Add	*208.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.32*	
		For Aluminized Steel Gate And Post, Add	*625.46*	
		For Powder Coated Gate And Post, Add	*338.79*	
32 31 13 13-0320	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,717.46	94.97
		For Gate With Single Barb Wire Arm, Add	*157.56*	
		For Gate With Double Barb Wire Arm, Add	*229.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-268.58*	
		For Aluminized Steel Gate And Post, Add	*687.55*	
		For Powder Coated Gate And Post, Add	*372.42*	
32 31 13 13-0321	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,879.69	105.47
		For Gate With Single Barb Wire Arm, Add	*171.92*	
		For Gate With Double Barb Wire Arm, Add	*250.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.05*	
		For Aluminized Steel Gate And Post, Add	*750.22*	
		For Powder Coated Gate And Post, Add	*406.37*	
32 31 13 13-0322	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,048.38	118.66
		For Gate With Single Barb Wire Arm, Add	*186.13*	
		For Gate With Double Barb Wire Arm, Add	*270.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.26*	
		For Aluminized Steel Gate And Post, Add	*812.18*	
		For Powder Coated Gate And Post, Add	*439.93*	
32 31 13 13-0323	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,230.08	135.59
		For Gate With Single Barb Wire Arm, Add	*200.51*	
		For Gate With Double Barb Wire Arm, Add	*291.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-341.78*	
		For Aluminized Steel Gate And Post, Add	*874.96*	
		For Powder Coated Gate And Post, Add	*473.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,428.96	158.21
		For Gate With Single Barb Wire Arm, Add	*214.92*	
		For Gate With Double Barb Wire Arm, Add	*312.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-366.35*	
		For Aluminized Steel Gate And Post, Add	*937.85*	
		For Powder Coated Gate And Post, Add	*508.00*	
32 31 13 13-0325		7' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	240.10	23.42
		For Gate With Single Barb Wire Arm, Add	*18.66*	
		For Gate With Double Barb Wire Arm, Add	*27.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.81*	
		For Aluminized Steel Gate And Post, Add	*81.44*	
		For Powder Coated Gate And Post, Add	*44.11*	
32 31 13 13-0327	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	295.99	23.42
		For Gate With Single Barb Wire Arm, Add	*24.81*	
		For Gate With Double Barb Wire Arm, Add	*36.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.29*	
		For Aluminized Steel Gate And Post, Add	*108.27*	
		For Powder Coated Gate And Post, Add	*58.65*	
32 31 13 13-0328	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	344.84	24.64
		For Gate With Single Barb Wire Arm, Add	*29.79*	
		For Gate With Double Barb Wire Arm, Add	*43.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.78*	
		For Aluminized Steel Gate And Post, Add	*130.00*	
		For Powder Coated Gate And Post, Add	*70.42*	
32 31 13 13-0329	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	422.34	29.99
		For Gate With Single Barb Wire Arm, Add	*36.55*	
		For Gate With Double Barb Wire Arm, Add	*53.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.31*	
		For Aluminized Steel Gate And Post, Add	*159.51*	
		For Powder Coated Gate And Post, Add	*86.40*	
32 31 13 13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	499.09	35.10
		For Gate With Single Barb Wire Arm, Add	*43.32*	
		For Gate With Double Barb Wire Arm, Add	*63.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.84*	
		For Aluminized Steel Gate And Post, Add	*189.03*	
		For Powder Coated Gate And Post, Add	*102.39*	
32 31 13 13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	576.60	40.36
		For Gate With Single Barb Wire Arm, Add	*50.08*	
		For Gate With Double Barb Wire Arm, Add	*72.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.37*	
		For Aluminized Steel Gate And Post, Add	*218.54*	
		For Powder Coated Gate And Post, Add	*118.38*	
32 31 13 13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	653.36	45.47
		For Gate With Single Barb Wire Arm, Add	*56.85*	
		For Gate With Double Barb Wire Arm, Add	*82.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.90*	
		For Aluminized Steel Gate And Post, Add	*248.06*	
		For Powder Coated Gate And Post, Add	*134.37*	
32 31 13 13-0333	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	719.79	50.81
		For Gate With Single Barb Wire Arm, Add	*62.39*	
		For Gate With Double Barb Wire Arm, Add	*90.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.35*	
		For Aluminized Steel Gate And Post, Add	*272.25*	
		For Powder Coated Gate And Post, Add	*147.47*	
32 31 13 13-0334	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	897.11	50.81
		For Gate With Single Barb Wire Arm, Add	*81.90*	
		For Gate With Double Barb Wire Arm, Add	*119.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.60*	
		For Aluminized Steel Gate And Post, Add	*357.36*	
		For Powder Coated Gate And Post, Add	*193.57*	
32 31 13 13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,031.45	67.79
		For Gate With Single Barb Wire Arm, Add	*91.06*	
		For Gate With Double Barb Wire Arm, Add	*132.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.22*	
		For Aluminized Steel Gate And Post, Add	*397.36*	
		For Powder Coated Gate And Post, Add	*215.24*	
32 31 13 13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,185.09	73.05
		For Gate With Single Barb Wire Arm, Add	*106.24*	
		For Gate With Double Barb Wire Arm, Add	*154.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.09*	
		For Aluminized Steel Gate And Post, Add	*463.59*	
		For Powder Coated Gate And Post, Add	*251.11*	
32 31 13 13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,329.82	79.10
		For Gate With Single Barb Wire Arm, Add	*120.15*	
		For Gate With Double Barb Wire Arm, Add	*174.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.80*	
		For Aluminized Steel Gate And Post, Add	*524.29*	
		For Powder Coated Gate And Post, Add	*283.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,490.34	86.32
		For Gate With Single Barb Wire Arm, Add	*135.43*	
		For Gate With Double Barb Wire Arm, Add	*196.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-230.85*	
		For Aluminized Steel Gate And Post, Add	*590.97*	
		For Powder Coated Gate And Post, Add	*320.11*	
32 31 13 13-0339	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,652.79	94.97
		For Gate With Single Barb Wire Arm, Add	*150.45*	
		For Gate With Double Barb Wire Arm, Add	*218.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-256.45*	
		For Aluminized Steel Gate And Post, Add	*656.51*	
		For Powder Coated Gate And Post, Add	*355.61*	
32 31 13 13-0340	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,821.00	105.47
		For Gate With Single Barb Wire Arm, Add	*165.47*	
		For Gate With Double Barb Wire Arm, Add	*240.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-282.05*	
		For Aluminized Steel Gate And Post, Add	*722.04*	
		For Powder Coated Gate And Post, Add	*391.11*	
32 31 13 13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,997.12	118.66
		For Gate With Single Barb Wire Arm, Add	*180.49*	
		For Gate With Double Barb Wire Arm, Add	*262.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-307.65*	
		For Aluminized Steel Gate And Post, Add	*787.58*	
		For Powder Coated Gate And Post, Add	*426.61*	
32 31 13 13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,184.57	135.59
		For Gate With Single Barb Wire Arm, Add	*195.51*	
		For Gate With Double Barb Wire Arm, Add	*284.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-333.25*	
		For Aluminized Steel Gate And Post, Add	*853.12*	
		For Powder Coated Gate And Post, Add	*462.11*	
32 31 13 13-0343	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,388.96	158.21
		For Gate With Single Barb Wire Arm, Add	*210.52*	
		For Gate With Double Barb Wire Arm, Add	*306.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-358.85*	
		For Aluminized Steel Gate And Post, Add	*918.65*	
		For Powder Coated Gate And Post, Add	*497.60*	
32 31 13 13-0344	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,620.52	189.83
		For Gate With Single Barb Wire Arm, Add	*225.54*	
		For Gate With Double Barb Wire Arm, Add	*328.06*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-384.45*	
		For Aluminized Steel Gate And Post, Add	*984.19*	
		For Powder Coated Gate And Post, Add	*533.10*	

32 31 13 13-0345 8' Fence Height *(32 31 13 13-0264)*

32 31 13 13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	278.92	25.40
		For Gate With Single Barb Wire Arm, Add	*22.29*	
		For Gate With Double Barb Wire Arm, Add	*32.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.99*	
		For Aluminized Steel Gate And Post, Add	*97.26*	
		For Powder Coated Gate And Post, Add	*52.68*	
32 31 13 13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	346.47	25.40
		For Gate With Single Barb Wire Arm, Add	*29.72*	
		For Gate With Double Barb Wire Arm, Add	*43.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.66*	
		For Aluminized Steel Gate And Post, Add	*129.69*	
		For Powder Coated Gate And Post, Add	*70.25*	
32 31 13 13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	402.84	28.31
		For Gate With Single Barb Wire Arm, Add	*34.95*	
		For Gate With Double Barb Wire Arm, Add	*50.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.58*	
		For Aluminized Steel Gate And Post, Add	*152.52*	
		For Powder Coated Gate And Post, Add	*82.62*	
32 31 13 13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	461.48	32.05
		For Gate With Single Barb Wire Arm, Add	*40.19*	
		For Gate With Double Barb Wire Arm, Add	*58.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.50*	
		For Aluminized Steel Gate And Post, Add	*175.37*	
		For Powder Coated Gate And Post, Add	*94.99*	
32 31 13 13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	528.90	38.60
		For Gate With Single Barb Wire Arm, Add	*45.42*	
		For Gate With Double Barb Wire Arm, Add	*66.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.42*	
		For Aluminized Steel Gate And Post, Add	*198.21*	
		For Powder Coated Gate And Post, Add	*107.36*	
32 31 13 13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	595.56	44.94
		For Gate With Single Barb Wire Arm, Add	*50.66*	
		For Gate With Double Barb Wire Arm, Add	*73.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.35*	
		For Aluminized Steel Gate And Post, Add	*221.05*	
		For Powder Coated Gate And Post, Add	*119.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	662.99	51.58
		For Gate With Single Barb Wire Arm, Add	*55.89*	
		For Gate With Double Barb Wire Arm, Add	*81.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.27*	
		For Aluminized Steel Gate And Post, Add	*243.89*	
		For Powder Coated Gate And Post, Add	*132.11*	
32 31 13 13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	730.40	58.22
		For Gate With Single Barb Wire Arm, Add	*61.13*	
		For Gate With Double Barb Wire Arm, Add	*88.91*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.19*	
		For Aluminized Steel Gate And Post, Add	*266.73*	
		For Powder Coated Gate And Post, Add	*144.48*	
32 31 13 13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,037.16	67.79
		For Gate With Single Barb Wire Arm, Add	*91.69*	
		For Gate With Double Barb Wire Arm, Add	*133.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-156.29*	
		For Aluminized Steel Gate And Post, Add	*400.10*	
		For Powder Coated Gate And Post, Add	*216.72*	
32 31 13 13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,213.34	73.05
		For Gate With Single Barb Wire Arm, Add	*109.35*	
		For Gate With Double Barb Wire Arm, Add	*159.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-186.39*	
		For Aluminized Steel Gate And Post, Add	*477.15*	
		For Powder Coated Gate And Post, Add	*258.46*	
32 31 13 13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,394.49	79.10
		For Gate With Single Barb Wire Arm, Add	*127.26*	
		For Gate With Double Barb Wire Arm, Add	*185.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-216.93*	
		For Aluminized Steel Gate And Post, Add	*555.33*	
		For Powder Coated Gate And Post, Add	*300.80*	
32 31 13 13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,583.76	86.32
		For Gate With Single Barb Wire Arm, Add	*145.71*	
		For Gate With Double Barb Wire Arm, Add	*211.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.36*	
		For Aluminized Steel Gate And Post, Add	*635.81*	
		For Powder Coated Gate And Post, Add	*344.40*	
32 31 13 13-0358	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,777.34	94.97
		For Gate With Single Barb Wire Arm, Add	*164.15*	
		For Gate With Double Barb Wire Arm, Add	*238.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.80*	
		For Aluminized Steel Gate And Post, Add	*716.29*	
		For Powder Coated Gate And Post, Add	*387.99*	
32 31 13 13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,974.30	105.47
		For Gate With Single Barb Wire Arm, Add	*182.33*	
		For Gate With Double Barb Wire Arm, Add	*265.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.79*	
		For Aluminized Steel Gate And Post, Add	*795.63*	
		For Powder Coated Gate And Post, Add	*430.97*	
32 31 13 13-0360	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,176.77	118.66
		For Gate With Single Barb Wire Arm, Add	*200.25*	
		For Gate With Double Barb Wire Arm, Add	*291.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-341.33*	
		For Aluminized Steel Gate And Post, Add	*873.81*	
		For Powder Coated Gate And Post, Add	*473.31*	
32 31 13 13-0361	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,395.36	135.59
		For Gate With Single Barb Wire Arm, Add	*218.69*	
		For Gate With Double Barb Wire Arm, Add	*318.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-372.77*	
		For Aluminized Steel Gate And Post, Add	*954.30*	
		For Powder Coated Gate And Post, Add	*516.91*	
32 31 13 13-0362	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,630.89	158.21
		For Gate With Single Barb Wire Arm, Add	*237.14*	
		For Gate With Double Barb Wire Arm, Add	*344.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-404.21*	
		For Aluminized Steel Gate And Post, Add	*1,034.78*	
		For Powder Coated Gate And Post, Add	*560.51*	
32 31 13 13-0363	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,891.20	189.83
		For Gate With Single Barb Wire Arm, Add	*255.32*	
		For Gate With Double Barb Wire Arm, Add	*371.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-435.20*	
		For Aluminized Steel Gate And Post, Add	*1,114.11*	
		For Powder Coated Gate And Post, Add	*603.48*	
32 31 13 13-0364	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,199.01	237.32
		For Gate With Single Barb Wire Arm, Add	*273.50*	
		For Gate With Double Barb Wire Arm, Add	*397.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-466.19*	
		For Aluminized Steel Gate And Post, Add	*1,193.44*	
		For Powder Coated Gate And Post, Add	*646.45*	

32 31 13 13-0365 10' Fence Height *(32 31 13 13-0264)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	346.80	28.23
		For Gate With Single Barb Wire Arm, Add	*28.82*	
		For Gate With Double Barb Wire Arm, Add	*41.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.13*	
		For Aluminized Steel Gate And Post, Add	*125.77*	
		For Powder Coated Gate And Post, Add	*68.13*	
32 31 13 13-0367	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	434.15	28.23
		For Gate With Single Barb Wire Arm, Add	*38.43*	
		For Gate With Double Barb Wire Arm, Add	*55.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-65.51*	
		For Aluminized Steel Gate And Post, Add	*167.70*	
		For Powder Coated Gate And Post, Add	*90.84*	
32 31 13 13-0368	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	499.42	29.45
		For Gate With Single Barb Wire Arm, Add	*45.20*	
		For Gate With Double Barb Wire Arm, Add	*65.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.05*	
		For Aluminized Steel Gate And Post, Add	*197.24*	
		For Powder Coated Gate And Post, Add	*106.84*	
32 31 13 13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	582.32	36.62
		For Gate With Single Barb Wire Arm, Add	*51.97*	
		For Gate With Double Barb Wire Arm, Add	*75.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.59*	
		For Aluminized Steel Gate And Post, Add	*226.78*	
		For Powder Coated Gate And Post, Add	*122.84*	
32 31 13 13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	664.78	43.41
		For Gate With Single Barb Wire Arm, Add	*58.74*	
		For Gate With Double Barb Wire Arm, Add	*85.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.12*	
		For Aluminized Steel Gate And Post, Add	*256.31*	
		For Powder Coated Gate And Post, Add	*138.83*	
32 31 13 13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	747.34	50.58
		For Gate With Single Barb Wire Arm, Add	*65.51*	
		For Gate With Double Barb Wire Arm, Add	*95.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.66*	
		For Aluminized Steel Gate And Post, Add	*285.85*	
		For Powder Coated Gate And Post, Add	*154.84*	
32 31 13 13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	829.48	57.45
		For Gate With Single Barb Wire Arm, Add	*72.28*	
		For Gate With Double Barb Wire Arm, Add	*105.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.20*	
		For Aluminized Steel Gate And Post, Add	*315.39*	
		For Powder Coated Gate And Post, Add	*170.84*	
32 31 13 13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	912.39	64.55
		For Gate With Single Barb Wire Arm, Add	*79.05*	
		For Gate With Double Barb Wire Arm, Add	*114.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.74*	
		For Aluminized Steel Gate And Post, Add	*344.93*	
		For Powder Coated Gate And Post, Add	*186.84*	
32 31 13 13-0374	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,304.12	75.37
		For Gate With Single Barb Wire Arm, Add	*118.57*	
		For Gate With Double Barb Wire Arm, Add	*172.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.10*	
		For Aluminized Steel Gate And Post, Add	*517.38*	
		For Powder Coated Gate And Post, Add	*280.25*	
32 31 13 13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,417.29	81.06
		For Gate With Single Barb Wire Arm, Add	*129.11*	
		For Gate With Double Barb Wire Arm, Add	*187.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-220.07*	
		For Aluminized Steel Gate And Post, Add	*563.39*	
		For Powder Coated Gate And Post, Add	*305.17*	
32 31 13 13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,610.12	87.92
		For Gate With Single Barb Wire Arm, Add	*148.08*	
		For Gate With Double Barb Wire Arm, Add	*215.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-252.41*	
		For Aluminized Steel Gate And Post, Add	*646.16*	
		For Powder Coated Gate And Post, Add	*350.00*	
32 31 13 13-0377	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,825.63	95.86
		For Gate With Single Barb Wire Arm, Add	*169.16*	
		For Gate With Double Barb Wire Arm, Add	*246.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.34*	
		For Aluminized Steel Gate And Post, Add	*738.14*	
		For Powder Coated Gate And Post, Add	*399.83*	
32 31 13 13-0378	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,046.16	105.47
		For Gate With Single Barb Wire Arm, Add	*190.24*	
		For Gate With Double Barb Wire Arm, Add	*276.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-324.27*	
		For Aluminized Steel Gate And Post, Add	*830.12*	
		For Powder Coated Gate And Post, Add	*449.65*	
32 31 13 13-0379	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,274.00	117.14
		For Gate With Single Barb Wire Arm, Add	*211.45*	
		For Gate With Double Barb Wire Arm, Add	*307.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-360.42*	
		For Aluminized Steel Gate And Post, Add	*922.68*	
		For Powder Coated Gate And Post, Add	*499.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,511.00	131.84
		For Gate With Single Barb Wire Arm, Add	*232.66*	
		For Gate With Double Barb Wire Arm, Add	*338.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-396.58*	
		For Aluminized Steel Gate And Post, Add	*1,015.23*	
		For Powder Coated Gate And Post, Add	*549.92*	
32 31 13 13-0381	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,758.88	150.55
		For Gate With Single Barb Wire Arm, Add	*253.74*	
		For Gate With Double Barb Wire Arm, Add	*369.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-432.50*	
		For Aluminized Steel Gate And Post, Add	*1,107.21*	
		For Powder Coated Gate And Post, Add	*599.74*	
32 31 13 13-0382	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,026.22	175.77
		For Gate With Single Barb Wire Arm, Add	*274.82*	
		For Gate With Double Barb Wire Arm, Add	*399.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-468.44*	
		For Aluminized Steel Gate And Post, Add	*1,199.19*	
		For Powder Coated Gate And Post, Add	*649.56*	
32 31 13 13-0383	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,322.86	210.77
		For Gate With Single Barb Wire Arm, Add	*295.89*	
		For Gate With Double Barb Wire Arm, Add	*430.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-504.36*	
		For Aluminized Steel Gate And Post, Add	*1,291.17*	
		For Powder Coated Gate And Post, Add	*699.38*	
32 31 13 13-0384	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,675.81	263.69
		For Gate With Single Barb Wire Arm, Add	*317.24*	
		For Gate With Double Barb Wire Arm, Add	*461.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-540.74*	
		For Aluminized Steel Gate And Post, Add	*1,384.31*	
		For Powder Coated Gate And Post, Add	*749.83*	
32 31 13 13-0385		**12' Fence Height** *(32 31 13 13-0264)*		
32 31 13 13-0386	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	429.60	31.36
		For Gate With Single Barb Wire Arm, Add	*36.89*	
		For Gate With Double Barb Wire Arm, Add	*53.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.89*	
		For Aluminized Steel Gate And Post, Add	*160.99*	
		For Powder Coated Gate And Post, Add	*87.20*	
32 31 13 13-0387	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	541.40	31.36
		For Gate With Single Barb Wire Arm, Add	*49.19*	
		For Gate With Double Barb Wire Arm, Add	*71.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.85*	
		For Aluminized Steel Gate And Post, Add	*214.66*	
		For Powder Coated Gate And Post, Add	*116.27*	
32 31 13 13-0388	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	623.63	32.50
		For Gate With Single Barb Wire Arm, Add	*57.86*	
		For Gate With Double Barb Wire Arm, Add	*84.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.62*	
		For Aluminized Steel Gate And Post, Add	*252.47*	
		For Powder Coated Gate And Post, Add	*136.75*	
32 31 13 13-0389	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	726.05	40.36
		For Gate With Single Barb Wire Arm, Add	*66.52*	
		For Gate With Double Barb Wire Arm, Add	*96.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.39*	
		For Aluminized Steel Gate And Post, Add	*290.28*	
		For Powder Coated Gate And Post, Add	*157.23*	
32 31 13 13-0390	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	417.52	48.30
		For Gate With Single Barb Wire Arm, Add	*29.98*	
		For Gate With Double Barb Wire Arm, Add	*43.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.11*	
		For Aluminized Steel Gate And Post, Add	*130.83*	
		For Powder Coated Gate And Post, Add	*70.87*	
32 31 13 13-0391	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	471.83	55.92
		For Gate With Single Barb Wire Arm, Add	*33.44*	
		For Gate With Double Barb Wire Arm, Add	*48.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.99*	
		For Aluminized Steel Gate And Post, Add	*145.91*	
		For Powder Coated Gate And Post, Add	*79.03*	
32 31 13 13-0392	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	526.88	63.78
		For Gate With Single Barb Wire Arm, Add	*36.89*	
		For Gate With Double Barb Wire Arm, Add	*53.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.88*	
		For Aluminized Steel Gate And Post, Add	*160.98*	
		For Powder Coated Gate And Post, Add	*87.20*	
32 31 13 13-0393	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	581.95	71.64
		For Gate With Single Barb Wire Arm, Add	*40.35*	
		For Gate With Double Barb Wire Arm, Add	*58.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.77*	
		For Aluminized Steel Gate And Post, Add	*176.06*	
		For Powder Coated Gate And Post, Add	*95.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	762.41	83.74
		For Gate With Single Barb Wire Arm, Add	*56.21*	
		For Gate With Double Barb Wire Arm, Add	*81.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.82*	
		For Aluminized Steel Gate And Post, Add	*245.29*	
		For Powder Coated Gate And Post, Add	*132.87*	
32 31 13 13-0395	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	832.22	90.15
		For Gate With Single Barb Wire Arm, Add	*61.78*	
		For Gate With Double Barb Wire Arm, Add	*89.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-105.31*	
		For Aluminized Steel Gate And Post, Add	*269.60*	
		For Powder Coated Gate And Post, Add	*146.03*	
32 31 13 13-0396	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	937.08	97.63
		For Gate With Single Barb Wire Arm, Add	*70.82*	
		For Gate With Double Barb Wire Arm, Add	*103.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-120.71*	
		For Aluminized Steel Gate And Post, Add	*309.02*	
		For Powder Coated Gate And Post, Add	*167.39*	
32 31 13 13-0397	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,055.37	106.45
		For Gate With Single Barb Wire Arm, Add	*80.91*	
		For Gate With Double Barb Wire Arm, Add	*117.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.91*	
		For Aluminized Steel Gate And Post, Add	*353.04*	
		For Powder Coated Gate And Post, Add	*191.23*	
32 31 13 13-0398	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,426.11	117.23
		For Gate With Single Barb Wire Arm, Add	*228.18*	
		For Gate With Double Barb Wire Arm, Add	*331.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-388.94*	
		For Aluminized Steel Gate And Post, Add	*995.69*	
		For Powder Coated Gate And Post, Add	*539.33*	
32 31 13 13-0399	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,697.41	130.15
		For Gate With Single Barb Wire Arm, Add	*253.74*	
		For Gate With Double Barb Wire Arm, Add	*369.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-432.50*	
		For Aluminized Steel Gate And Post, Add	*1,107.21*	
		For Powder Coated Gate And Post, Add	*599.74*	
32 31 13 13-0400	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,976.55	146.45
		For Gate With Single Barb Wire Arm, Add	*279.03*	
		For Gate With Double Barb Wire Arm, Add	*405.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-475.62*	
		For Aluminized Steel Gate And Post, Add	*1,217.59*	
		For Powder Coated Gate And Post, Add	*659.53*	
32 31 13 13-0401	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,271.43	167.29
		For Gate With Single Barb Wire Arm, Add	*304.59*	
		For Gate With Double Barb Wire Arm, Add	*443.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.19*	
		For Aluminized Steel Gate And Post, Add	*1,329.12*	
		For Powder Coated Gate And Post, Add	*719.94*	
32 31 13 13-0402	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,583.10	195.36
		For Gate With Single Barb Wire Arm, Add	*329.62*	
		For Gate With Double Barb Wire Arm, Add	*479.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-561.85*	
		For Aluminized Steel Gate And Post, Add	*1,438.34*	
		For Powder Coated Gate And Post, Add	*779.10*	
32 31 13 13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,929.74	234.20
		For Gate With Single Barb Wire Arm, Add	*354.92*	
		For Gate With Double Barb Wire Arm, Add	*516.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-604.97*	
		For Aluminized Steel Gate And Post, Add	*1,548.72*	
		For Powder Coated Gate And Post, Add	*838.89*	
32 31 13 13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,338.67	293.00
		For Gate With Single Barb Wire Arm, Add	*380.47*	
		For Gate With Double Barb Wire Arm, Add	*553.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-648.53*	
		For Aluminized Steel Gate And Post, Add	*1,660.24*	
		For Powder Coated Gate And Post, Add	*899.30*	

32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0263)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0406 4' Fence Height *(32 31 13 13-0405)*

32 31 13 13-0407	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	120.96	19.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-11.95*	
		For Gate With Single Barb Wire Arm, Add	*7.01*	
		For Gate With Double Barb Wire Arm, Add	*10.20*	
32 31 13 13-0408	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	142.20	19.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-15.93*	
		For Gate With Single Barb Wire Arm, Add	*9.35*	
		For Gate With Double Barb Wire Arm, Add	*13.60*	
32 31 13 13-0409	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	163.72	20.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-19.25*	
		For Gate With Single Barb Wire Arm, Add	*11.30*	
		For Gate With Double Barb Wire Arm, Add	*16.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	193.64	24.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.58*	
		For Gate With Single Barb Wire Arm, Add	*13.24*	
		For Gate With Double Barb Wire Arm, Add	*19.26*	
32 31 13 13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	223.55	28.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.89*	
		For Gate With Single Barb Wire Arm, Add	*15.19*	
		For Gate With Double Barb Wire Arm, Add	*22.10*	
32 31 13 13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	253.47	32.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.21*	
		For Gate With Single Barb Wire Arm, Add	*17.14*	
		For Gate With Double Barb Wire Arm, Add	*24.93*	
32 31 13 13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	283.38	36.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.53*	
		For Gate With Single Barb Wire Arm, Add	*19.09*	
		For Gate With Double Barb Wire Arm, Add	*27.76*	
32 31 13 13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	313.29	40.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.85*	
		For Gate With Single Barb Wire Arm, Add	*21.03*	
		For Gate With Double Barb Wire Arm, Add	*30.60*	
32 31 13 13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	377.03	40.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-47.81*	
		For Gate With Single Barb Wire Arm, Add	*28.05*	
		For Gate With Double Barb Wire Arm, Add	*40.79*	
32 31 13 13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	436.75	43.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.37*	
		For Gate With Single Barb Wire Arm, Add	*33.65*	
		For Gate With Double Barb Wire Arm, Add	*48.95*	
32 31 13 13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	497.79	46.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.93*	
		For Gate With Single Barb Wire Arm, Add	*39.26*	
		For Gate With Double Barb Wire Arm, Add	*57.11*	
32 31 13 13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	560.53	50.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.49*	
		For Gate With Single Barb Wire Arm, Add	*44.87*	
		For Gate With Double Barb Wire Arm, Add	*65.27*	
32 31 13 13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	648.96	63.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.05*	
		For Gate With Single Barb Wire Arm, Add	*50.48*	
		For Gate With Double Barb Wire Arm, Add	*73.43*	
32 31 13 13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	713.52	67.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.61*	
		For Gate With Single Barb Wire Arm, Add	*56.09*	
		For Gate With Double Barb Wire Arm, Add	*81.59*	
32 31 13 13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	780.18	73.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-105.17*	
		For Gate With Single Barb Wire Arm, Add	*61.70*	
		For Gate With Double Barb Wire Arm, Add	*89.74*	
32 31 13 13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	849.44	79.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.73*	
		For Gate With Single Barb Wire Arm, Add	*67.31*	
		For Gate With Double Barb Wire Arm, Add	*97.90*	
32 31 13 13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	922.03	86.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.29*	
		For Gate With Single Barb Wire Arm, Add	*72.92*	
		For Gate With Double Barb Wire Arm, Add	*106.06*	
32 31 13 13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	998.93	94.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-133.85*	
		For Gate With Single Barb Wire Arm, Add	*78.53*	
		For Gate With Double Barb Wire Arm, Add	*114.22*	
32 31 13 13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,081.61	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.41*	
		For Gate With Single Barb Wire Arm, Add	*84.14*	
		For Gate With Double Barb Wire Arm, Add	*122.38*	

32 31 13 13-0426 5' Fence Height *(32 31 13 13-0405)*

32 31 13 13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	140.01	20.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-14.81*	
		For Gate With Single Barb Wire Arm, Add	*8.69*	
		For Gate With Double Barb Wire Arm, Add	*12.64*	
32 31 13 13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	166.34	20.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-19.75*	
		For Gate With Single Barb Wire Arm, Add	*11.58*	
		For Gate With Double Barb Wire Arm, Add	*16.85*	
32 31 13 13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	189.91	21.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-23.45*	
		For Gate With Single Barb Wire Arm, Add	*13.76*	
		For Gate With Double Barb Wire Arm, Add	*20.01*	
32 31 13 13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	222.61	25.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.15*	
		For Gate With Single Barb Wire Arm, Add	*15.93*	
		For Gate With Double Barb Wire Arm, Add	*23.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	255.35	30.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-30.85*	
		For Gate With Single Barb Wire Arm, Add	*18.10*	
		For Gate With Double Barb Wire Arm, Add	*26.33*	
32 31 13 13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	288.81	34.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.55*	
		For Gate With Single Barb Wire Arm, Add	*20.27*	
		For Gate With Double Barb Wire Arm, Add	*29.49*	
32 31 13 13-0433	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	321.54	39.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.26*	
		For Gate With Single Barb Wire Arm, Add	*22.44*	
		For Gate With Double Barb Wire Arm, Add	*32.65*	
32 31 13 13-0434	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	354.25	43.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.96*	
		For Gate With Single Barb Wire Arm, Add	*24.62*	
		For Gate With Double Barb Wire Arm, Add	*35.80*	
32 31 13 13-0435	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	446.72	43.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.24*	
		For Gate With Single Barb Wire Arm, Add	*34.75*	
		For Gate With Double Barb Wire Arm, Add	*50.55*	
32 31 13 13-0436	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	519.96	46.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.08*	
		For Gate With Single Barb Wire Arm, Add	*41.70*	
		For Gate With Double Barb Wire Arm, Add	*60.66*	
32 31 13 13-0437	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	594.89	50.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.93*	
		For Gate With Single Barb Wire Arm, Add	*48.65*	
		For Gate With Double Barb Wire Arm, Add	*70.77*	
32 31 13 13-0438	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	695.52	63.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.78*	
		For Gate With Single Barb Wire Arm, Add	*55.60*	
		For Gate With Double Barb Wire Arm, Add	*80.88*	
32 31 13 13-0439	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	772.27	67.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.62*	
		For Gate With Single Barb Wire Arm, Add	*62.55*	
		For Gate With Double Barb Wire Arm, Add	*90.99*	
32 31 13 13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	851.13	73.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.47*	
		For Gate With Single Barb Wire Arm, Add	*69.50*	
		For Gate With Double Barb Wire Arm, Add	*101.10*	
32 31 13 13-0441	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	932.58	79.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.32*	
		For Gate With Single Barb Wire Arm, Add	*76.45*	
		For Gate With Double Barb Wire Arm, Add	*111.20*	
32 31 13 13-0442	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,017.37	86.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.17*	
		For Gate With Single Barb Wire Arm, Add	*83.40*	
		For Gate With Double Barb Wire Arm, Add	*121.32*	
32 31 13 13-0443	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,106.46	94.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-154.01*	
		For Gate With Single Barb Wire Arm, Add	*90.35*	
		For Gate With Double Barb Wire Arm, Add	*131.42*	
32 31 13 13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,201.33	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.86*	
		For Gate With Single Barb Wire Arm, Add	*97.30*	
		For Gate With Double Barb Wire Arm, Add	*141.53*	
32 31 13 13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,304.10	118.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.71*	
		For Gate With Single Barb Wire Arm, Add	*104.25*	
		For Gate With Double Barb Wire Arm, Add	*151.64*	

32 31 13 13-0446 6' Fence Height *(32 31 13 13-0405)*

32 31 13 13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	149.80	21.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-15.83*	
		For Gate With Single Barb Wire Arm, Add	*9.29*	
		For Gate With Double Barb Wire Arm, Add	*13.51*	
32 31 13 13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	177.93	21.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-21.10*	
		For Gate With Single Barb Wire Arm, Add	*12.38*	
		For Gate With Double Barb Wire Arm, Add	*18.01*	
32 31 13 13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	203.07	23.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.06*	
		For Gate With Single Barb Wire Arm, Add	*14.70*	
		For Gate With Double Barb Wire Arm, Add	*21.38*	
32 31 13 13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	238.68	27.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.02*	
		For Gate With Single Barb Wire Arm, Add	*17.02*	
		For Gate With Double Barb Wire Arm, Add	*24.76*	
32 31 13 13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	274.27	32.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.97*	
		For Gate With Single Barb Wire Arm, Add	*19.34*	
		For Gate With Double Barb Wire Arm, Add	*28.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	309.10	37.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.93*	
		For Gate With Single Barb Wire Arm, Add	*21.66*	
		For Gate With Double Barb Wire Arm, Add	*31.51*	
32 31 13 13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	344.71	42.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.89*	
		For Gate With Single Barb Wire Arm, Add	*23.99*	
		For Gate With Double Barb Wire Arm, Add	*34.89*	
32 31 13 13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	380.31	47.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.84*	
		For Gate With Single Barb Wire Arm, Add	*26.31*	
		For Gate With Double Barb Wire Arm, Add	*38.27*	
32 31 13 13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	478.48	46.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.31*	
		For Gate With Single Barb Wire Arm, Add	*37.14*	
		For Gate With Double Barb Wire Arm, Add	*54.02*	
32 31 13 13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	557.76	50.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.97*	
		For Gate With Single Barb Wire Arm, Add	*44.57*	
		For Gate With Double Barb Wire Arm, Add	*64.83*	
32 31 13 13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	676.30	67.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.63*	
		For Gate With Single Barb Wire Arm, Add	*52.00*	
		For Gate With Double Barb Wire Arm, Add	*75.63*	
32 31 13 13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	759.49	73.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.29*	
		For Gate With Single Barb Wire Arm, Add	*59.42*	
		For Gate With Double Barb Wire Arm, Add	*86.43*	
32 31 13 13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	845.29	79.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.95*	
		For Gate With Single Barb Wire Arm, Add	*66.85*	
		For Gate With Double Barb Wire Arm, Add	*97.24*	
32 31 13 13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	946.89	86.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.95*	
		For Gate With Single Barb Wire Arm, Add	*75.65*	
		For Gate With Double Barb Wire Arm, Add	*110.04*	
32 31 13 13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,030.12	94.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.70*	
		For Gate With Single Barb Wire Arm, Add	*81.96*	
		For Gate With Double Barb Wire Arm, Add	*119.21*	
32 31 13 13-0462	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,127.06	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.94*	
		For Gate With Single Barb Wire Arm, Add	*89.14*	
		For Gate With Double Barb Wire Arm, Add	*129.65*	
32 31 13 13-0463	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,234.17	118.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-164.60*	
		For Gate With Single Barb Wire Arm, Add	*96.56*	
		For Gate With Double Barb Wire Arm, Add	*140.45*	
32 31 13 13-0464	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,352.61	135.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.26*	
		For Gate With Single Barb Wire Arm, Add	*103.99*	
		For Gate With Double Barb Wire Arm, Add	*151.26*	
32 31 13 13-0465	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,488.00	158.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.92*	
		For Gate With Single Barb Wire Arm, Add	*111.42*	
		For Gate With Double Barb Wire Arm, Add	*162.06*	
32 31 13 13-0466		**7' Fence Height** *(32 31 13 13-0405)*		
32 31 13 13-0467	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	159.08	23.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-16.62*	
		For Gate With Single Barb Wire Arm, Add	*9.75*	
		For Gate With Double Barb Wire Arm, Add	*14.18*	
32 31 13 13-0468	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	188.64	23.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.16*	
		For Gate With Single Barb Wire Arm, Add	*13.00*	
		For Gate With Double Barb Wire Arm, Add	*18.91*	
32 31 13 13-0469	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	214.39	24.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.32*	
		For Gate With Single Barb Wire Arm, Add	*15.44*	
		For Gate With Double Barb Wire Arm, Add	*22.46*	
32 31 13 13-0470	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	252.57	29.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-30.48*	
		For Gate With Single Barb Wire Arm, Add	*17.88*	
		For Gate With Double Barb Wire Arm, Add	*26.01*	
32 31 13 13-0471	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.99	35.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.63*	
		For Gate With Single Barb Wire Arm, Add	*20.32*	
		For Gate With Double Barb Wire Arm, Add	*29.55*	
32 31 13 13-0472	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	328.19	40.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.79*	
		For Gate With Single Barb Wire Arm, Add	*22.76*	
		For Gate With Double Barb Wire Arm, Add	*33.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	365.61	45.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.95*	
		For Gate With Single Barb Wire Arm, Add	*25.19*	
		For Gate With Double Barb Wire Arm, Add	*36.65*	
32 31 13 13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	403.81	50.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-47.10*	
		For Gate With Single Barb Wire Arm, Add	*27.63*	
		For Gate With Double Barb Wire Arm, Add	*40.19*	
32 31 13 13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	507.24	50.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.50*	
		For Gate With Single Barb Wire Arm, Add	*39.01*	
		For Gate With Double Barb Wire Arm, Add	*56.74*	
32 31 13 13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	629.17	67.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-79.79*	
		For Gate With Single Barb Wire Arm, Add	*46.81*	
		For Gate With Double Barb Wire Arm, Add	*68.09*	
32 31 13 13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	715.78	73.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.09*	
		For Gate With Single Barb Wire Arm, Add	*54.62*	
		For Gate With Double Barb Wire Arm, Add	*79.44*	
32 31 13 13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	804.96	79.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.39*	
		For Gate With Single Barb Wire Arm, Add	*62.42*	
		For Gate With Double Barb Wire Arm, Add	*90.79*	
32 31 13 13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	897.50	86.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-119.69*	
		For Gate With Single Barb Wire Arm, Add	*70.22*	
		For Gate With Double Barb Wire Arm, Add	*102.14*	
32 31 13 13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	994.33	94.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.99*	
		For Gate With Single Barb Wire Arm, Add	*78.02*	
		For Gate With Double Barb Wire Arm, Add	*113.48*	
32 31 13 13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,096.92	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.28*	
		For Gate With Single Barb Wire Arm, Add	*85.82*	
		For Gate With Double Barb Wire Arm, Add	*124.83*	
32 31 13 13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,207.45	118.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-159.59*	
		For Gate With Single Barb Wire Arm, Add	*93.62*	
		For Gate With Double Barb Wire Arm, Add	*136.18*	
32 31 13 13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,329.30	135.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.89*	
		For Gate With Single Barb Wire Arm, Add	*101.43*	
		For Gate With Double Barb Wire Arm, Add	*147.53*	
32 31 13 13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,468.07	158.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-186.18*	
		For Gate With Single Barb Wire Arm, Add	*109.23*	
		For Gate With Double Barb Wire Arm, Add	*158.88*	
32 31 13 13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,634.04	189.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.48*	
		For Gate With Single Barb Wire Arm, Add	*117.03*	
		For Gate With Double Barb Wire Arm, Add	*170.23*	
32 31 13 13-0486		**8' Fence Height** *(32 31 13 13-0405)*		
32 31 13 13-0487	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	183.75	25.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.15*	
		For Gate With Single Barb Wire Arm, Add	*11.82*	
		For Gate With Double Barb Wire Arm, Add	*17.19*	
32 31 13 13-0488	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	219.57	25.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.87*	
		For Gate With Single Barb Wire Arm, Add	*15.76*	
		For Gate With Double Barb Wire Arm, Add	*22.92*	
32 31 13 13-0489	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	243.45	25.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.34*	
		For Gate With Single Barb Wire Arm, Add	*18.39*	
		For Gate With Double Barb Wire Arm, Add	*26.75*	
32 31 13 13-0490	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	287.17	32.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.82*	
		For Gate With Single Barb Wire Arm, Add	*21.01*	
		For Gate With Double Barb Wire Arm, Add	*30.57*	
32 31 13 13-0491	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	330.89	38.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.30*	
		For Gate With Single Barb Wire Arm, Add	*23.64*	
		For Gate With Double Barb Wire Arm, Add	*34.39*	
32 31 13 13-0492	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	373.84	44.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.78*	
		For Gate With Single Barb Wire Arm, Add	*26.27*	
		For Gate With Double Barb Wire Arm, Add	*38.21*	
32 31 13 13-0493	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	417.56	51.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.25*	
		For Gate With Single Barb Wire Arm, Add	*28.89*	
		For Gate With Double Barb Wire Arm, Add	*42.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	461.27	58.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.73*	
		For Gate With Single Barb Wire Arm, Add	*31.52*	
		For Gate With Double Barb Wire Arm, Add	*45.85*	
32 31 13 13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	633.44	67.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.59*	
		For Gate With Single Barb Wire Arm, Add	*47.28*	
		For Gate With Double Barb Wire Arm, Add	*68.77*	
32 31 13 13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	735.08	73.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.71*	
		For Gate With Single Barb Wire Arm, Add	*56.74*	
		For Gate With Double Barb Wire Arm, Add	*82.53*	
32 31 13 13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	839.32	79.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.83*	
		For Gate With Single Barb Wire Arm, Add	*66.19*	
		For Gate With Double Barb Wire Arm, Add	*96.28*	
32 31 13 13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	946.89	86.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.95*	
		For Gate With Single Barb Wire Arm, Add	*75.65*	
		For Gate With Double Barb Wire Arm, Add	*110.04*	
32 31 13 13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,058.76	94.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.07*	
		For Gate With Single Barb Wire Arm, Add	*85.11*	
		For Gate With Double Barb Wire Arm, Add	*123.79*	
32 31 13 13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,176.41	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.19*	
		For Gate With Single Barb Wire Arm, Add	*94.56*	
		For Gate With Double Barb Wire Arm, Add	*137.55*	
32 31 13 13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,301.97	118.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.31*	
		For Gate With Single Barb Wire Arm, Add	*104.02*	
		For Gate With Double Barb Wire Arm, Add	*151.30*	
32 31 13 13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,438.84	135.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.43*	
		For Gate With Single Barb Wire Arm, Add	*113.48*	
		For Gate With Double Barb Wire Arm, Add	*165.06*	
32 31 13 13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,592.67	158.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.54*	
		For Gate With Single Barb Wire Arm, Add	*122.93*	
		For Gate With Double Barb Wire Arm, Add	*178.81*	
32 31 13 13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,773.67	189.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.66*	
		For Gate With Single Barb Wire Arm, Add	*132.39*	
		For Gate With Double Barb Wire Arm, Add	*192.57*	
32 31 13 13-0505	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,002.17	237.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.78*	
		For Gate With Single Barb Wire Arm, Add	*141.85*	
		For Gate With Double Barb Wire Arm, Add	*206.32*	
32 31 13 13-0506		**10' Fence Height** *(32 31 13 13-0405)*		
32 31 13 13-0507	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	209.43	28.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-23.37*	
		For Gate With Single Barb Wire Arm, Add	*13.71*	
		For Gate With Double Barb Wire Arm, Add	*19.95*	
32 31 13 13-0508	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	250.98	28.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.16*	
		For Gate With Single Barb Wire Arm, Add	*18.28*	
		For Gate With Double Barb Wire Arm, Add	*26.59*	
32 31 13 13-0509	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	282.41	29.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.36*	
		For Gate With Single Barb Wire Arm, Add	*21.33*	
		For Gate With Double Barb Wire Arm, Add	*31.03*	
32 31 13 13-0510	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	331.47	36.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.55*	
		For Gate With Single Barb Wire Arm, Add	*24.38*	
		For Gate With Double Barb Wire Arm, Add	*35.46*	
32 31 13 13-0511	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	379.79	43.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.75*	
		For Gate With Single Barb Wire Arm, Add	*27.43*	
		For Gate With Double Barb Wire Arm, Add	*39.89*	
32 31 13 13-0512	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	428.84	50.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.94*	
		For Gate With Single Barb Wire Arm, Add	*30.47*	
		For Gate With Double Barb Wire Arm, Add	*44.32*	
32 31 13 13-0513	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	477.14	57.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.14*	
		For Gate With Single Barb Wire Arm, Add	*33.52*	
		For Gate With Double Barb Wire Arm, Add	*48.76*	
32 31 13 13-0514	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	526.22	64.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.33*	
		For Gate With Single Barb Wire Arm, Add	*36.57*	
		For Gate With Double Barb Wire Arm, Add	*53.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	724.87	75.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.49*	
		For Gate With Single Barb Wire Arm, Add	*54.85*	
		For Gate With Double Barb Wire Arm, Add	*79.78*	
32 31 13 13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	841.93	81.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.19*	
		For Gate With Single Barb Wire Arm, Add	*65.82*	
		For Gate With Double Barb Wire Arm, Add	*95.74*	
32 31 13 13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	962.03	87.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.89*	
		For Gate With Single Barb Wire Arm, Add	*76.79*	
		For Gate With Double Barb Wire Arm, Add	*111.69*	
32 31 13 13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,085.64	95.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.59*	
		For Gate With Single Barb Wire Arm, Add	*87.76*	
		For Gate With Double Barb Wire Arm, Add	*127.65*	
32 31 13 13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,214.27	105.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.29*	
		For Gate With Single Barb Wire Arm, Add	*98.73*	
		For Gate With Double Barb Wire Arm, Add	*143.60*	
32 31 13 13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,349.02	117.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-186.99*	
		For Gate With Single Barb Wire Arm, Add	*109.70*	
		For Gate With Double Barb Wire Arm, Add	*159.56*	
32 31 13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,492.91	131.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-205.68*	
		For Gate With Single Barb Wire Arm, Add	*120.67*	
		For Gate With Double Barb Wire Arm, Add	*175.52*	
32 31 13 13-0522	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,648.90	150.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.38*	
		For Gate With Single Barb Wire Arm, Add	*131.64*	
		For Gate With Double Barb Wire Arm, Add	*191.47*	
32 31 13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,824.34	175.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.08*	
		For Gate With Single Barb Wire Arm, Add	*142.61*	
		For Gate With Double Barb Wire Arm, Add	*207.43*	
32 31 13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,029.08	210.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-261.78*	
		For Gate With Single Barb Wire Arm, Add	*153.58*	
		For Gate With Double Barb Wire Arm, Add	*223.39*	
32 31 13 13-0525	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,287.73	263.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.48*	
		For Gate With Single Barb Wire Arm, Add	*164.55*	
		For Gate With Double Barb Wire Arm, Add	*239.34*	

32 31 13 13-0526 12' Fence Height *(32 31 13 13-0405)*

32 31 13 13-0527	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	268.05	31.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.60*	
		For Gate With Single Barb Wire Arm, Add	*19.12*	
		For Gate With Double Barb Wire Arm, Add	*27.82*	
32 31 13 13-0528	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.84	31.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.43*	
		For Gate With Single Barb Wire Arm, Add	*25.48*	
		For Gate With Double Barb Wire Arm, Add	*37.06*	
32 31 13 13-0529	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	372.28	32.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.49*	
		For Gate With Single Barb Wire Arm, Add	*30.21*	
		For Gate With Double Barb Wire Arm, Add	*43.94*	
32 31 13 13-0530	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	431.75	40.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.21*	
		For Gate With Single Barb Wire Arm, Add	*34.15*	
		For Gate With Double Barb Wire Arm, Add	*49.67*	
32 31 13 13-0531	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	495.20	48.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-65.67*	
		For Gate With Single Barb Wire Arm, Add	*38.53*	
		For Gate With Double Barb Wire Arm, Add	*56.04*	
32 31 13 13-0532	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	557.90	55.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.13*	
		For Gate With Single Barb Wire Arm, Add	*42.90*	
		For Gate With Double Barb Wire Arm, Add	*62.41*	
32 31 13 13-0533	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	621.34	63.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.60*	
		For Gate With Single Barb Wire Arm, Add	*47.28*	
		For Gate With Double Barb Wire Arm, Add	*68.77*	
32 31 13 13-0534	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	680.82	71.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.31*	
		For Gate With Single Barb Wire Arm, Add	*51.22*	
		For Gate With Double Barb Wire Arm, Add	*74.51*	
32 31 13 13-0535	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	949.54	83.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.92*	
		For Gate With Single Barb Wire Arm, Add	*76.81*	
		For Gate With Double Barb Wire Arm, Add	*111.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,131.20	90.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.37*	
		For Gate With Single Barb Wire Arm, Add	*94.67*	
		For Gate With Double Barb Wire Arm, Add	*137.70*	
32 31 13 13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,298.15	97.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.41*	
		For Gate With Single Barb Wire Arm, Add	*110.54*	
		For Gate With Double Barb Wire Arm, Add	*160.78*	
32 31 13 13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,468.02	106.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.28*	
		For Gate With Single Barb Wire Arm, Add	*126.30*	
		For Gate With Double Barb Wire Arm, Add	*183.70*	
32 31 13 13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,641.45	117.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.79*	
		For Gate With Single Barb Wire Arm, Add	*141.85*	
		For Gate With Double Barb Wire Arm, Add	*206.32*	
32 31 13 13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,823.52	130.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-268.65*	
		For Gate With Single Barb Wire Arm, Add	*157.61*	
		For Gate With Double Barb Wire Arm, Add	*229.25*	
32 31 13 13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,015.99	146.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-295.52*	
		For Gate With Single Barb Wire Arm, Add	*173.37*	
		For Gate With Double Barb Wire Arm, Add	*252.17*	
32 31 13 13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,221.80	167.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-322.38*	
		For Gate With Single Barb Wire Arm, Add	*189.13*	
		For Gate With Double Barb Wire Arm, Add	*275.10*	
32 31 13 13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,453.97	195.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.14*	
		For Gate With Single Barb Wire Arm, Add	*205.42*	
		For Gate With Double Barb Wire Arm, Add	*298.79*	
32 31 13 13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,713.94	234.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-377.01*	
		For Gate With Single Barb Wire Arm, Add	*221.18*	
		For Gate With Double Barb Wire Arm, Add	*321.71*	
32 31 13 13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,033.81	293.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.87*	
		For Gate With Single Barb Wire Arm, Add	*236.94*	
		For Gate With Double Barb Wire Arm, Add	*344.64*	

32 31 13 13-0546 Sliding Gate *(32 31 13 13-0263)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0547 4' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0548	EA	10' Long x 4' High Sliding Gate	1,702.88	289.16
		For Gate With Barb Wire Arm, Add	*123.70*	
		For Vinyl Coated, Add	*337.35*	
32 31 13 13-0549	EA	12' Long x 4' High Sliding Gate	2,047.56	349.11
		For Gate With Barb Wire Arm, Add	*148.44*	
		For Vinyl Coated, Add	*404.83*	
32 31 13 13-0550	EA	14' Long x 4' High Sliding Gate	2,388.97	407.29
		For Gate With Barb Wire Arm, Add	*173.18*	
		For Vinyl Coated, Add	*472.30*	
32 31 13 13-0551	EA	16' Long x 4' High Sliding Gate	2,735.47	468.13
		For Gate With Barb Wire Arm, Add	*197.92*	
		For Vinyl Coated, Add	*539.77*	
32 31 13 13-0552	EA	18' Long x 4' High Sliding Gate	3,077.43	526.65
		For Gate With Barb Wire Arm, Add	*222.65*	
		For Vinyl Coated, Add	*607.24*	
32 31 13 13-0553	EA	20' Long x 4' High Sliding Gate	3,408.59	579.75
		For Gate With Barb Wire Arm, Add	*247.39*	
		For Vinyl Coated, Add	*674.71*	
32 31 13 13-0554	EA	24' Long x 4' High Sliding Gate	4,075.32	698.14
		For Gate With Barb Wire Arm, Add	*294.69*	
		For Vinyl Coated, Add	*803.71*	
32 31 13 13-0555	EA	30' Long x 4' High Sliding Gate	6,009.14	1,317.80
		For Gate With Barb Wire Arm, Add	*371.09*	
		For Vinyl Coated, Add	*1,012.07*	
32 31 13 13-0556	EA	40' Long x 4' High Sliding Gate	8,012.18	1,757.07
		For Gate With Barb Wire Arm, Add	*494.79*	
		For Vinyl Coated, Add	*1,349.42*	

32 31 13 13-0557 5' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0558	EA	10' Long x 5' High Sliding Gate	1,787.02	314.73
		For Gate With Barb Wire Arm, Add	*127.33*	
		For Vinyl Coated, Add	*347.27*	
32 31 13 13-0559	EA	12' Long x 5' High Sliding Gate	2,143.54	377.27
		For Gate With Barb Wire Arm, Add	*152.80*	
		For Vinyl Coated, Add	*416.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0560	EA	14' Long x 5' High Sliding Gate	2,500.65	440.07
		For Gate With Barb Wire Arm, Add	*178.27*	
		For Vinyl Coated, Add	*486.18*	
32 31 13 13-0561	EA	16' Long x 5' High Sliding Gate	2,858.13	503.05
		For Gate With Barb Wire Arm, Add	*203.73*	
		For Vinyl Coated, Add	*555.63*	
32 31 13 13-0562	EA	18' Long x 5' High Sliding Gate	3,215.19	565.76
		For Gate With Barb Wire Arm, Add	*229.20*	
		For Vinyl Coated, Add	*625.09*	
32 31 13 13-0563	EA	20' Long x 5' High Sliding Gate	3,572.47	628.65
		For Gate With Barb Wire Arm, Add	*254.66*	
		For Vinyl Coated, Add	*694.54*	
32 31 13 13-0564	EA	24' Long x 5' High Sliding Gate	4,268.30	755.25
		For Gate With Barb Wire Arm, Add	*303.36*	
		For Vinyl Coated, Add	*827.33*	
32 31 13 13-0565	EA	30' Long x 5' High Sliding Gate	5,359.04	943.21
		For Gate With Barb Wire Arm, Add	*382.00*	
		For Vinyl Coated, Add	*1,041.81*	
32 31 13 13-0566	EA	40' Long x 5' High Sliding Gate	7,144.95	1,257.32
		For Gate With Barb Wire Arm, Add	*509.33*	
		For Vinyl Coated, Add	*1,389.08*	

32 31 13 13-0567 6' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0568	EA	10' Long x 6' High Sliding Gate	1,918.60	368.98
		For Gate With Barb Wire Arm, Add	*129.88*	
		For Vinyl Coated, Add	*354.21*	
32 31 13 13-0569	EA	12' Long x 6' High Sliding Gate	2,299.73	441.40
		For Gate With Barb Wire Arm, Add	*155.85*	
		For Vinyl Coated, Add	*425.05*	
32 31 13 13-0570	EA	14' Long x 6' High Sliding Gate	2,682.84	514.90
		For Gate With Barb Wire Arm, Add	*181.83*	
		For Vinyl Coated, Add	*495.89*	
32 31 13 13-0571	EA	16' Long x 6' High Sliding Gate	3,066.30	588.57
		For Gate With Barb Wire Arm, Add	*207.80*	
		For Vinyl Coated, Add	*566.74*	
32 31 13 13-0572	EA	18' Long x 6' High Sliding Gate	3,449.42	662.07
		For Gate With Barb Wire Arm, Add	*233.78*	
		For Vinyl Coated, Add	*637.58*	
32 31 13 13-0573	EA	20' Long x 6' High Sliding Gate	3,837.50	738.06
		For Gate With Barb Wire Arm, Add	*259.75*	
		For Vinyl Coated, Add	*708.42*	
32 31 13 13-0574	EA	24' Long x 6' High Sliding Gate	4,578.66	882.90
		For Gate With Barb Wire Arm, Add	*309.42*	
		For Vinyl Coated, Add	*843.87*	
32 31 13 13-0575	EA	30' Long x 6' High Sliding Gate	5,749.86	1,103.92
		For Gate With Barb Wire Arm, Add	*389.63*	
		For Vinyl Coated, Add	*1,062.63*	
32 31 13 13-0576	EA	40' Long x 6' High Sliding Gate	7,665.26	1,471.20
		For Gate With Barb Wire Arm, Add	*519.51*	
		For Vinyl Coated, Add	*1,416.84*	

32 31 13 13-0577 7' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0578	EA	10' Long x 7' High Sliding Gate	2,050.09	411.57
		For Gate With Barb Wire Arm, Add	*134.97*	
		For Vinyl Coated, Add	*368.09*	
32 31 13 13-0579	EA	12' Long x 7' High Sliding Gate	2,459.48	493.52
		For Gate With Barb Wire Arm, Add	*161.97*	
		For Vinyl Coated, Add	*441.72*	
32 31 13 13-0580	EA	14' Long x 7' High Sliding Gate	2,870.18	576.18
		For Gate With Barb Wire Arm, Add	*188.95*	
		For Vinyl Coated, Add	*515.33*	
32 31 13 13-0581	EA	16' Long x 7' High Sliding Gate	3,279.50	658.15
		For Gate With Barb Wire Arm, Add	*215.95*	
		For Vinyl Coated, Add	*588.95*	
32 31 13 13-0582	EA	18' Long x 7' High Sliding Gate	3,689.56	740.55
		For Gate With Barb Wire Arm, Add	*242.94*	
		For Vinyl Coated, Add	*662.57*	
32 31 13 13-0583	EA	20' Long x 7' High Sliding Gate	4,099.06	822.59
		For Gate With Barb Wire Arm, Add	*269.93*	
		For Vinyl Coated, Add	*736.19*	
32 31 13 13-0584	EA	24' Long x 7' High Sliding Gate	4,897.27	987.03
		For Gate With Barb Wire Arm, Add	*321.54*	
		For Vinyl Coated, Add	*876.94*	
32 31 13 13-0585	EA	30' Long x 7' High Sliding Gate	6,148.57	1,233.80
		For Gate With Barb Wire Arm, Add	*404.90*	
		For Vinyl Coated, Add	*1,104.27*	
32 31 13 13-0586	EA	40' Long x 7' High Sliding Gate	8,198.11	1,645.09
		For Gate With Barb Wire Arm, Add	*539.87*	
		For Vinyl Coated, Add	*1,472.36*	

32 31 13 13-0587 8' High Sliding Gate *(32 31 13 13-0546)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0588	EA	10' Long x 8' High Sliding Gate	2,155.05	445.85
		For Gate With Barb Wire Arm, Add	*138.97*	
		For Vinyl Coated, Add	*379.00*	
32 31 13 13-0589	EA	12' Long x 8' High Sliding Gate	2,583.50	533.79
		For Gate With Barb Wire Arm, Add	*166.76*	
		For Vinyl Coated, Add	*454.80*	
32 31 13 13-0590	EA	14' Long x 8' High Sliding Gate	3,014.12	622.77
		For Gate With Barb Wire Arm, Add	*194.55*	
		For Vinyl Coated, Add	*530.60*	
32 31 13 13-0591	EA	16' Long x 8' High Sliding Gate	3,444.94	711.77
		For Gate With Barb Wire Arm, Add	*222.35*	
		For Vinyl Coated, Add	*606.40*	
32 31 13 13-0592	EA	18' Long x 8' High Sliding Gate	3,874.74	800.41
		For Gate With Barb Wire Arm, Add	*250.14*	
		For Vinyl Coated, Add	*682.19*	
32 31 13 13-0593	EA	20' Long x 8' High Sliding Gate	4,305.64	889.49
		For Gate With Barb Wire Arm, Add	*277.93*	
		For Vinyl Coated, Add	*758.00*	
32 31 13 13-0594	EA	24' Long x 8' High Sliding Gate	5,144.74	1,067.47
		For Gate With Barb Wire Arm, Add	*331.07*	
		For Vinyl Coated, Add	*902.92*	
32 31 13 13-0595	EA	30' Long x 8' High Sliding Gate	6,459.12	1,334.55
		For Gate With Barb Wire Arm, Add	*416.90*	
		For Vinyl Coated, Add	*1,136.99*	
32 31 13 13-0596	EA	40' Long x 8' High Sliding Gate	8,609.50	1,778.09
		For Gate With Barb Wire Arm, Add	*555.86*	
		For Vinyl Coated, Add	*1,515.99*	

32 31 13 13-0597 9' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0598	EA	10' Long x 9' High Sliding Gate	2,279.07	486.39
		For Gate With Barb Wire Arm, Add	*143.69*	
		For Vinyl Coated, Add	*391.89*	
32 31 13 13-0599	EA	12' Long x 9' High Sliding Gate	2,731.27	581.89
		For Gate With Barb Wire Arm, Add	*172.43*	
		For Vinyl Coated, Add	*470.27*	
32 31 13 13-0600	EA	14' Long x 9' High Sliding Gate	3,186.27	678.72
		For Gate With Barb Wire Arm, Add	*201.17*	
		For Vinyl Coated, Add	*548.64*	
32 31 13 13-0601	EA	16' Long x 9' High Sliding Gate	3,642.03	776.00
		For Gate With Barb Wire Arm, Add	*229.91*	
		For Vinyl Coated, Add	*627.02*	
32 31 13 13-0602	EA	18' Long x 9' High Sliding Gate	4,097.19	872.93
		For Gate With Barb Wire Arm, Add	*258.65*	
		For Vinyl Coated, Add	*705.40*	
32 31 13 13-0603	EA	20' Long x 9' High Sliding Gate	4,552.32	969.84
		For Gate With Barb Wire Arm, Add	*287.38*	
		For Vinyl Coated, Add	*783.77*	
32 31 13 13-0604	EA	24' Long x 9' High Sliding Gate	5,439.53	1,163.69
		For Gate With Barb Wire Arm, Add	*342.33*	
		For Vinyl Coated, Add	*933.63*	
32 31 13 13-0605	EA	30' Long x 9' High Sliding Gate	6,827.70	1,454.46
		For Gate With Barb Wire Arm, Add	*431.08*	
		For Vinyl Coated, Add	*1,175.66*	
32 31 13 13-0606	EA	40' Long x 9' High Sliding Gate	9,106.78	1,940.85
		For Gate With Barb Wire Arm, Add	*574.77*	
		For Vinyl Coated, Add	*1,567.55*	

32 31 13 13-0607 10' High Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0608	EA	10' Long x 10' High Sliding Gate	2,432.54	535.03
		For Gate With Barb Wire Arm, Add	*149.87*	
		For Vinyl Coated, Add	*408.74*	
32 31 13 13-0609	EA	12' Long x 10' High Sliding Gate	2,919.04	642.02
		For Gate With Barb Wire Arm, Add	*179.85*	
		For Vinyl Coated, Add	*490.49*	
32 31 13 13-0610	EA	14' Long x 10' High Sliding Gate	3,405.92	749.18
		For Gate With Barb Wire Arm, Add	*209.82*	
		For Vinyl Coated, Add	*572.24*	
32 31 13 13-0611	EA	16' Long x 10' High Sliding Gate	3,892.27	856.17
		For Gate With Barb Wire Arm, Add	*239.80*	
		For Vinyl Coated, Add	*653.99*	
32 31 13 13-0612	EA	18' Long x 10' High Sliding Gate	4,378.56	963.08
		For Gate With Barb Wire Arm, Add	*269.77*	
		For Vinyl Coated, Add	*735.74*	
32 31 13 13-0613	EA	20' Long x 10' High Sliding Gate	4,865.08	1,070.07
		For Gate With Barb Wire Arm, Add	*299.74*	
		For Vinyl Coated, Add	*817.49*	
32 31 13 13-0614	EA	24' Long x 10' High Sliding Gate	5,815.03	1,284.57
		For Gate With Barb Wire Arm, Add	*357.05*	
		For Vinyl Coated, Add	*973.79*	
32 31 13 13-0615	EA	30' Long x 10' High Sliding Gate	7,297.62	1,605.09
		For Gate With Barb Wire Arm, Add	*449.62*	
		For Vinyl Coated, Add	*1,226.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0616	EA	40' Long x 10' High Sliding Gate	9,727.58	2,138.88
		For Gate With Barb Wire Arm, Add	*599.49*	
		For Vinyl Coated, Add	*1,634.97*	

32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0263)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 13-0618	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	2,560.39	356.33
		For Gate With Single Barb Wire Arm, Add	*203.25*	
		For Gate With Double Barb Wire Arm, Add	*295.64*	
		For Aluminized Steel Gate And Post, Add	*886.91*	
		For Powder Coated Gate And Post, Add	*388.02*	
		For Vinyl Coated, Add	*554.32*	
32 31 13 13-0619	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	2,864.33	445.42
		For Gate With Single Barb Wire Arm, Add	*217.09*	
		For Gate With Double Barb Wire Arm, Add	*315.76*	
		For Aluminized Steel Gate And Post, Add	*947.28*	
		For Powder Coated Gate And Post, Add	*414.44*	
		For Vinyl Coated, Add	*592.05*	
32 31 13 13-0620	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	3,170.01	534.49
		For Gate With Single Barb Wire Arm, Add	*231.11*	
		For Gate With Double Barb Wire Arm, Add	*336.16*	
		For Aluminized Steel Gate And Post, Add	*1,008.48*	
		For Powder Coated Gate And Post, Add	*441.21*	
		For Vinyl Coated, Add	*630.30*	
32 31 13 13-0621	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	3,806.47	712.67
		For Gate With Single Barb Wire Arm, Add	*261.93*	
		For Gate With Double Barb Wire Arm, Add	*380.98*	
		For Aluminized Steel Gate And Post, Add	*1,142.95*	
		For Powder Coated Gate And Post, Add	*500.04*	
		For Vinyl Coated, Add	*714.35*	
32 31 13 13-0622	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	3,589.12	712.67
		For Gate With Single Barb Wire Arm, Add	*238.02*	
		For Gate With Double Barb Wire Arm, Add	*346.21*	
		For Aluminized Steel Gate And Post, Add	*1,038.62*	
		For Powder Coated Gate And Post, Add	*454.40*	
		For Vinyl Coated, Add	*649.14*	
32 31 13 13-0623	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	4,307.61	935.37
		For Gate With Single Barb Wire Arm, Add	*268.06*	
		For Gate With Double Barb Wire Arm, Add	*389.90*	
		For Aluminized Steel Gate And Post, Add	*1,169.70*	
		For Powder Coated Gate And Post, Add	*511.74*	
		For Vinyl Coated, Add	*731.06*	
32 31 13 13-0624	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	5,628.21	1,158.07
		For Gate With Single Barb Wire Arm, Add	*364.33*	
		For Gate With Double Barb Wire Arm, Add	*529.93*	
		For Aluminized Steel Gate And Post, Add	*1,589.78*	
		For Powder Coated Gate And Post, Add	*695.53*	
		For Vinyl Coated, Add	*993.62*	
32 31 13 13-0625	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	6,416.83	1,380.79
		For Gate With Single Barb Wire Arm, Add	*402.08*	
		For Gate With Double Barb Wire Arm, Add	*584.84*	
		For Aluminized Steel Gate And Post, Add	*1,754.52*	
		For Powder Coated Gate And Post, Add	*767.60*	
		For Vinyl Coated, Add	*1,096.58*	
32 31 13 13-0626	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	4,257.27	890.83
		For Gate With Single Barb Wire Arm, Add	*272.32*	
		For Gate With Double Barb Wire Arm, Add	*396.10*	
		For Aluminized Steel Gate And Post, Add	*1,188.30*	
		For Powder Coated Gate And Post, Add	*519.88*	
		For Vinyl Coated, Add	*742.69*	
32 31 13 13-0627	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	5,192.80	1,202.62
		For Gate With Single Barb Wire Arm, Add	*306.63*	
		For Gate With Double Barb Wire Arm, Add	*446.01*	
		For Aluminized Steel Gate And Post, Add	*1,338.03*	
		For Powder Coated Gate And Post, Add	*585.39*	
		For Vinyl Coated, Add	*836.27*	
32 31 13 13-0628	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	6,817.50	1,514.41
		For Gate With Single Barb Wire Arm, Add	*416.76*	
		For Gate With Double Barb Wire Arm, Add	*606.19*	
		For Aluminized Steel Gate And Post, Add	*1,818.57*	
		For Powder Coated Gate And Post, Add	*795.62*	
		For Vinyl Coated, Add	*1,136.61*	
32 31 13 13-0629	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	7,744.13	1,781.65
		For Gate With Single Barb Wire Arm, Add	*459.89*	
		For Gate With Double Barb Wire Arm, Add	*668.93*	
		For Aluminized Steel Gate And Post, Add	*2,006.79*	
		For Powder Coated Gate And Post, Add	*877.97*	
		For Vinyl Coated, Add	*1,254.24*	

32 31 13 13-0630 Gate Accessories *(32 31 13 13-0263)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0631	EA	Gate Center Stop, Cast Steel, Ground	20.92	
32 31 13 13-0632	EA	Gate Latch, Malleable Galvanized Steel	31.45	
32 31 13 13-0633	EA	Gate Keeper, Full Length, Galvanized Steel	138.35	
32 31 13 13-0634	EA	Gate Keeper Hold-Open For Cantilever Gate	71.57	14.49
32 31 13 13-0635	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	40.54	
32 31 13 13-0636	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	779.18	
32 31 13 13-0637	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	835.29	
32 31 13 13-0638	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	891.40	

32 31 13 13-0639 Tube Gate *(32 31 13 13-0263)*

32 31 13 13-0640 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate *(32 31 13 13-0639)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes bollard and chain.

32 31 13 13-0641	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	129.08	20.60
		For 13 Gauge Tubing, Add	*19.71*	
		For Galvanized Finish, Add	*10.21*	
32 31 13 13-0642	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	168.01	26.70
		For 13 Gauge Tubing, Add	*25.59*	
		For Galvanized Finish, Add	*13.19*	
32 31 13 13-0643	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	225.20	34.33
		For 13 Gauge Tubing, Add	*34.74*	
		For Galvanized Finish, Add	*18.33*	
32 31 13 13-0644	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	262.93	42.72
		For 13 Gauge Tubing, Add	*39.62*	
		For Galvanized Finish, Add	*19.98*	
32 31 13 13-0645	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	311.55	50.81
		For 13 Gauge Tubing, Add	*47.05*	
		For Galvanized Finish, Add	*23.84*	
32 31 13 13-0646	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	341.64	57.22
		For 13 Gauge Tubing, Add	*51.16*	
		For Galvanized Finish, Add	*25.50*	
32 31 13 13-0647	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	400.20	66.00
		For 13 Gauge Tubing, Add	*60.20*	
		For Galvanized Finish, Add	*30.27*	

32 31 13 13-0648 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 13 13-0639)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.

32 31 13 13-0649	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	163.29	20.60
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*40.90*	
32 31 13 13-0650	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	197.46	26.70
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*46.94*	
32 31 13 13-0651	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	238.10	34.33
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*54.04*	
32 31 13 13-0652	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	277.61	42.72
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*59.16*	
32 31 13 13-0653	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	316.47	50.81
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*65.55*	
32 31 13 13-0654	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	351.35	57.22
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*71.88*	
32 31 13 13-0655	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	394.42	66.00
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*78.42*	
32 31 13 13-0656	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	452.35	74.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*90.91*	
32 31 13 13-0657	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	497.53	83.08
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*107.46*	

32 31 13 13-0658 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 13 13-0639)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.

32 31 13 13-0659	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	175.27	20.60
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*45.70*	
32 31 13 13-0660	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	209.24	26.70
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*51.65*	
32 31 13 13-0661	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	246.09	34.33
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*57.24*	
32 31 13 13-0662	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	289.26	42.72
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*63.82*	
32 31 13 13-0663	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	324.89	50.81
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*68.92*	
32 31 13 13-0664	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	371.01	57.22
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*79.74*	
32 31 13 13-0665	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	415.76	66.00
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*86.96*	
32 31 13 13-0666	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	484.91	74.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*103.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0667	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	526.81	83.08
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*119.17*	

32 31 13 13-0668 Tubular Steel Barrier Gate (Triangular Shape) *(32 31 13 13-0639)*

Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.

32 31 13 13-0669	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	1,309.73	42.72
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*403.68*	
32 31 13 13-0670	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	1,422.62	50.81
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*431.65*	
32 31 13 13-0671	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	1,688.09	57.22
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*522.58*	
32 31 13 13-0672	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	1,332.16	42.72
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*412.41*	
32 31 13 13-0673	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	1,448.24	50.81
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*441.64*	
32 31 13 13-0674	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	1,713.71	57.22
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*532.56*	

32 31 13 13-0675 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 13 13-0639)*

Note: Excludes augering holes and concrete.

32 31 13 13-0676	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	330.12	20.60
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*22.18*	

32 31 13 13-0677 Tubular Horse Gate *(32 31 13 13-0639)*

Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.

32 31 13 13-0678	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	2,610.70	20.60
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*754.36*	

32 31 13 13-0679 Pipe Gate *(32 31 13 13-0263)*

32 31 13 13-0680	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	2,297.07	
32 31 13 13-0681	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	2,866.51	
32 31 13 13-0682	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	3,411.19	

32 31 13 13-0683 Vertical-Pivot Lift Gate *(32 31 13 13-0263)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0684	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	9,169.28	668.12
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0685	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	9,436.53	801.74
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0686	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	9,703.78	935.37
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0687	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	10,069.25	1,069.00
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0688	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	10,429.80	1,202.62
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0689	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	9,761.68	868.56
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0690	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	10,028.94	1,002.18
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0691	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	10,296.18	1,135.81
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0692	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	10,617.46	1,269.43
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0693	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	11,022.21	1,403.05
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

32 31 13 13-0694 Accessories *(32 31 13 13)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0695		Barbed And Concertina Wire *(32 31 13 13-0694)*		
32 31 13 13-0696		Single Strand Barbed Wire *(32 31 13 13-0695)*		
32 31 13 13-0697	LF	Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	0.82	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 13-0698	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	0.91	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.13*	
32 31 13 13-0699	EA	Barbed Wire Extension Arms 3 Strands (Single Arm)	8.53	6.10
32 31 13 13-0700	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	13.30	7.32
32 31 13 13-0701	EA	Barbed Wire Eye Tops (For Single Strand)	9.04	6.10
32 31 13 13-0702		Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0695)*		
32 31 13 13-0703	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	2.72	0.53
		For >500 To 1,500, Deduct	*-0.24*	
		For >1,500 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.70*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*1.96*	
32 31 13 13-0704	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.09	0.53
		For >500 To 1,500, Deduct	*-0.36*	
		For >1,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.05*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*2.95*	
32 31 13 13-0705	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.43	0.53
		For >500 To 1,500, Deduct	*-0.48*	
		For >1,500 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.39*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*3.91*	
32 31 13 13-0706	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.37	0.53
		For >500 To 1,500, Deduct	*-0.30*	
		For >1,500 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.84*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*2.52*	
32 31 13 13-0707	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.06	0.53
		For >500 To 1,500, Deduct	*-0.44*	
		For >1,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.27*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*3.79*	
32 31 13 13-0708	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.70	0.53
		For >500 To 1,500, Deduct	*-0.59*	
		For >1,500 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.68*	
		For Ground Installation, Deduct	*-0.84*	
		For Double Coil (Helix), Add	*5.02*	
32 31 13 13-0709	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.44	0.53
		For >500 To 1,500, Deduct	*-0.68*	
		For >1,500 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-1.88*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*7.49*	
32 31 13 13-0710	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.77	0.53
		For >500 To 1,500, Deduct	*-1.03*	
		For >1,500 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-2.84*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*11.34*	
32 31 13 13-0711	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	16.90	0.53
		For >500 To 1,500, Deduct	*-1.36*	
		For >1,500 To 5,000, Deduct	*-2.73*	
		For >5,000, Deduct	*-3.76*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*14.99*	
32 31 13 13-0712		Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0695)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0713	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.43	0.53
		For >500 To 1,500, Deduct	*-0.30*	
		For >1,500 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.84*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*2.67*	
32 31 13 13-0714	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.18	0.53
		For >500 To 1,500, Deduct	*-0.45*	
		For >1,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.27*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*4.04*	
32 31 13 13-0715	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.86	0.53
		For >500 To 1,500, Deduct	*-0.59*	
		For >1,500 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.68*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*5.34*	
32 31 13 13-0716	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.32	0.53
		For >500 To 1,500, Deduct	*-0.37*	
		For >1,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.03*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*3.47*	
32 31 13 13-0717	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.51	0.53
		For >500 To 1,500, Deduct	*-0.55*	
		For >1,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.56*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*5.24*	
32 31 13 13-0718	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	8.61	0.53
		For >500 To 1,500, Deduct	*-0.73*	
		For >1,500 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.06*	
		For Ground Installation, Deduct	*-0.84*	
		For Double Coil (Helix), Add	*6.93*	
32 31 13 13-0719	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.04	0.53
		For >500 To 1,500, Deduct	*-0.95*	
		For >1,500 To 5,000, Deduct	*-1.90*	
		For >5,000, Deduct	*-2.60*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*11.09*	
32 31 13 13-0720	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	18.23	0.53
		For >500 To 1,500, Deduct	*-1.44*	
		For >1,500 To 5,000, Deduct	*-2.88*	
		For >5,000, Deduct	*-3.93*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*16.80*	
32 31 13 13-0721	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	24.11	0.53
		For >500 To 1,500, Deduct	*-1.90*	
		For >1,500 To 5,000, Deduct	*-3.81*	
		For >5,000, Deduct	*-5.20*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*22.20*	
32 31 13 13-0722		**Grounding For Gates** *(32 31 13 13-0694)* Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0723	OPN	Grounding For Gates (Per Opening)	377.48	
32 31 13 13-0724		**Coiled Spring Reinforcing Wire** *(32 31 13 13-0694)*		
32 31 13 13-0725		**Galvanized Steel** *(32 31 13 13-0724)*		
32 31 13 13-0726	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.90	0.38
32 31 13 13-0727		**Vinyl Coated Steel** *(32 31 13 13-0724)*		
32 31 13 13-0728	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.90	0.38
32 31 13 13-0729		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0694)* Note: Only where specified.		
32 31 13 13-0730	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.21	
32 31 13 13-0731	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.06	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0732		Mounting Plate With Anchors Or Bolts *(32 31 13 13-0694)*		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0733	EA	Mounting Plate For 1-5/8" Diameter Post	29.25	
32 31 13 13-0734	EA	Mounting Plate For 2" Diameter Post	29.68	
32 31 13 13-0735	EA	Mounting Plate For 2-1/2" Diameter Post	30.58	
32 31 13 13-0736	EA	Mounting Plate For 3" Diameter Post	36.48	
32 31 13 13-0737	EA	Mounting Plate For 4" Diameter Post	41.71	
32 31 13 13-0738	EA	Mounting Plate For 6-5/8" Diameter Post	48.02	
32 31 13 13-0739	EA	Mounting Plate For 8-5/8" Diameter Post	56.32	
32 31 13 13-0740		Tension Bar *(32 31 13 13-0694)*		
32 31 13 13-0741	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	10.60	
32 31 13 13-0742	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.25	
32 31 13 13-0743	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	13.43	
32 31 13 13-0744	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	15.39	
32 31 13 13-0745	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.92	
32 31 13 13-0746	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	20.55	
32 31 13 13-0747	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	23.16	
32 31 13 13-0748	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	27.44	
32 31 13 13-0749	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	32.76	
32 31 13 13-0750		Truss Rods *(32 31 13 13-0694)*		
32 31 13 13-0751	LF	3/8" Diameter Truss Rods	1.46	0.43
32 31 13 13-0752		Fence And Gate Repair And Replacement *(32 31 13 13)*		
32 31 13 13-0753		Fence And Gate Parts Replacement *(32 31 13 13-0752)*		
32 31 13 13-0754	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	87.56	
32 31 13 13-0755	EA	Sliding Gate Roller Assembly Replacement	87.34	
32 31 13 13-0756	EA	Rod And Lock Gate Keeper Replacement	86.26	
32 31 13 13-0757	EA	Galvanized Gate Holdback Replacement	20.18	
32 31 13 13-0758	LF	3/8" Cross Bracing Rod Replacement	1.13	
32 31 13 13-0759	LF	1-5/8" Diagonal Pipe Bracing Replacement	1.74	
32 31 13 13-0760	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	14.12	
32 31 13 13-0761	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	15.92	
32 31 13 13-0762	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	17.80	
32 31 13 13-0763	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	34.71	
32 31 13 13-0764	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	42.01	
32 31 13 13-0765	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	18.39	
32 31 13 13-0766	EA	3" x 2" Off Set Gate Hinge Replacement	19.21	
32 31 13 13-0767	EA	4" x 2" Off Set Gate Hinge Replacement	20.52	
32 31 13 13-0768	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	32.47	
32 31 13 13-0769	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	50.08	
32 31 13 13-0770	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	4.18	
32 31 13 13-0771	EA	2" Aluminum Die-Cast Post Cap Replacement	4.58	
32 31 13 13-0772	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	5.27	
32 31 13 13-0773	EA	3" Aluminum Die-Cast Post Cap Replacement	6.07	
32 31 13 13-0774	EA	2" Galvanized Post Cap Replacement	4.78	
32 31 13 13-0775	EA	2-1/2" Galvanized Post Cap Replacement	5.18	
32 31 13 13-0776	EA	3" Galvanized Post Cap Replacement	5.91	
32 31 13 13-0777	EA	4" Galvanized Post Cap Replacement	8.51	
32 31 13 13-0778	EA	6-5/8" Galvanized Post Cap Replacement	15.26	
32 31 13 13-0779	EA	8-5/8" Galvanized Post Cap Replacement	24.71	
32 31 13 13-0780	EA	1-5/8" Boulevard Clamp Replacement	8.07	
32 31 13 13-0781	EA	2" Boulevard Clamp Replacement	9.82	
32 31 13 13-0782	EA	2-1/2" Boulevard Clamp Replacement	11.51	
32 31 13 13-0783	EA	3" Boulevard Clamp Replacement	13.98	
32 31 13 13-0784	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	7.94	
32 31 13 13-0785	EA	2" Gate Brace Or End Rail Clamp Replacement	9.63	
32 31 13 13-0786	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	11.32	
32 31 13 13-0787	EA	3" Gate Brace Or End Rail Clamp Replacement	13.78	
32 31 13 13-0788	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.22	
32 31 13 13-0789	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.28	
32 31 13 13-0790	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.45	
32 31 13 13-0791	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.37	
32 31 13 13-0792	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.49	
32 31 13 13-0793	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.59	
32 31 13 13-0794	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.89	
32 31 13 13-0795	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.00	
32 31 13 13-0796		Remove And Reinstall Chain Link Fences *(32 31 13 13)*		
		Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0797	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	15.26	
32 31 13 13-0798	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.89	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		Regulation Baseball Backstop *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	8,618.31	1,535.41
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	12,391.56	2,047.21
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	15,739.34	2,388.42
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	11,948.09	1,535.41
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	17,373.98	2,047.21
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	22,314.41	2,388.42
32 31 13 33-0008		Regulation Softball Backstop *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009		14' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation	7,423.11	1,549.24
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation	9,811.28	1,549.24
32 31 13 33-0012		18' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation	8,642.27	1,722.32
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	11,531.20	1,722.32
32 31 13 33-0015		20' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation	9,749.11	1,815.95
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	13,177.34	1,815.95
32 31 13 33-0018		22' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation	11,188.38	1,870.74
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	15,309.91	1,870.74
32 31 13 33-0021		24' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation	13,264.26	2,137.99
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	18,387.28	2,137.99
32 31 16		**Welded Wire Fences And Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.35	1.36
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.84	1.36
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.25	1.36
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.69	1.36
32 31 19		**Decorative Metal Fences And Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center *(32 31 19 00-0001)* Note: Factory primed.		
32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	36.70	8.39
		For Verticals Up To 2" On Center, Add	*3.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*1.99*	
		For Verticals >3" To 4" On Center, Deduct	*-1.99*	
		For Verticals >4" To 6" On Center, Deduct	*-3.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	47.01	10.69
		For Verticals Up To 2" On Center, Add	*5.28*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.64*	
		For Verticals >3" To 4" On Center, Deduct	*-2.64*	
		For Verticals >4" To 6" On Center, Deduct	*-5.28*	
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	55.72	11.14
		For Verticals Up To 2" On Center, Add	*6.66*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.33*	
		For Verticals >3" To 4" On Center, Deduct	*-3.33*	
		For Verticals >4" To 6" On Center, Deduct	*-6.66*	
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	67.43	13.42
		For Verticals Up To 2" On Center, Add	*8.10*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.05*	
		For Verticals >3" To 4" On Center, Deduct	*-4.05*	
		For Verticals >4" To 6" On Center, Deduct	*-8.10*	
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	78.79	14.21
		For Verticals Up To 2" On Center, Add	*10.07*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.04*	
		For Verticals >3" To 4" On Center, Deduct	*-5.04*	
		For Verticals >4" To 6" On Center, Deduct	*-10.07*	
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	90.12	14.95
		For Verticals Up To 2" On Center, Add	*12.04*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.02*	
		For Verticals >3" To 4" On Center, Deduct	*-6.02*	
		For Verticals >4" To 6" On Center, Deduct	*-12.04*	
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	109.41	16.79
		For Verticals Up To 2" On Center, Add	*15.17*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.58*	
		For Verticals >3" To 4" On Center, Deduct	*-7.58*	
		For Verticals >4" To 6" On Center, Deduct	*-15.17*	
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	129.21	19.08
		For Verticals Up To 2" On Center, Add	*18.21*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.11*	
		For Verticals >3" To 4" On Center, Deduct	*-9.11*	
		For Verticals >4" To 6" On Center, Deduct	*-18.21*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	45.14	10.22
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	59.23	12.67
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	72.27	15.26
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	87.80	18.31
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	117.13	20.29
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	141.46	22.43
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	165.35	25.48
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	55.12	9.16
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	72.31	11.44
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	87.88	13.74
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	106.44	16.48
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	142.68	18.31
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	172.61	20.15
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	202.11	22.89
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Replace Wrought Iron Picket	14.82	
32 31 19 00-0030	LF	Replace Wrought Iron Post	22.00	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	61.03	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	63.78	8.39
		For Verticals Up To 2" On Center, Add	*9.47*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.73*	
		For Verticals >3" To 4" On Center, Deduct	*-4.73*	
		For Verticals >4" To 6" On Center, Deduct	*-9.47*	
		For Solid Pickets, Add	*13.12*	
		For Aluminum With Satin Finish, Add	*11.73*	
		For Third Rail, Add	*3.55*	
		For 1" Square x 14 Gauge Pickets, Add	*11.83*	
		For 3" Square Posts, Add	*4.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	68.16	8.97
		For Verticals Up To 2" On Center, Add	*10.04*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.02*	
		For Verticals >3" To 4" On Center, Deduct	*-5.02*	
		For Verticals >4" To 6" On Center, Deduct	*-10.04*	
		For Solid Pickets, Add	*13.99*	
		For Aluminum With Satin Finish, Add	*12.37*	
		For Third Rail, Add	*3.77*	
		For 1" Square x 14 Gauge Pickets, Add	*12.55*	
		For 3" Square Posts, Add	*5.02*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	72.01	9.92
		For Verticals Up To 2" On Center, Add	*10.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.26*	
		For Verticals >3" To 4" On Center, Deduct	*-5.26*	
		For Verticals >4" To 6" On Center, Deduct	*-10.51*	
		For Solid Pickets, Add	*14.74*	
		For Aluminum With Satin Finish, Add	*12.86*	
		For Third Rail, Add	*3.94*	
		For 1" Square x 14 Gauge Pickets, Add	*13.14*	
		For 3" Square Posts, Add	*5.26*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	76.32	11.14
		For Verticals Up To 2" On Center, Add	*10.78*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.39*	
		For Verticals >3" To 4" On Center, Deduct	*-5.39*	
		For Verticals >4" To 6" On Center, Deduct	*-10.78*	
		For Solid Pickets, Add	*15.49*	
		For Aluminum With Satin Finish, Add	*12.80*	
		For Third Rail, Add	*4.04*	
		For 1" Square x 14 Gauge Pickets, Add	*13.47*	
		For 3" Square Posts, Add	*5.39*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	88.69	12.59
		For Verticals Up To 2" On Center, Add	*12.70*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.35*	
		For Verticals >3" To 4" On Center, Deduct	*-6.35*	
		For Verticals >4" To 6" On Center, Deduct	*-12.70*	
		For Solid Pickets, Add	*18.07*	
		For Aluminum With Satin Finish, Add	*15.28*	
		For Third Rail, Add	*4.76*	
		For 1" Square x 14 Gauge Pickets, Add	*15.88*	
		For 3" Square Posts, Add	*6.35*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	101.88	13.74
		For Verticals Up To 2" On Center, Add	*14.88*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.44*	
		For Verticals >3" To 4" On Center, Deduct	*-7.44*	
		For Verticals >4" To 6" On Center, Deduct	*-14.88*	
		For Solid Pickets, Add	*20.86*	
		For Aluminum With Satin Finish, Add	*18.20*	
		For Third Rail, Add	*5.58*	
		For 1" Square x 14 Gauge Pickets, Add	*18.60*	
		For 4" Square Posts, Add	*26.04*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	115.22	14.95
		For Verticals Up To 2" On Center, Add	*17.06*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.53*	
		For Verticals >3" To 4" On Center, Deduct	*-8.53*	
		For Verticals >4" To 6" On Center, Deduct	*-17.06*	
		For Solid Pickets, Add	*23.68*	
		For Aluminum With Satin Finish, Add	*21.11*	
		For Third Rail, Add	*6.40*	
		For 1" Square x 14 Gauge Pickets, Add	*21.33*	
		For 4" Square Posts, Add	*29.86*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	134.63	16.02
		For Verticals Up To 2" On Center, Add	*20.52*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.26*	
		For Verticals >3" To 4" On Center, Deduct	*-10.26*	
		For Verticals >4" To 6" On Center, Deduct	*-20.52*	
		For Solid Pickets, Add	*27.89*	
		For Aluminum With Satin Finish, Add	*25.97*	
		For Third Rail, Add	*7.69*	
		For 1" Square x 14 Gauge Pickets, Add	*25.65*	
		For 4" Square Posts, Add	*35.90*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	154.17	17.16
		For Verticals Up To 2" On Center, Add	*23.97*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.98*	
		For Verticals >3" To 4" On Center, Deduct	*-11.98*	
		For Verticals >4" To 6" On Center, Deduct	*-23.97*	
		For Solid Pickets, Add	*32.11*	
		For Aluminum With Satin Finish, Add	*30.80*	
		For Third Rail, Add	*8.99*	
		For 1" Square x 14 Gauge Pickets, Add	*29.96*	
		For 6" Square Posts, Add	*41.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	182.17	19.08
		For Verticals Up To 2" On Center, Add	*28.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.40*	
		For Verticals >3" To 4" On Center, Deduct	*-14.40*	
		For Verticals >4" To 6" On Center, Deduct	*-28.80*	
		For Solid Pickets, Add	*38.13*	
		For Aluminum With Satin Finish, Add	*37.48*	
		For Third Rail, Add	*10.80*	
		For 1" Square x 14 Gauge Pickets, Add	*36.01*	
		For 6" Square Posts, Add	*50.41*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	195.05	20.60
		For Verticals Up To 2" On Center, Add	*30.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*15.39*	
		For Verticals >3" To 4" On Center, Deduct	*-15.39*	
		For Verticals >4" To 6" On Center, Deduct	*-30.77*	
		For Solid Pickets, Add	*40.80*	
		For Aluminum With Satin Finish, Add	*39.98*	
		For Third Rail, Add	*11.54*	
		For 1" Square x 14 Gauge Pickets, Add	*38.46*	
		For 6" Square Posts, Add	*53.85*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	512.07	16.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*111.55*	
		For Aluminum With Satin Finish, Add	*131.65*	
		For Third Rail, Add	*34.74*	
		For 1" Square x 14 Gauge Pickets, Add	*46.32*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	569.59	17.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*124.32*	
		For Aluminum With Satin Finish, Add	*147.88*	
		For Third Rail, Add	*38.89*	
		For 1" Square x 14 Gauge Pickets, Add	*51.85*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	630.40	18.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*137.78*	
		For Aluminum With Satin Finish, Add	*164.74*	
		For Third Rail, Add	*43.22*	
		For 1" Square x 14 Gauge Pickets, Add	*57.62*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	663.08	19.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*144.84*	
		For Aluminum With Satin Finish, Add	*172.83*	
		For Third Rail, Add	*45.38*	
		For 1" Square x 14 Gauge Pickets, Add	*60.51*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	741.06	23.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*161.53*	
		For Aluminum With Satin Finish, Add	*191.08*	
		For Third Rail, Add	*50.37*	
		For 1" Square x 14 Gauge Pickets, Add	*67.16*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	788.93	26.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*171.44*	
		For Aluminum With Satin Finish, Add	*200.28*	
		For Third Rail, Add	*53.10*	
		For 1" Square x 14 Gauge Pickets, Add	*70.81*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	861.38	30.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*186.83*	
		For Aluminum With Satin Finish, Add	*216.53*	
		For Third Rail, Add	*57.62*	
		For 1" Square x 14 Gauge Pickets, Add	*76.83*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	924.30	34.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*200.13*	
		For Aluminum With Satin Finish, Add	*230.26*	
		For Third Rail, Add	*61.48*	
		For 1" Square x 14 Gauge Pickets, Add	*81.98*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	979.69	38.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*211.73*	
		For Aluminum With Satin Finish, Add	*241.72*	
		For Third Rail, Add	*64.78*	
		For 1" Square x 14 Gauge Pickets, Add	*86.37*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,070.47	32.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*233.53*	
		For Aluminum With Satin Finish, Add	*277.19*	
		For Third Rail, Add	*72.96*	
		For 1" Square x 14 Gauge Pickets, Add	*97.28*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,140.46	34.03
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*248.94*	
		For Aluminum With Satin Finish, Add	*296.13*	
		For Third Rail, Add	*77.87*	
		For 1" Square x 14 Gauge Pickets, Add	*103.82*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,260.80	36.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*275.55*	
		For Aluminum With Satin Finish, Add	*329.49*	
		For Third Rail, Add	*86.43*	
		For 1" Square x 14 Gauge Pickets, Add	*115.25*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,321.11	37.39
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*288.84*	
		For Aluminum With Satin Finish, Add	*345.86*	
		For Third Rail, Add	*90.67*	
		For 1" Square x 14 Gauge Pickets, Add	*120.90*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,370.11	38.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*299.58*	
		For Aluminum With Satin Finish, Add	*358.85*	
		For Third Rail, Add	*94.06*	
		For 1" Square x 14 Gauge Pickets, Add	*125.41*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	1,542.40	46.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*336.63*	
		For Aluminum With Satin Finish, Add	*400.23*	
		For Third Rail, Add	*105.27*	
		For 1" Square x 14 Gauge Pickets, Add	*140.35*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	1,690.83	53.86
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*368.31*	
		For Aluminum With Satin Finish, Add	*434.46*	
		For Third Rail, Add	*114.68*	
		For 1" Square x 14 Gauge Pickets, Add	*152.91*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	1,815.68	62.03
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*394.57*	
		For Aluminum With Satin Finish, Add	*460.93*	
		For Third Rail, Add	*122.21*	
		For 1" Square x 14 Gauge Pickets, Add	*162.95*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	1,920.16	69.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*416.36*	
		For Aluminum With Satin Finish, Add	*481.98*	
		For Third Rail, Add	*128.33*	
		For 1" Square x 14 Gauge Pickets, Add	*171.11*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	2,005.82	77.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*433.91*	
		For Aluminum With Satin Finish, Add	*497.37*	
		For Third Rail, Add	*133.04*	
		For 1" Square x 14 Gauge Pickets, Add	*177.39*	
32 31 19 00-0066		**4' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate	591.32	15.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*129.18*	
		For Aluminum With Satin Finish, Add	*154.22*	
		For Third Rail, Add	*40.49*	
		For 1" Square x 14 Gauge Pickets, Add	*53.98*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	639.68	17.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*139.92*	
		For Aluminum With Satin Finish, Add	*167.87*	
		For Third Rail, Add	*43.97*	
		For 1" Square x 14 Gauge Pickets, Add	*58.63*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate	689.94	19.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*150.95*	
		For Aluminum With Satin Finish, Add	*181.23*	
		For Third Rail, Add	*47.45*	
		For 1" Square x 14 Gauge Pickets, Add	*63.27*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate	731.41	20.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*159.99*	
		For Aluminum With Satin Finish, Add	*191.96*	
		For Third Rail, Add	*50.28*	
		For 1" Square x 14 Gauge Pickets, Add	*67.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	788.82	24.41
		For Solid Pickets, Add	*171.99*	
		For Aluminum With Satin Finish, Add	*203.69*	
		For Third Rail, Add	*53.67*	
		For 1" Square x 14 Gauge Pickets, Add	*71.56*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	866.31	28.46
		For Solid Pickets, Add	*188.51*	
		For Aluminum With Satin Finish, Add	*221.44*	
		For Third Rail, Add	*58.56*	
		For 1" Square x 14 Gauge Pickets, Add	*78.09*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	972.67	32.50
		For Solid Pickets, Add	*211.53*	
		For Aluminum With Satin Finish, Add	*247.85*	
		For Third Rail, Add	*65.63*	
		For 1" Square x 14 Gauge Pickets, Add	*87.50*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,076.52	36.62
		For Solid Pickets, Add	*233.98*	
		For Aluminum With Satin Finish, Add	*273.52*	
		For Third Rail, Add	*72.50*	
		For 1" Square x 14 Gauge Pickets, Add	*96.67*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,175.35	40.66
		For Solid Pickets, Add	*255.30*	
		For Aluminum With Satin Finish, Add	*297.67*	
		For Third Rail, Add	*79.00*	
		For 1" Square x 14 Gauge Pickets, Add	*105.33*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,182.64	34.33
		For Solid Pickets, Add	*258.37*	
		For Aluminum With Satin Finish, Add	*308.44*	
		For Third Rail, Add	*80.97*	
		For 1" Square x 14 Gauge Pickets, Add	*107.96*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,279.35	35.55
		For Solid Pickets, Add	*279.84*	
		For Aluminum With Satin Finish, Add	*335.74*	
		For Third Rail, Add	*87.94*	
		For 1" Square x 14 Gauge Pickets, Add	*117.25*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,379.89	38.15
		For Solid Pickets, Add	*301.89*	
		For Aluminum With Satin Finish, Add	*362.46*	
		For Third Rail, Add	*94.91*	
		For 1" Square x 14 Gauge Pickets, Add	*126.54*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,459.03	39.37
		For Solid Pickets, Add	*319.41*	
		For Aluminum With Satin Finish, Add	*384.49*	
		For Third Rail, Add	*100.56*	
		For 1" Square x 14 Gauge Pickets, Add	*134.08*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,525.61	40.66
		For Solid Pickets, Add	*334.11*	
		For Aluminum With Satin Finish, Add	*402.75*	
		For Third Rail, Add	*105.27*	
		For 1" Square x 14 Gauge Pickets, Add	*140.35*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,732.05	48.75
		For Solid Pickets, Add	*378.73*	
		For Aluminum With Satin Finish, Add	*453.70*	
		For Third Rail, Add	*118.92*	
		For 1" Square x 14 Gauge Pickets, Add	*158.56*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,913.41	56.91
		For Solid Pickets, Add	*417.70*	
		For Aluminum With Satin Finish, Add	*497.11*	
		For Third Rail, Add	*130.69*	
		For 1" Square x 14 Gauge Pickets, Add	*174.25*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,070.89	65.01
		For Solid Pickets, Add	*451.30*	
		For Aluminum With Satin Finish, Add	*533.37*	
		For Third Rail, Add	*140.67*	
		For 1" Square x 14 Gauge Pickets, Add	*187.56*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,207.03	73.16
		For Solid Pickets, Add	*480.10*	
		For Aluminum With Satin Finish, Add	*563.23*	
		For Third Rail, Add	*149.05*	
		For 1" Square x 14 Gauge Pickets, Add	*198.73*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,323.09	81.33
		For Solid Pickets, Add	*504.38*	
		For Aluminum With Satin Finish, Add	*587.06*	
		For Third Rail, Add	*155.92*	
		For 1" Square x 14 Gauge Pickets, Add	*207.89*	
32 31 19 00-0086		**5' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	643.45	17.78
		For Solid Pickets, Add	*140.77*	
		For Aluminum With Satin Finish, Add	*169.00*	
		For Third Rail, Add	*44.25*	
		For 1" Square x 14 Gauge Pickets, Add	*59.00*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	678.64	19.08
		For Solid Pickets, Add	*148.40*	
		For Aluminum With Satin Finish, Add	*177.84*	
		For Third Rail, Add	*46.61*	
		For 1" Square x 14 Gauge Pickets, Add	*62.14*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	712.58	20.29
		For Solid Pickets, Add	*155.75*	
		For Aluminum With Satin Finish, Add	*186.31*	
		For Third Rail, Add	*48.87*	
		For 1" Square x 14 Gauge Pickets, Add	*65.16*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	761.60	21.59
		For Solid Pickets, Add	*166.50*	
		For Aluminum With Satin Finish, Add	*199.30*	
		For Third Rail, Add	*52.26*	
		For 1" Square x 14 Gauge Pickets, Add	*69.68*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	828.55	25.94
		For Solid Pickets, Add	*180.59*	
		For Aluminum With Satin Finish, Add	*213.55*	
		For Third Rail, Add	*56.30*	
		For 1" Square x 14 Gauge Pickets, Add	*75.07*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	916.85	30.21
		For Solid Pickets, Add	*199.48*	
		For Aluminum With Satin Finish, Add	*234.20*	
		For Third Rail, Add	*61.95*	
		For 1" Square x 14 Gauge Pickets, Add	*82.61*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,039.79	34.80
		For Solid Pickets, Add	*226.11*	
		For Aluminum With Satin Finish, Add	*264.90*	
		For Third Rail, Add	*70.15*	
		For 1" Square x 14 Gauge Pickets, Add	*93.53*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,159.48	39.14
		For Solid Pickets, Add	*252.07*	
		For Aluminum With Satin Finish, Add	*294.97*	
		For Third Rail, Add	*78.15*	
		For 1" Square x 14 Gauge Pickets, Add	*104.20*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,276.65	43.41
		For Solid Pickets, Add	*277.46*	
		For Aluminum With Satin Finish, Add	*324.28*	
		For Third Rail, Add	*85.96*	
		For 1" Square x 14 Gauge Pickets, Add	*114.62*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,265.69	29.99
		For Solid Pickets, Add	*278.36*	
		For Aluminum With Satin Finish, Add	*341.18*	
		For Third Rail, Add	*88.51*	
		For 1" Square x 14 Gauge Pickets, Add	*118.01*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,341.46	34.94
		For Solid Pickets, Add	*294.34*	
		For Aluminum With Satin Finish, Add	*357.50*	
		For Third Rail, Add	*93.12*	
		For 1" Square x 14 Gauge Pickets, Add	*124.16*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,418.08	40.21
		For Solid Pickets, Add	*310.45*	
		For Aluminum With Satin Finish, Add	*373.69*	
		For Third Rail, Add	*97.73*	
		For 1" Square x 14 Gauge Pickets, Add	*130.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,522.73	45.25
		For Solid Pickets, Add	*332.92*	
		For Aluminum With Satin Finish, Add	*398.66*	
		For Third Rail, Add	*104.51*	
		For 1" Square x 14 Gauge Pickets, Add	*139.35*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,614.84	50.20
		For Solid Pickets, Add	*352.58*	
		For Aluminum With Satin Finish, Add	*419.87*	
		For Third Rail, Add	*110.35*	
		For 1" Square x 14 Gauge Pickets, Add	*147.13*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,837.93	55.84
		For Solid Pickets, Add	*401.57*	
		For Aluminum With Satin Finish, Add	*479.62*	
		For Third Rail, Add	*125.89*	
		For 1" Square x 14 Gauge Pickets, Add	*167.85*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,038.84	61.96
		For Solid Pickets, Add	*445.46*	
		For Aluminum With Satin Finish, Add	*531.97*	
		For Third Rail, Add	*139.63*	
		For 1" Square x 14 Gauge Pickets, Add	*186.18*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,218.84	68.75
		For Solid Pickets, Add	*484.51*	
		For Aluminum With Satin Finish, Add	*577.28*	
		For Third Rail, Add	*151.68*	
		For 1" Square x 14 Gauge Pickets, Add	*202.25*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,381.25	76.37
		For Solid Pickets, Add	*519.42*	
		For Aluminum With Satin Finish, Add	*616.19*	
		For Third Rail, Add	*162.23*	
		For 1" Square x 14 Gauge Pickets, Add	*216.31*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,526.12	84.92
		For Solid Pickets, Add	*550.19*	
		For Aluminum With Satin Finish, Add	*648.69*	
		For Third Rail, Add	*171.27*	
		For 1" Square x 14 Gauge Pickets, Add	*228.36*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	670.13	19.53
		For Solid Pickets, Add	*146.37*	
		For Aluminum With Satin Finish, Add	*174.60*	
		For Third Rail, Add	*45.85*	
		For 1" Square x 14 Gauge Pickets, Add	*61.14*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	704.56	20.60
		For Solid Pickets, Add	*153.89*	
		For Aluminum With Satin Finish, Add	*183.56*	
		For Third Rail, Add	*48.21*	
		For 1" Square x 14 Gauge Pickets, Add	*64.28*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	739.54	21.74
		For Solid Pickets, Add	*161.49*	
		For Aluminum With Satin Finish, Add	*192.44*	
		For Third Rail, Add	*50.56*	
		For 1" Square x 14 Gauge Pickets, Add	*67.42*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	782.51	23.12
		For Solid Pickets, Add	*170.86*	
		For Aluminum With Satin Finish, Add	*203.51*	
		For Third Rail, Add	*53.48*	
		For 1" Square x 14 Gauge Pickets, Add	*71.31*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	878.60	27.93
		For Solid Pickets, Add	*191.39*	
		For Aluminum With Satin Finish, Add	*225.81*	
		For Third Rail, Add	*59.60*	
		For 1" Square x 14 Gauge Pickets, Add	*79.47*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	980.97	32.80
		For Solid Pickets, Add	*213.34*	
		For Aluminum With Satin Finish, Add	*250.00*	
		For Third Rail, Add	*66.19*	
		For 1" Square x 14 Gauge Pickets, Add	*88.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,095.13	37.39
		For Solid Pickets, Add	*237.99*	
		For Aluminum With Satin Finish, Add	*278.07*	
		For Third Rail, Add	*73.72*	
		For 1" Square x 14 Gauge Pickets, Add	*98.30*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,205.04	42.19
		For Solid Pickets, Add	*261.64*	
		For Aluminum With Satin Finish, Add	*304.52*	
		For Third Rail, Add	*80.88*	
		For 1" Square x 14 Gauge Pickets, Add	*107.84*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,338.79	47.00
		For Solid Pickets, Add	*290.64*	
		For Aluminum With Satin Finish, Add	*338.12*	
		For Third Rail, Add	*89.82*	
		For 1" Square x 14 Gauge Pickets, Add	*119.77*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,315.08	32.35
		For Solid Pickets, Add	*288.97*	
		For Aluminum With Satin Finish, Add	*352.98*	
		For Third Rail, Add	*91.71*	
		For 1" Square x 14 Gauge Pickets, Add	*122.28*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,393.79	37.92
		For Solid Pickets, Add	*305.48*	
		For Aluminum With Satin Finish, Add	*369.42*	
		For Third Rail, Add	*96.41*	
		For 1" Square x 14 Gauge Pickets, Add	*128.55*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,471.67	43.19
		For Solid Pickets, Add	*321.87*	
		For Aluminum With Satin Finish, Add	*385.98*	
		For Third Rail, Add	*101.12*	
		For 1" Square x 14 Gauge Pickets, Add	*134.83*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,565.45	48.75
		For Solid Pickets, Add	*341.78*	
		For Aluminum With Satin Finish, Add	*406.94*	
		For Third Rail, Add	*106.96*	
		For 1" Square x 14 Gauge Pickets, Add	*142.61*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,711.97	54.32
		For Solid Pickets, Add	*373.55*	
		For Aluminum With Satin Finish, Add	*443.72*	
		For Third Rail, Add	*116.75*	
		For 1" Square x 14 Gauge Pickets, Add	*155.67*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,007.03	60.50
		For Solid Pickets, Add	*438.62*	
		For Aluminum With Satin Finish, Add	*524.31*	
		For Third Rail, Add	*137.56*	
		For 1" Square x 14 Gauge Pickets, Add	*183.41*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,102.48	67.60
		For Solid Pickets, Add	*458.58*	
		For Aluminum With Satin Finish, Add	*543.89*	
		For Third Rail, Add	*143.21*	
		For 1" Square x 14 Gauge Pickets, Add	*190.95*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,308.86	75.22
		For Solid Pickets, Add	*503.38*	
		For Aluminum With Satin Finish, Add	*595.98*	
		For Third Rail, Add	*157.05*	
		For 1" Square x 14 Gauge Pickets, Add	*209.40*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,498.90	83.69
		For Solid Pickets, Add	*544.31*	
		For Aluminum With Satin Finish, Add	*642.04*	
		For Third Rail, Add	*169.48*	
		For 1" Square x 14 Gauge Pickets, Add	*225.97*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,675.99	93.39
		For Solid Pickets, Add	*582.08*	
		For Aluminum With Satin Finish, Add	*682.70*	
		For Third Rail, Add	*180.68*	
		For 1" Square x 14 Gauge Pickets, Add	*240.91*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	710.09	21.14
		For Solid Pickets, Add	*155.00*	
		For Aluminum With Satin Finish, Add	*184.43*	
		For Third Rail, Add	*48.49*	
		For 1" Square x 14 Gauge Pickets, Add	*64.65*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	746.08	22.27
		For Solid Pickets, Add	*162.85*	
		For Aluminum With Satin Finish, Add	*193.71*	
		For Third Rail, Add	*50.94*	
		For 1" Square x 14 Gauge Pickets, Add	*67.92*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	782.24	23.42
		For Solid Pickets, Add	*170.72*	
		For Aluminum With Satin Finish, Add	*202.98*	
		For Third Rail, Add	*53.39*	
		For 1" Square x 14 Gauge Pickets, Add	*71.18*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	818.46	24.64
		For Solid Pickets, Add	*178.60*	
		For Aluminum With Satin Finish, Add	*212.23*	
		For Third Rail, Add	*55.83*	
		For 1" Square x 14 Gauge Pickets, Add	*74.45*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	947.47	29.99
		For Solid Pickets, Add	*206.43*	
		For Aluminum With Satin Finish, Add	*243.73*	
		For Third Rail, Add	*64.31*	
		For 1" Square x 14 Gauge Pickets, Add	*85.74*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,065.66	35.10
		For Solid Pickets, Add	*231.88*	
		For Aluminum With Satin Finish, Add	*272.32*	
		For Third Rail, Add	*72.03*	
		For 1" Square x 14 Gauge Pickets, Add	*96.04*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,151.99	40.36
		For Solid Pickets, Add	*250.10*	
		For Aluminum With Satin Finish, Add	*291.01*	
		For Third Rail, Add	*77.30*	
		For 1" Square x 14 Gauge Pickets, Add	*103.07*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,250.11	45.47
		For Solid Pickets, Add	*271.03*	
		For Aluminum With Satin Finish, Add	*313.58*	
		For Third Rail, Add	*83.52*	
		For 1" Square x 14 Gauge Pickets, Add	*111.35*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,370.34	50.81
		For Solid Pickets, Add	*296.88*	
		For Aluminum With Satin Finish, Add	*342.43*	
		For Third Rail, Add	*91.33*	
		For 1" Square x 14 Gauge Pickets, Add	*121.77*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,392.09	34.64
		For Solid Pickets, Add	*305.79*	
		For Aluminum With Satin Finish, Add	*373.06*	
		For Third Rail, Add	*96.98*	
		For 1" Square x 14 Gauge Pickets, Add	*129.31*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,474.16	40.52
		For Solid Pickets, Add	*323.00*	
		For Aluminum With Satin Finish, Add	*390.13*	
		For Third Rail, Add	*101.88*	
		For 1" Square x 14 Gauge Pickets, Add	*135.83*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,557.06	46.69
		For Solid Pickets, Add	*340.33*	
		For Aluminum With Satin Finish, Add	*407.07*	
		For Third Rail, Add	*106.77*	
		For 1" Square x 14 Gauge Pickets, Add	*142.36*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,640.38	52.57
		For Solid Pickets, Add	*357.82*	
		For Aluminum With Satin Finish, Add	*424.52*	
		For Third Rail, Add	*111.76*	
		For 1" Square x 14 Gauge Pickets, Add	*149.02*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,847.59	58.75
		For Solid Pickets, Add	*403.12*	
		For Aluminum With Satin Finish, Add	*478.74*	
		For Third Rail, Add	*125.98*	
		For 1" Square x 14 Gauge Pickets, Add	*167.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,232.21	65.54
		For Solid Pickets, Add	*488.21*	
		For Aluminum With Satin Finish, Add	*585.44*	
		For Third Rail, Add	*153.38*	
		For 1" Square x 14 Gauge Pickets, Add	*204.51*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,209.66	73.48
		For Solid Pickets, Add	*481.44*	
		For Aluminum With Satin Finish, Add	*568.48*	
		For Third Rail, Add	*149.99*	
		For 1" Square x 14 Gauge Pickets, Add	*199.99*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,394.69	81.95
		For Solid Pickets, Add	*521.24*	
		For Aluminum With Satin Finish, Add	*613.04*	
		For Third Rail, Add	*162.04*	
		For 1" Square x 14 Gauge Pickets, Add	*216.05*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,615.73	91.63
		For Solid Pickets, Add	*568.90*	
		For Aluminum With Satin Finish, Add	*666.89*	
		For Third Rail, Add	*176.54*	
		For 1" Square x 14 Gauge Pickets, Add	*235.39*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,762.69	102.24
		For Solid Pickets, Add	*599.70*	
		For Aluminum With Satin Finish, Add	*697.38*	
		For Third Rail, Add	*185.30*	
		For 1" Square x 14 Gauge Pickets, Add	*247.06*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	771.69	22.89
		For Solid Pickets, Add	*168.48*	
		For Aluminum With Satin Finish, Add	*200.61*	
		For Third Rail, Add	*52.73*	
		For 1" Square x 14 Gauge Pickets, Add	*70.30*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	809.40	24.11
		For Solid Pickets, Add	*176.68*	
		For Aluminum With Satin Finish, Add	*210.20*	
		For Third Rail, Add	*55.27*	
		For 1" Square x 14 Gauge Pickets, Add	*73.69*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	849.62	25.40
		For Solid Pickets, Add	*185.44*	
		For Aluminum With Satin Finish, Add	*220.56*	
		For Third Rail, Add	*58.00*	
		For 1" Square x 14 Gauge Pickets, Add	*77.33*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	886.03	28.31
		For Solid Pickets, Add	*192.98*	
		For Aluminum With Satin Finish, Add	*227.52*	
		For Third Rail, Add	*60.07*	
		For 1" Square x 14 Gauge Pickets, Add	*80.10*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,047.72	32.05
		For Solid Pickets, Add	*228.53*	
		For Aluminum With Satin Finish, Add	*271.06*	
		For Third Rail, Add	*71.37*	
		For 1" Square x 14 Gauge Pickets, Add	*95.16*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,166.74	38.60
		For Solid Pickets, Add	*253.82*	
		For Aluminum With Satin Finish, Add	*297.84*	
		For Third Rail, Add	*78.81*	
		For 1" Square x 14 Gauge Pickets, Add	*105.08*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,219.71	44.94
		For Solid Pickets, Add	*264.31*	
		For Aluminum With Satin Finish, Add	*305.15*	
		For Third Rail, Add	*81.35*	
		For 1" Square x 14 Gauge Pickets, Add	*108.47*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,308.59	51.58
		For Solid Pickets, Add	*282.82*	
		For Aluminum With Satin Finish, Add	*322.88*	
		For Third Rail, Add	*86.53*	
		For 1" Square x 14 Gauge Pickets, Add	*115.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,386.17	58.22
		For Solid Pickets, Add	*298.79*	
		For Aluminum With Satin Finish, Add	*337.23*	
		For Third Rail, Add	*90.86*	
		For 1" Square x 14 Gauge Pickets, Add	*121.15*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,513.05	37.00
		For Solid Pickets, Add	*332.51*	
		For Aluminum With Satin Finish, Add	*406.33*	
		For Third Rail, Add	*105.55*	
		For 1" Square x 14 Gauge Pickets, Add	*140.73*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,605.17	44.64
		For Solid Pickets, Add	*351.60*	
		For Aluminum With Satin Finish, Add	*424.15*	
		For Third Rail, Add	*110.82*	
		For 1" Square x 14 Gauge Pickets, Add	*147.76*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,695.19	51.96
		For Solid Pickets, Add	*370.28*	
		For Aluminum With Satin Finish, Add	*441.71*	
		For Third Rail, Add	*116.00*	
		For 1" Square x 14 Gauge Pickets, Add	*154.67*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,771.01	59.66
		For Solid Pickets, Add	*385.70*	
		For Aluminum With Satin Finish, Add	*454.64*	
		For Third Rail, Add	*120.05*	
		For 1" Square x 14 Gauge Pickets, Add	*160.06*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,057.71	67.30
		For Solid Pickets, Add	*448.57*	
		For Aluminum With Satin Finish, Add	*530.83*	
		For Third Rail, Add	*139.91*	
		For 1" Square x 14 Gauge Pickets, Add	*186.55*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,562.87	75.76
		For Solid Pickets, Add	*560.41*	
		For Aluminum With Satin Finish, Add	*671.42*	
		For Third Rail, Add	*175.98*	
		For 1" Square x 14 Gauge Pickets, Add	*234.63*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,347.03	85.45
		For Solid Pickets, Add	*509.76*	
		For Aluminum With Satin Finish, Add	*594.21*	
		For Third Rail, Add	*157.71*	
		For 1" Square x 14 Gauge Pickets, Add	*210.28*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,514.50	96.66
		For Solid Pickets, Add	*545.05*	
		For Aluminum With Satin Finish, Add	*630.10*	
		For Third Rail, Add	*167.88*	
		For 1" Square x 14 Gauge Pickets, Add	*223.84*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,771.95	108.95
		For Solid Pickets, Add	*600.34*	
		For Aluminum With Satin Finish, Add	*691.47*	
		For Third Rail, Add	*184.54*	
		For 1" Square x 14 Gauge Pickets, Add	*246.06*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,831.48	122.76
		For Solid Pickets, Add	*610.77*	
		For Aluminum With Satin Finish, Add	*691.58*	
		For Third Rail, Add	*186.05*	
		For 1" Square x 14 Gauge Pickets, Add	*248.07*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket	23.34
		For 1" Square x 14 Gauge Pickets, Add	*0.81*

32 31 19 00-0168 Remove And Reinstall Ornamental Fences *(32 31 19)*

Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	34.33
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	37.77
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	41.20
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	44.64
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	48.06
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	51.50
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	57.22

32 31 23 Plastic Fences And Gates *(32 31)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0001		**Vinyl Fence** *(32 31 23)*		
32 31 23 00-0002		**Privacy Tongue And Groove Vinyl Fence** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Posts include flat cap.		
32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	34.31	4.64
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	38.66	5.56
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	43.31	6.49
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	47.89	7.41
32 31 23 00-0007		**Semi-Privacy 6" Picket Vinyl Fence** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	46.13	6.49
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	50.75	7.41
32 31 23 00-0010		**Picket Straight Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	31.82	4.64
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	36.30	5.56
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	41.66	6.49
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	46.28	7.41
32 31 23 00-0015		**Picket Scalloped Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	35.02	4.64
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	39.60	5.56
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	44.75	6.49
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	49.46	7.41
32 31 23 00-0020		**Post And Rail Vinyl Fence, Ranch Style** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Posts include flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	14.32	4.64
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	18.19	5.56
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	20.76	6.02
32 31 23 00-0024		**Post, Rails And Pickets (Traditional Style) Vinyl Fence** *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Posts include flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	40.86	5.10
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	44.87	6.02
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	38.43	4.64
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	42.09	5.56
32 31 23 00-0029		**Vinyl Gates** *(32 31 23)*		
32 31 23 00-0030		**Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0029)* Note: Includes hinges.		
32 31 23 00-0031		**3' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	377.14	46.34
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	399.92	48.66
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	437.54	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	488.34	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036		**4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	399.92	48.66
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	414.45	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	458.65	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	534.20	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0041		**5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	414.45	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	432.27	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	492.98	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	571.83	57.92
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0046		**6' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	436.91	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	454.74	57.92
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	543.47	60.24
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	597.58	60.24
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0051		**Gates For Picket Fences** *(32 31 23 00-0029)*		
		Note: Includes hinges.		
32 31 23 00-0052		**3' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	362.30	46.34
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	376.83	48.66
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	421.05	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	496.58	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0057		**4' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	366.94	48.66
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	381.47	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	425.67	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	501.22	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0062		**5' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	381.47	50.97
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	399.29	53.29
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	459.99	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	538.84	57.92
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0067		**6' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	403.93	55.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	421.76	57.92
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	510.49	60.24
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	564.60	62.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0072		Gates Accessories *(32 31 23 00-0029)*		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	82.53	
32 31 23 00-0074	EA	Latch Set	58.62	
32 31 23 00-0075	EA	Stainless Steel Latch Set	82.53	
32 31 26		**Wire Fences And Gates** ***(32 31)***		
32 31 26 00-0001		Chicken Wire *(32 31 26)*		
		Note: Posts at 4'.		
32 31 26 00-0002	LF	1" Mesh, 4' High Chicken Wire Posts At 4'	6.17	1.36
32 31 26 00-0003	LF	2" Mesh, 6' High Chicken Wire Posts At 4'	6.79	1.36
32 31 26 00-0004		Wire And Screen *(32 31 26)*		
32 31 26 00-0005		Wire And Screen For Partitions And Fences *(32 31 26 00-0004)*		
		Note: Excludes framing and post.		
32 31 26 00-0006		Screen Wire *(32 31 26 00-0005)*		
32 31 26 00-0007	LF	Screen Wire, 48" Wide Rolls	10.04	0.93
32 31 26 00-0008		Hog Wire *(32 31 26 00-0005)*		
32 31 26 00-0009	SF	4" x 4" Hog Wire For Fencing	1.83	0.75
32 31 26 00-0010	SF	6" x 6" Hog Wire For Fencing	1.91	0.84
32 31 26 00-0011		Non-Climb Horse Fence *(32 31 26 00-0005)*		
32 31 26 00-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	8.11	2.99
32 31 26 00-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	10.34	3.73
32 31 26 00-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.85	4.48
32 31 26 00-0015		Screen For Partitions And Ceilings *(32 31 26 00-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016	SF	1" Mesh Chicken Wire	1.57	
32 31 26 00-0017		Wicket Fence *(32 31 26)*		
32 31 26 00-0018	LF	Steel Wicket Fence, Painted	45.05	4.11
32 31 29		**Wood Fences And Gates** ***(32 31)***		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	37.40	2.73
		For Fastening With Screws Instead Of Nails, Add	*2.16*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	23.75	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.49*	
32 31 29 00-0004		Board Fence *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	21.36	2.73
		For 1" x 6" Boards, Deduct	*-2.24*	
		For 1" x 3" Boards (Stockade Top), Add	*2.78*	
		For Fastening With Screws Instead Of Nails, Add	*1.38*	
32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	23.79	2.73
		For 1" x 6" Boards, Deduct	*-2.44*	
		For 1" x 3" Boards (Stockade Top), Add	*3.01*	
		For Fastening With Screws Instead Of Nails, Add	*1.53*	
32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	26.57	2.73
		For 1" x 6" Boards, Deduct	*-2.61*	
		For 1" x 3" Boards (Stockade Top), Add	*3.18*	
		For Fastening With Screws Instead Of Nails, Add	*1.68*	
32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	28.38	2.73
		For 1" x 6" Boards, Deduct	*-2.74*	
		For 1" x 3" Boards (Stockade Top), Add	*3.33*	
		For Fastening With Screws Instead Of Nails, Add	*1.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	30.34	2.73
		For 1" x 6" Boards, Deduct	*-2.88*	
		For 1" x 3" Boards (Stockade Top), Add	*3.49*	
		For Fastening With Screws Instead Of Nails, Add	*1.90*	
32 31 29 00-0010	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	22.85	2.73
		For 1" x 6" Boards, Deduct	*-2.30*	
		For 1" x 3" Boards (Stockade Top), Add	*2.82*	
		For Fastening With Screws Instead Of Nails, Add	*1.46*	
32 31 29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	24.93	2.73
		For 1" x 6" Boards, Deduct	*-2.48*	
		For 1" x 3" Boards (Stockade Top), Add	*3.04*	
		For Fastening With Screws Instead Of Nails, Add	*1.58*	
32 31 29 00-0012	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	26.57	2.73
		For 1" x 6" Boards, Deduct	*-2.61*	
		For 1" x 3" Boards (Stockade Top), Add	*3.18*	
		For Fastening With Screws Instead Of Nails, Add	*1.68*	
32 31 29 00-0013	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	28.38	2.73
		For 1" x 6" Boards, Deduct	*-2.74*	
		For 1" x 3" Boards (Stockade Top), Add	*3.33*	
		For Fastening With Screws Instead Of Nails, Add	*1.78*	
32 31 29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	30.34	2.73
		For 1" x 6" Boards, Deduct	*-2.88*	
		For 1" x 3" Boards (Stockade Top), Add	*3.49*	
		For Fastening With Screws Instead Of Nails, Add	*1.90*	
32 31 29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar	22.85	2.73
		For 1" x 6" Boards, Deduct	*-2.30*	
		For 1" x 3" Boards (Stockade Top), Add	*2.82*	
		For Fastening With Screws Instead Of Nails, Add	*1.46*	
32 31 29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar	29.99	2.73
		For 1" x 6" Boards, Deduct	*-2.69*	
		For 1" x 3" Boards (Stockade Top), Add	*3.20*	
		For Fastening With Screws Instead Of Nails, Add	*1.84*	
32 31 29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar	31.42	2.73
		For 1" x 6" Boards, Deduct	*-2.80*	
		For 1" x 3" Boards (Stockade Top), Add	*3.33*	
		For Fastening With Screws Instead Of Nails, Add	*1.92*	
32 31 29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	33.81	2.73
		For 1" x 6" Boards, Deduct	*-2.96*	
		For 1" x 3" Boards (Stockade Top), Add	*3.49*	
		For Fastening With Screws Instead Of Nails, Add	*2.06*	
32 31 29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar	36.39	2.73
		For 1" x 6" Boards, Deduct	*-3.12*	
		For 1" x 3" Boards (Stockade Top), Add	*3.67*	
		For Fastening With Screws Instead Of Nails, Add	*2.20*	

32 31 29 00-0020 Shadow Box *(32 31 29)*

Note: 1x6" board, 2x4" Rail, 4x4" post.

32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	35.15	2.73
		For Fastening With Screws Instead Of Nails, Add	*2.04*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	43.92	2.73
		For Fastening With Screws Instead Of Nails, Add	*2.53*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	47.63	2.73
		For Fastening With Screws Instead Of Nails, Add	*2.73*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	51.16	2.73
		For Fastening With Screws Instead Of Nails, Add	*2.93*	

32 31 29 00-0025 Open Rail Fence *(32 31 29)*

32 31 29 00-0026 Post And Rail Fence, Ranch Style *(32 31 29 00-0025)*

32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	20.60	2.73
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	16.26	2.73
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	24.31	2.73
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	17.56	2.73

32 31 29 00-0031 Split Rail Fence *(32 31 29 00-0025)*

32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	19.48	2.73
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	16.22	2.73
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	22.18	2.73
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	18.19	2.73

32 31 29 00-0036 Picket Fence *(32 31 29)*

32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	21.53	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.40*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	20.32	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.34*	

32 31 29 00-0039 Wood Gate *(32 31 29)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0040		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0039)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	342.28	106.88
32 31 29 00-0042	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	378.22	113.31
32 31 29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	422.73	123.99
32 31 29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	479.25	130.41
32 31 29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	535.77	136.82
32 31 29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	436.38	141.09
32 31 29 00-0047	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	474.90	147.51
32 31 29 00-0048	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	513.43	153.92
32 31 29 00-0049	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	577.65	160.33
32 31 29 00-0050	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	629.04	166.74
32 31 29 00-0051		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0039)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	517.54	85.30
32 31 29 00-0053	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	535.49	90.42
32 31 29 00-0054	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	562.83	98.95
32 31 29 00-0055	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	593.61	104.07
32 31 29 00-0056	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	632.12	109.19
32 31 29 00-0057	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	610.67	112.60
32 31 29 00-0058	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	633.76	117.71
32 31 29 00-0059	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	669.69	122.84
32 31 29 00-0060	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	705.63	127.95
32 31 29 00-0061	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	741.56	133.07
32 31 29 00-0062		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0039)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	556.08	85.30
32 31 29 00-0064	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	579.17	90.42
32 31 29 00-0065	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	609.08	98.95
32 31 29 00-0066	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	645.01	104.07
32 31 29 00-0067	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	680.95	109.19
32 31 29 00-0068	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	662.07	112.60
32 31 29 00-0069	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	685.16	117.71
32 31 29 00-0070	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	721.09	122.84
32 31 29 00-0071	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	757.03	127.95
32 31 29 00-0072	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	805.81	133.07
32 31 29 00-0073		**Pressure Treated Wood Fence Posts** *(32 31 29)* See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0695 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0074	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	32.60	10.69
32 31 29 00-0075	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	36.66	10.69
32 31 29 00-0076	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	57.50	20.52
32 31 29 00-0077	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	62.12	20.52
32 31 29 00-0078		**Wood Utility Pole Fence** *(32 31 29)* Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0079	LF	Wood Utility Pole Barrier Fence Note: Includes notching post, drilling and pinned with #5 rebar.	37.79	2.73
32 31 29 00-0080		**Wood Rail Fence** *(32 31 29)* Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0081	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	19.10	2.73
32 31 41		**Precast Concrete Fences** *(32 31)*		
32 31 41 00-0001		**Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete.** *(32 31 41)* Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	47.44	2.73
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		**Barbed Wire Fences** *(32 31 56)* Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0002		Fence Posts *(32 31 56 00-0001)*		
32 31 56 00-0003		Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	68.35	6.10
		For Bracing On Corner Post, End Post And Pull Post, Add	*109.82*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	90.68	6.10
		For Bracing On Corner Post, End Post And Pull Post, Add	*147.11*	
32 31 56 00-0006		Post In Rock *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	67.02	6.10
		For Bracing On Corner Post, End Post And Pull Post, Add	*107.83*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	89.35	6.10
		For Bracing On Corner Post, End Post And Pull Post, Add	*145.12*	
32 31 56 00-0009		Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*		
		Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	18.70	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	19.15	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	19.93	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	20.72	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	21.71	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	24.30	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	28.98	
32 31 56 00-0017		Barbed Wire *(32 31 56 00-0001)*		
		Note: Per strand.		
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.66	0.30
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.75	0.30
32 31 56 00-0020		Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*		
		Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	8.00	1.98
		Note: Posts at 10' maximum.		

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF	4' High With Base, 10" Thick Reinforced	306.15	106.94
		For >3:1 Sloped Soil At Top, Add	*7.85*	
32 32 13 00-0002	LF	6' High With Base, 10" Thick Reinforced	382.51	131.58
		For >3:1 Sloped Soil At Top, Add	*10.14*	
32 32 13 00-0003	LF	8' High With Base, 10" Thick Reinforced	417.14	141.93
		For >3:1 Sloped Soil At Top, Add	*11.33*	
32 32 13 00-0004	LF	10' High With Base, 13" Thick Reinforced	533.22	175.49
		For >3:1 Sloped Soil At Top, Add	*15.50*	
32 32 13 00-0005	LF	12' High With Base, 14" Thick Reinforced	614.72	201.58
		For >3:1 Sloped Soil At Top, Add	*17.98*	
32 32 13 00-0006	LF	16' High With Base, 16" Thick Reinforced	887.92	295.72
		For >3:1 Sloped Soil At Top, Add	*25.21*	
32 32 13 00-0007	LF	20' High With Base, 18" Thick Reinforced	1,218.12	408.26
		For >3:1 Sloped Soil At Top, Add	*34.13*	
32 32 13 00-0008	LF	4' High With Base, 12" Thick Reinforced	336.67	116.78
		For >3:1 Sloped Soil At Top, Add	*8.77*	
32 32 13 00-0009	LF	6' High With Base, 12" Thick Reinforced	412.89	140.71
		For >3:1 Sloped Soil At Top, Add	*11.18*	
32 32 13 00-0010	LF	8' High With Base, 12" Thick Reinforced	437.92	146.82
		For >3:1 Sloped Soil At Top, Add	*12.26*	
32 32 13 00-0011	LF	10' High With Base, 16" Thick Reinforced	604.21	196.77
		For >3:1 Sloped Soil At Top, Add	*17.90*	
32 32 13 00-0012	LF	12' High With Base, 18" Thick Reinforced	765.01	252.74
		For >3:1 Sloped Soil At Top, Add	*22.06*	
32 32 13 00-0013	LF	16' High With Base, 21" Thick Reinforced	1,145.72	383.11
		For >3:1 Sloped Soil At Top, Add	*32.26*	
32 32 13 00-0014	LF	20' High With Base, 24" Thick Reinforced	1,616.92	540.77
		For >3:1 Sloped Soil At Top, Add	*45.51*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001		Precast Retaining Walls *(32 32 16)*		
		Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	59.94	10.35
32 32 16 00-0003	SF	Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	60.98	8.33
32 32 16 00-0004	SF	Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	62.84	6.94

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 16 00-0005	SF	Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	67.81	6.94
32 32 16 00-0006	SF	Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	71.40	5.92

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	41.31	7.13
		For >3:1 Sloped Soil At Top, Add	*2.30*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	43.57	7.51
		For >3:1 Sloped Soil At Top, Add	*2.43*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	45.72	8.26
		For >3:1 Sloped Soil At Top, Add	*2.48*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	47.96	9.01
		For >3:1 Sloped Soil At Top, Add	*2.54*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	42.73	7.13
		For >3:1 Sloped Soil At Top, Add	*2.42*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	44.99	7.51
		For >3:1 Sloped Soil At Top, Add	*2.55*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	47.13	8.26
		For >3:1 Sloped Soil At Top, Add	*2.60*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	49.37	9.01
		For >3:1 Sloped Soil At Top, Add	*2.66*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	46.10	7.13
		For >3:1 Sloped Soil At Top, Add	*2.71*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	48.36	7.51
		For >3:1 Sloped Soil At Top, Add	*2.83*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	50.51	8.26
		For >3:1 Sloped Soil At Top, Add	*2.89*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	52.75	9.01
		For >3:1 Sloped Soil At Top, Add	*2.95*	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	41.31	7.13
		For >3:1 Sloped Soil At Top, Add	*2.30*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	43.57	7.51
		For >3:1 Sloped Soil At Top, Add	*2.43*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	45.72	8.26
		For >3:1 Sloped Soil At Top, Add	*2.48*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	47.96	9.01
		For >3:1 Sloped Soil At Top, Add	*2.54*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.03	7.13
		For >3:1 Sloped Soil At Top, Add	*1.93*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	40.70	7.51
		For >3:1 Sloped Soil At Top, Add	*2.18*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	42.87	8.26
		For >3:1 Sloped Soil At Top, Add	*2.24*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	44.85	9.01
		For >3:1 Sloped Soil At Top, Add	*2.28*	

32 32 23 13-0027 Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*
Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	23.86	
		For >3:1 Sloped Soil At Top, Add	*1.15*	

32 32 26 Metal Crib Retaining Walls *(32 32)*

32 32 26 00-0001 Bin Type Retaining Wall *(32 32 26)*

32 32 26 00-0002 Vertical Bin Walls *(32 32 26 00-0001)*
Note: Excludes excavation and backfill.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	46.21	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	53.88	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	62.67	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	67.27	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	75.41	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	80.01	
32 32 26 00-0009		**Battered Bin Walls** *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	42.15	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	45.22	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	50.86	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	56.23	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	65.92	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	67.45	
32 32 26 00-0016		**Aluminized Steel Bin** *(32 32 26)* Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	24.05	3.82
		For >3:1 Sloped Soil At Top, Add	*1.39*	
		For Galvanized Type, Deduct	*-1.64*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	26.62	3.82
		For >3:1 Sloped Soil At Top, Add	*1.61*	
		For Galvanized Type, Deduct	*-1.89*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	28.45	4.18
		For >3:1 Sloped Soil At Top, Add	*1.71*	
		For Galvanized Type, Deduct	*-2.01*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	32.39	4.72
		For >3:1 Sloped Soil At Top, Add	*1.95*	
		For Galvanized Type, Deduct	*-2.30*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	31.43	4.89
		For >3:1 Sloped Soil At Top, Add	*1.85*	
		For Galvanized Type, Deduct	*-2.17*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	34.69	4.98
		For >3:1 Sloped Soil At Top, Add	*2.11*	
		For Galvanized Type, Deduct	*-2.48*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	38.33	5.25
		For >3:1 Sloped Soil At Top, Add	*2.36*	
		For Galvanized Type, Deduct	*-2.78*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	39.29	5.52
		For >3:1 Sloped Soil At Top, Add	*2.41*	
		For Galvanized Type, Deduct	*-2.83*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	41.15	5.52
		For >3:1 Sloped Soil At Top, Add	*2.56*	
		For Galvanized Type, Deduct	*-3.01*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	43.01	5.61
		For >3:1 Sloped Soil At Top, Add	*2.71*	
		For Galvanized Type, Deduct	*-3.19*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	44.38	5.70
		For >3:1 Sloped Soil At Top, Add	*2.81*	
		For Galvanized Type, Deduct	*-3.31*	

32 32 29 Timber Retaining Walls *(32 32)*

32 32 29 00-0001		**Wood Post Retaining Walls** *(32 32 29)* Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood	79.30	23.31
		For >3:1 Sloped Soil At Top, Add	*2.79*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood	155.11	45.62
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar	75.12	23.31
		For >3:1 Sloped Soil At Top, Add	*2.43*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar	146.97	45.62
		For >3:1 Sloped Soil At Top, Add	*4.74*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber	72.15	20.36
		For >3:1 Sloped Soil At Top, Add	*2.67*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber	141.29	39.82
		For >3:1 Sloped Soil At Top, Add	*5.24*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber	63.82	18.07
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber	115.37	32.71
		For >3:1 Sloped Soil At Top, Add	*4.25*	
32 32 29 00-0010	LF	6 x 6, 2' High, Redwood	217.45	55.27
		For >3:1 Sloped Soil At Top, Add	*9.09*	
32 32 29 00-0011	LF	6 x 6, 4' High, Redwood	430.42	108.34
		For >3:1 Sloped Soil At Top, Add	*18.18*	
32 32 29 00-0012	LF	6 x 6, 2' High, Cedar	212.80	55.27
		For >3:1 Sloped Soil At Top, Add	*8.69*	
32 32 29 00-0013	LF	6 x 6, 4' High, Cedar	418.80	108.34
		For >3:1 Sloped Soil At Top, Add	*17.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0014	LF	6 x 6, 2' High, Pressure Treated Lumber	189.75	44.89
		For >3:1 Sloped Soil At Top, Add	*8.49*	
32 32 29 00-0015	LF	6 x 6, 4' High, Pressure Treated Lumber	377.22	88.64
		For >3:1 Sloped Soil At Top, Add	*16.99*	
32 32 29 00-0016	LF	6 x 6, 2' High, Creosoted Lumber	152.05	35.89
		For >3:1 Sloped Soil At Top, Add	*6.82*	
32 32 29 00-0017	LF	6 x 6, 4' High, Creosoted Lumber	299.67	70.23
		For >3:1 Sloped Soil At Top, Add	*13.53*	
32 32 29 00-0018	LF	8 x 8, 4' High, Redwood	558.05	119.78
		For >3:1 Sloped Soil At Top, Add	*27.07*	
32 32 29 00-0019	LF	8 x 8, 6' High, Redwood	1,044.53	223.63
		For >3:1 Sloped Soil At Top, Add	*50.77*	
32 32 29 00-0020	LF	8 x 8, 4' High, Cedar	534.80	119.78
		For >3:1 Sloped Soil At Top, Add	*25.09*	
32 32 29 00-0021	LF	8 x 8, 6' High, Cedar	1,000.37	223.63
		For >3:1 Sloped Soil At Top, Add	*47.02*	
32 32 29 00-0022	LF	8 x 8, 4' High, Pressure Treated Lumber	513.46	138.19
		For >3:1 Sloped Soil At Top, Add	*20.15*	
32 32 29 00-0023	LF	8 x 8, 6' High, Pressure Treated Lumber	957.73	258.05
		For >3:1 Sloped Soil At Top, Add	*37.54*	
32 32 29 00-0024	LF	8 x 8, 4' High, Creosoted Lumber	415.12	111.69
		For >3:1 Sloped Soil At Top, Add	*16.30*	
32 32 29 00-0025	LF	8 x 8, 6' High, Creosoted Lumber	769.93	207.19
		For >3:1 Sloped Soil At Top, Add	*30.23*	
32 32 29 00-0026	LF	Random Diameter Poles, Cedar 4' High	150.24	46.03
		For >3:1 Sloped Soil At Top, Add	*4.94*	
32 32 29 00-0027	LF	Random Diameter Poles, Cedar 6' High	224.20	69.09
		For >3:1 Sloped Soil At Top, Add	*7.31*	
32 32 29 00-0028	LF	Random Diameter Poles, Cedar 8' High	298.08	92.06
		For >3:1 Sloped Soil At Top, Add	*9.68*	
32 32 29 00-0029	LF	Random Diameter Poles, 4' High Creosoted Lumber	109.01	26.00
		For >3:1 Sloped Soil At Top, Add	*4.84*	
32 32 29 00-0030	LF	Random Diameter Poles, 6' High Creosoted Lumber	158.75	37.53
		For >3:1 Sloped Soil At Top, Add	*7.11*	
32 32 29 00-0031	LF	Random Diameter Poles, 8' High	215.22	50.69
		For >3:1 Sloped Soil At Top, Add	*9.68*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	69.83	13.81
		For >3:1 Sloped Soil At Top, Add	*3.59*	
32 32 29 00-0034	LF	4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	104.17	23.63
		For >3:1 Sloped Soil At Top, Add	*4.84*	
32 32 29 00-0035	LF	6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood	138.92	29.35
		For >3:1 Sloped Soil At Top, Add	*6.82*	
32 32 29 00-0036	LF	6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	193.55	41.62
		For >3:1 Sloped Soil At Top, Add	*9.38*	
32 32 29 00-0037	LF	6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	253.51	54.13
		For >3:1 Sloped Soil At Top, Add	*12.35*	
32 32 29 00-0038	LF	8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	525.66	107.11
		For >3:1 Sloped Soil At Top, Add	*26.47*	
32 32 29 00-0039	LF	8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	597.48	118.64
		For >3:1 Sloped Soil At Top, Add	*30.62*	
32 32 29 00-0040	LF	4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	70.39	14.39
		For >3:1 Sloped Soil At Top, Add	*3.54*	
32 32 29 00-0041	LF	4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	123.18	25.60
		For >3:1 Sloped Soil At Top, Add	*6.12*	
32 32 29 00-0042	LF	6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	121.11	25.10
		For >3:1 Sloped Soil At Top, Add	*6.03*	
32 32 29 00-0043	LF	6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	168.56	36.06
		For >3:1 Sloped Soil At Top, Add	*8.20*	
32 32 29 00-0044	LF	6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	260.44	57.56
		For >3:1 Sloped Soil At Top, Add	*12.35*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	208.14	44.23
		For >3:1 Sloped Soil At Top, Add	*10.17*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	544.14	110.55
		For >3:1 Sloped Soil At Top, Add	*27.46*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	77.02	26.58
		For >3:1 Sloped Soil At Top, Add	*2.02*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	112.39	37.78
		For >3:1 Sloped Soil At Top, Add	*3.13*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	167.55	51.84
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	299.37	87.49
		For >3:1 Sloped Soil At Top, Add	*10.57*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	305.18	87.49
		For >3:1 Sloped Soil At Top, Add	*11.06*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	284.35	84.06
		For >3:1 Sloped Soil At Top, Add	*9.88*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	674.89	193.37
		For >3:1 Sloped Soil At Top, Add	*24.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	77.02	26.58
		For >3:1 Sloped Soil At Top, Add	*2.02*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	112.39	37.78
		For >3:1 Sloped Soil At Top, Add	*3.13*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	167.55	51.84
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	211.47	64.51
		For >3:1 Sloped Soil At Top, Add	*7.01*	
32 32 29 00-0058	LF	6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	299.37	87.49
		For >3:1 Sloped Soil At Top, Add	*10.57*	
32 32 29 00-0059	LF	6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	284.35	84.06
		For >3:1 Sloped Soil At Top, Add	*9.88*	
32 32 29 00-0060	LF	8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	674.89	193.37
		For >3:1 Sloped Soil At Top, Add	*24.50*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	112.44	28.29
		For >3:1 Sloped Soil At Top, Add	*4.74*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	256.80	64.51
		For >3:1 Sloped Soil At Top, Add	*10.87*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	384.09	96.73
		For >3:1 Sloped Soil At Top, Add	*16.20*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	386.61	82.91
		For >3:1 Sloped Soil At Top, Add	*18.77*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	581.16	124.36
		For >3:1 Sloped Soil At Top, Add	*28.25*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	768.64	163.52
		For >3:1 Sloped Soil At Top, Add	*37.54*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	110.12	28.29
		For >3:1 Sloped Soil At Top, Add	*4.54*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	249.82	64.51
		For >3:1 Sloped Soil At Top, Add	*10.27*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	374.79	96.73
		For >3:1 Sloped Soil At Top, Add	*15.41*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	370.34	82.91
		For >3:1 Sloped Soil At Top, Add	*17.39*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	557.92	124.36
		For >3:1 Sloped Soil At Top, Add	*26.28*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	736.10	163.52
		For >3:1 Sloped Soil At Top, Add	*34.77*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	114.71	37.53
		For >3:1 Sloped Soil At Top, Add	*3.37*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	262.24	86.35
		For >3:1 Sloped Soil At Top, Add	*7.61*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	389.27	127.80
		For >3:1 Sloped Soil At Top, Add	*11.36*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	526.69	173.83
		For >3:1 Sloped Soil At Top, Add	*15.21*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	766.75	253.22
		For >3:1 Sloped Soil At Top, Add	*22.13*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,017.81	335.73
		For >3:1 Sloped Soil At Top, Add	*29.44*	

32 32 29 00-0083 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	99.17	23.38
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	225.64	52.98
		For >3:1 Sloped Soil At Top, Add	*10.17*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	337.87	79.48
		For >3:1 Sloped Soil At Top, Add	*15.21*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	354.95	95.58
		For >3:1 Sloped Soil At Top, Add	*13.93*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	534.31	142.84
		For >3:1 Sloped Soil At Top, Add	*21.14*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	707.54	189.94
		For >3:1 Sloped Soil At Top, Add	*27.86*	

32 32 53 Stone Retaining Walls *(32 32)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0001		**Stone Retaining Walls** *(32 32 53)* Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $16.00/ton.		
32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	365.98	169.02
		For >3:1 Sloped Soil At Top, Add	*2.37*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	432.68	201.08
		For >3:1 Sloped Soil At Top, Add	*2.59*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	569.95	267.16
		For >3:1 Sloped Soil At Top, Add	*3.03*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	881.51	417.72
		For >3:1 Sloped Soil At Top, Add	*3.91*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,147.33	546.42
		For >3:1 Sloped Soil At Top, Add	*4.63*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,425.12	680.44
		For >3:1 Sloped Soil At Top, Add	*5.45*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	327.17	149.65
		For >3:1 Sloped Soil At Top, Add	*2.37*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	384.63	177.06
		For >3:1 Sloped Soil At Top, Add	*2.59*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	499.02	231.64
		For >3:1 Sloped Soil At Top, Add	*3.03*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	767.32	360.65
		For >3:1 Sloped Soil At Top, Add	*3.91*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	987.17	466.37
		For >3:1 Sloped Soil At Top, Add	*4.63*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,227.55	581.71
		For >3:1 Sloped Soil At Top, Add	*5.45*	
32 32 53 00-0015		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $32.00/ton.		
32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	374.41	169.02
		For >3:1 Sloped Soil At Top, Add	*3.09*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	444.35	201.08
		For >3:1 Sloped Soil At Top, Add	*3.58*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	586.81	267.16
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	906.15	417.72
		For >3:1 Sloped Soil At Top, Add	*6.01*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,181.04	546.42
		For >3:1 Sloped Soil At Top, Add	*7.49*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,467.91	680.44
		For >3:1 Sloped Soil At Top, Add	*9.09*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	335.60	149.65
		For >3:1 Sloped Soil At Top, Add	*3.09*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	396.30	177.06
		For >3:1 Sloped Soil At Top, Add	*3.58*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	515.88	231.64
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	791.96	360.65
		For >3:1 Sloped Soil At Top, Add	*6.01*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,020.88	466.37
		For >3:1 Sloped Soil At Top, Add	*7.49*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,270.34	581.71
		For >3:1 Sloped Soil At Top, Add	*9.09*	
32 32 53 00-0028		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $48.00/ton.		
32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	383.49	169.02
		For >3:1 Sloped Soil At Top, Add	*3.86*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	455.88	201.08
		For >3:1 Sloped Soil At Top, Add	*4.56*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	603.01	267.16
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	930.78	417.72
		For >3:1 Sloped Soil At Top, Add	*8.10*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,214.75	546.42
		For >3:1 Sloped Soil At Top, Add	*10.36*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,511.34	680.44
		For >3:1 Sloped Soil At Top, Add	*12.78*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	344.68	149.65
		For >3:1 Sloped Soil At Top, Add	*3.86*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	407.96	177.06
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	532.08	231.64
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	816.59	360.65
		For >3:1 Sloped Soil At Top, Add	*8.10*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,054.59	466.37
		For >3:1 Sloped Soil At Top, Add	*10.36*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,313.77	581.71
		For >3:1 Sloped Soil At Top, Add	*12.78*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $64.00/ton.

32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	392.56	169.02
		For >3:1 Sloped Soil At Top, Add	*4.63*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	454.72	201.08
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	620.51	267.16
		For >3:1 Sloped Soil At Top, Add	*7.33*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	956.71	417.72
		For >3:1 Sloped Soil At Top, Add	*10.30*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,249.75	546.42
		For >3:1 Sloped Soil At Top, Add	*13.33*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,555.42	680.44
		For >3:1 Sloped Soil At Top, Add	*16.53*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	353.75	149.65
		For >3:1 Sloped Soil At Top, Add	*4.63*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	419.63	177.06
		For >3:1 Sloped Soil At Top, Add	*5.56*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	549.58	231.64
		For >3:1 Sloped Soil At Top, Add	*7.33*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	842.52	360.65
		For >3:1 Sloped Soil At Top, Add	*10.30*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,089.59	466.37
		For >3:1 Sloped Soil At Top, Add	*13.33*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,357.85	581.71
		For >3:1 Sloped Soil At Top, Add	*16.53*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	492.66	95.53
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	746.48	156.93
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,277.99	238.82

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	431.68	85.29
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	615.09	141.93
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,047.96	213.23

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	85.61	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	671.87	167.37

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	375.68	102.35
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	502.54	110.88
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	629.40	119.41
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	771.95	127.94
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	914.49	136.46
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	994.29	144.99

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	421.67	102.35
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	535.69	110.88
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	649.72	119.41
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	751.63	127.94
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	865.65	136.46
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,003.92	144.99

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0030		Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	375.68	102.35
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	502.54	110.88
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	629.40	119.41
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	771.95	127.94
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	914.49	136.46
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	994.29	144.99
32 33 13 00-0037		Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	433.79	102.35
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	559.94	110.88
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	673.96	119.41
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	812.23	127.94
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	926.25	136.46
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,076.64	144.99
32 33 13 00-0044		Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	684.68	102.35
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,009.97	110.88
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,335.27	119.41
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,704.61	127.94
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,073.93	136.46
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,267.12	144.99
32 33 13 00-0051		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	542.88	102.35
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,165.99	110.88
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,522.43	119.41
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,854.64	127.94
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,198.96	136.46
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,555.40	144.99
32 33 13 00-0058		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	389.73	76.76
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	323.34	40.74
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	309.64	40.74
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	309.64	40.74
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	294.24	40.74
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	323.34	40.74
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	294.24	40.74
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	395.23	40.74
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	567.49	40.74
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	611.00	40.74
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	611.00	40.74
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	828.50	40.74
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	890.64	40.74
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,022.70	40.74
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	929.48	40.74
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	743.05	40.74
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	805.20	40.74
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	937.25	40.74
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	851.80	40.74
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	595.46	40.74
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	657.60	40.74
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	789.66	40.74
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	704.21	40.74
32 33 23 00-0029		Litter Baskets *(32 33 23)*		
32 33 23 00-0030		Round Wire Litter Baskets *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	102.79	4.14
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	129.37	4.14
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	174.47	4.14
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	199.93	4.14
32 33 23 00-0035		Trash Can/Wire Basket Holder *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	157.25	33.28
32 33 23 00-0037	EA	Steel Post, Double Holder	208.12	33.28
32 33 23 00-0038	EA	Redwood Post, Single Holder	115.50	33.28
32 33 23 00-0039	EA	Redwood Post, Double Holder	135.63	33.28
32 33 23 00-0040		Litter Receptacles, Freestanding *(32 33 23 00-0029)*		
		Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	821.35	16.97
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	864.15	16.97
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,009.51	25.46
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,052.30	25.46
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,095.10	25.46
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	1,137.89	25.46
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	908.58	22.07
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	951.38	22.07
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0049		Ash Receptacles *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	559.07	16.97
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	233.53	16.97
32 33 23 00-0052		Trash Receptacles *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	675.85	16.97
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	391.46	16.97
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	603.76	16.97
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	629.52	18.67
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	677.60	20.37
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	160.36	13.58
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	188.11	13.58
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	316.02	16.97

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0061		Trash Containers (Dumpsters) *(32 33 23)*		
32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	165.57	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	248.36	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	331.14	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	331.14	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	496.71	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	662.29	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	993.43	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	1,324.57	
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		Precast Concrete Planters *(32 33 33)*		
32 33 33 00-0002		Circular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	458.65	20.51
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	514.35	24.61
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	561.84	24.61
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	610.56	28.70
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	740.10	36.90
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	804.36	36.90
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	906.13	41.00
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	956.42	41.00
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,067.72	51.26
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,135.74	54.54
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,183.39	57.41
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,074.22	51.26
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,181.99	57.41
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	1,510.08	61.51
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	1,959.14	77.91
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	2,273.24	82.00
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	928.92	53.31
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,062.23	57.41
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	1,669.14	65.61
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	1,780.69	69.71
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	535.30	24.61
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	631.15	36.90
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	731.53	41.00
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	834.45	51.26
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	1,118.46	20.51
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	1,861.03	20.51
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	745.85	20.51
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	1,469.57	20.51
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	435.48	20.51
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	638.22	20.51
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,137.30	20.51
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,587.95	20.51
32 33 33 00-0040		Square Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	571.71	20.51
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	584.42	20.51
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	591.14	20.51
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	670.52	20.51
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	728.35	20.51
32 33 33 00-0046		Rectangular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	657.94	20.51
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	705.37	20.51
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	918.95	20.51
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,013.81	20.51
32 33 33 00-0051		Timber Planters *(32 33 33)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	459.97	40.74
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	459.97	40.74
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	883.03	40.74
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	763.86	40.74
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	912.82	40.74
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,366.71	40.74
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	3,564.38	40.74
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	454.01	40.74
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	507.64	40.74
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	668.52	40.74
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	740.02	40.74
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	954.53	40.74
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,109.45	40.74
32 33 33 00-0067	EA	54" x 27", 30" High, Rectangular Timber Planter	1,615.93	40.74
32 33 33 00-0068	EA	54" x 34", 30" High, Rectangular Timber Planter	1,824.48	40.74
32 33 33 00-0069	EA	68" x 34", 36" High, Rectangular Timber Planter	2,080.70	40.74
32 33 33 00-0070	EA	54" x 41", 36" High, Rectangular Timber Planter	1,979.40	40.74
32 33 33 00-0071	EA	68" x 41", 36" High, Rectangular Timber Planter	2,241.58	40.74
32 33 33 00-0072	EA	81" x 41", 36" High, Rectangular Timber Planter	2,509.72	40.74
32 33 33 00-0073	EA	41" x 27", 36" High, Rectangular Timber Planter	1,240.54	40.74
32 33 43		**Site Seating And Tables** *(32 33)*		
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0002		Wooden Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table	824.01	50.92
32 33 43 53-0004		Portable Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame	729.87	33.95
32 33 43 53-0006	EA	6' Aluminum Table And Frame	1,049.77	33.95
32 33 43 53-0007	EA	8' Aluminum Table And Frame	1,253.76	42.44
32 33 43 53-0008	EA	6' Steel Table And Frame	719.30	33.95
32 33 43 53-0009	EA	8' Steel Table And Frame	825.33	42.44
32 33 43 53-0010		Concrete Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0011	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches	1,420.61	135.81
32 33 43 53-0012		Plastic Picnic Tables *(32 33 43 53-0001)* Note: Manufactured from recycled plastic.		
32 33 43 53-0013		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0012)*		
32 33 43 53-0014	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	481.54	50.92
32 33 43 53-0015	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	521.87	50.92
32 33 43 53-0016		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0012)*		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	612.32	50.92
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	666.48	50.92
32 33 43 53-0019		Recycled Plastic Tables *(32 33 43 53-0012)*		
32 33 43 53-0020	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	783.24	50.92
32 33 43 53-0021	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	662.46	50.92
32 33 43 53-0022	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	717.97	50.92
32 33 43 53-0023	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	675.34	50.92
32 33 43 53-0024	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	834.19	50.92
32 33 43 53-0025	EA	4' Youth Table, Recycled Plastic Lumber	356.23	40.74
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		Picnic Grills *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	247.16	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	263.65	
32 33 63		**Skate Board Deterrent** *(32 33)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 33 63 00-0001 Skate Stoppers *(32 33 63)*

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	39.35	
		For >59 To 99, Deduct	*-3.98*	
		For >99 To 249, Deduct	*-5.08*	
		For >249, Deduct	*-6.17*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	40.72	
		For >59 To 99, Deduct	*-4.17*	
		For >99 To 249, Deduct	*-5.31*	
		For >249, Deduct	*-6.45*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	30.09	
		For >59 To 99, Deduct	*-2.69*	
		For >99 To 249, Deduct	*-3.50*	
		For >249, Deduct	*-4.32*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	25.27	
		For >59 To 99, Deduct	*-2.01*	
		For >99 To 249, Deduct	*-2.68*	
		For >249, Deduct	*-3.36*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	26.92	
		For >59 To 99, Deduct	*-2.24*	
		For >99 To 249, Deduct	*-2.96*	
		For >249, Deduct	*-3.69*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	26.23	
		For >59 To 99, Deduct	*-2.14*	
		For >99 To 249, Deduct	*-2.85*	
		For >249, Deduct	*-3.55*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	24.94	
		For >59 To 99, Deduct	*-1.96*	
		For >99 To 249, Deduct	*-2.63*	
		For >249, Deduct	*-3.29*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	32.92	
		For >59 To 99, Deduct	*-3.08*	
		For >99 To 249, Deduct	*-3.98*	
		For >249, Deduct	*-4.89*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	56.84	
		For >59 To 99, Deduct	*-6.43*	
		For >99 To 249, Deduct	*-8.05*	
		For >249, Deduct	*-9.67*	

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	40.53	9.98
		For Galvanized Steel, Add	*3.50*	
		For 304 Stainless Steel, Add	*27.77*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*103.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*77.84*	
		For Schedule 80, Add	*5.08*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*5.55*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	52.40	9.98
		For Galvanized Steel, Add	*5.51*	
		For 304 Stainless Steel, Add	*43.79*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*103.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*77.84*	
		For Schedule 80, Add	*6.86*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*8.10*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	73.07	12.48
		For Galvanized Steel, Add	*8.18*	
		For 304 Stainless Steel, Add	*64.95*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*137.84*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*118.08*	
		For Schedule 80, Add	*9.71*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	95.78	14.97
		For Galvanized Steel, Add	*11.19*	
		For 304 Stainless Steel, Add	*88.87*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*157.80*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*128.06*	
		For Schedule 80, Add	*12.87*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*13.37*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	121.62	19.96
		For Galvanized Steel, Add	*13.89*	
		For 304 Stainless Steel, Add	*110.28*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*218.72*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*176.73*	
		For Schedule 80, Add	*16.25*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*15.84*	

32 39 16 Manufactured Concrete Bollards *(32 39)*

32 39 16 00-0001 Concrete Bollards *(32 39 16)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 16 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 16 00-0001)*

32 39 16 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.	546.30	79.86
32 39 16 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.	546.30	79.86

32 39 19 Manufactured Wood Bollards *(32 39)*

32 39 19 00-0001 Wood Bollards *(32 39 19)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 19 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 19 00-0001)*

32 39 19 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	18.87	7.98
		For Each Sleeve For Removable, Lockable Bollard, Add	*78.96*	
32 39 19 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	21.94	7.98
		For Each Sleeve For Removable, Lockable Bollard, Add	*78.96*	
32 39 19 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	28.57	8.98
		For Each Sleeve For Removable, Lockable Bollard, Add	*121.12*	
32 39 19 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	40.50	11.98
		For Each Sleeve For Removable, Lockable Bollard, Add	*133.10*	
32 39 19 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	55.78	15.97
		For Each Sleeve For Removable, Lockable Bollard, Add	*184.99*	

32 39 23 Manufactured Plastic Bollards *(32 39)*

32 39 23 00-0001 Plastic Bollards *(32 39 23)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Recycled Plastic Bollards *(32 39 23 00-0001)*

32 39 23 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	215.09	39.93
32 39 23 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	335.47	39.93

32 39 23 00-0005 Plastic Bollard Covers *(32 39 23 00-0001)*

32 39 23 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	53.22	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	57.69	9.60
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	71.11	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	71.11	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	79.46	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	71.11	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	72.30	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	71.11	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	72.30	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	99.74	8.72
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	72.85	9.60
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	91.94	9.60
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	104.21	9.60
		For Reflective Tape, Add	*5.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	88.91	10.46
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	96.07	10.46
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	96.07	10.46
		For Reflective Tape, Add	*5.68*	
32 39 23 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	128.29	10.46
		For Reflective Tape, Add	*5.68*	

32 39 26 Manufactured Stone Bollards *(32 39)*

32 39 26 00-0001 Stone Bollards *(32 39 26)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 26 00-0002 Granite Bollards *(32 39 26 00-0001)*

32 39 26 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,112.62	99.82
32 39 26 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,408.28	139.75
32 39 26 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	687.67	99.82
32 39 26 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,022.89	79.86
32 39 26 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,529.18	79.86

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	35.24	9.25
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	48.76	9.25
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	47.81	9.25
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	60.51	9.25

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	87.35	9.25
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	88.05	9.25
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	41.14	9.25
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	41.70	9.25
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	93.86	9.25
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	49.55	9.25
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	53.93	9.25

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	40.57	9.25
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	40.57	9.25
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	40.57	9.25
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	45.18	9.25

32 84 13 00-0020 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	3.16	1.30
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	3.14	1.48
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	2.72	1.30
		For Shallow Trenching And Backfill By Hand, Add	*5.32*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	3.11	1.48
		For Shallow Trenching And Backfill By Hand, Add	*5.76*	

32 84 13 00-0025 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.39	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.41	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.44	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	2.52	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	2.38	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.48	
		For Compression Fitting, Add	*0.17*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	2.52	
		For Compression Fitting, Add	*0.21*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	2.55	
		For Compression Fitting, Add	*0.24*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	2.56	
		For Compression Fitting, Add	*0.25*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	2.66	
		For Compression Fitting, Add	*0.35*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	2.78	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.38	

32 84 13 00-0038 Drip Emitters *(32 84 13 00-0001)*

32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	4.89	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	5.33	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	10.10	

32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters *(32 84 13 00-0001)*

32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	19.20	8.33
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	19.23	8.33
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	20.46	8.33
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	20.59	8.33
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	28.90	10.92
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	30.49	10.92
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	28.59	10.92

32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) *(32 84 13 00-0001)*

Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.

32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	3.58	1.62

32 84 23 Underground Sprinklers *(32 84)*

32 84 23 00-0001 Sprinkler Heads *(32 84 23)*

32 84 23 00-0002 Spray Sprinkler Heads *(32 84 23 00-0001)*

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	25.86	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	24.96	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	28.30	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	31.11	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	26.22	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	30.93	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	33.19	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	27.56	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	31.85	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	33.97	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	28.10	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	34.68	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	36.77	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	23.20	10.22
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	25.29	10.22

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0001)*			
		Note: Maximum spacing is equivalent to maximum radius.			
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*			
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.			
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)		32.48	10.22
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)		33.22	10.22
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*			
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.			
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)		30.69	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)		38.74	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)		32.18	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)		39.93	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)		32.78	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)		33.97	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)		41.72	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)		46.49	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)		33.82	10.22
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)		38.59	10.22
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*			
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.			
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)		49.92	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add		*21.94*	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*			
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.			
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)		67.21	10.22
		For Non-Potable Cover, Add		*2.00*	
		For Stainless Steel Riser, Add		*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*			
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.			
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)		41.57	10.22
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)		34.42	10.22
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)		58.26	10.22
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*			
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*			
		Note: 15 to 150 PSI.			
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)		108.98	42.60

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	108.98	42.60
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	121.16	48.57
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	109.58	42.60
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	109.58	42.60
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	122.06	48.57
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	122.65	48.57
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	157.28	42.60
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	178.15	42.60
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	204.99	42.60
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	213.85	47.88
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	234.72	47.88
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	261.55	47.88
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	243.66	47.88
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	264.53	47.88
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	291.37	47.88
32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	216.64	42.60
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	312.59	42.60
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	321.27	42.60
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	718.70	57.51
32 84 23 00-0068		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	207.38	47.88
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	235.91	47.88
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	266.89	47.88
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	307.68	47.88
32 84 23 00-0073		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	261.01	47.88
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	374.85	47.88
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	384.61	47.88
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	756.49	47.88

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	260.01	42.60
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	355.96	42.60
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	364.64	42.60
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	762.07	57.51
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	252.10	47.88
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	280.63	47.88
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	311.61	47.88
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	352.40	47.88
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	304.38	47.88
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	418.22	47.88
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	427.98	47.88
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	799.86	47.88
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	78.81	
32 84 23 00-0095		**Remote Control Valve Assemblies** *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	369.63	106.51
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	390.50	106.51
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	417.33	106.51
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	399.44	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	420.32	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	447.15	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	407.88	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	467.39	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	508.18	106.51
		Note: Purple components for use with recycled water		
32 84 23 00-0105		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	70.49	30.67
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	77.53	30.67
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	101.82	40.39
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	171.94	58.96
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	174.77	58.96

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	195.07	58.96
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	197.49	58.96
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	313.52	58.96
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	463.80	58.96
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	307.59	101.84
		For 12" Extension, Add	*62.12*	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	455.22	101.84
		For 12" Extension, Add	*62.12*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	140.39	51.12
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	196.35	58.96
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	110.38	40.39

32 84 23 00-0120 Irrigation Controllers *(32 84 23)*

See CSI section 27 14 13 16-0349 for low voltage wiring.

32 84 23 00-0121 Irrigation Controllers *(32 84 23 00-0120)*

32 84 23 00-0122 Irrigation Controllers (Rain Bird®) *(32 84 23 00-0121)*

32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0122)*

32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0123)*

32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0124)*

32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	211.45	27.16
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	296.52	27.16
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	381.57	27.16
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	466.63	27.16
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	524.53	27.16
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	612.98	27.16
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	701.44	27.16

32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0124)*

32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	237.73	27.16
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	322.80	27.16
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	407.85	27.16
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	492.91	27.16
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	550.81	27.16
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	639.26	27.16
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	727.72	27.16

32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0123)*

32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0141)*

32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	302.75	27.16
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	387.82	27.16
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	472.87	27.16
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	557.93	27.16
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	615.83	27.16
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	704.28	27.16
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	792.74	27.16

32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0141)*

32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	322.44	27.16
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	407.51	27.16
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	492.56	27.16
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	577.62	27.16
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	635.52	27.16
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	723.97	27.16
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	812.43	27.16

32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0123)*

32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	88.45	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	171.43	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	195.46	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0162		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0122)*		
32 84 23 00-0163		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	476.67	27.16
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	582.40	27.16
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	689.40	27.16
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	795.12	27.16
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	902.13	27.16
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,007.86	27.16
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,114.86	27.16
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,220.58	27.16
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,327.59	27.16
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,433.33	27.16
32 84 23 00-0174		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	447.42	27.16
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	553.15	27.16
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	660.16	27.16
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	765.88	27.16
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	872.88	27.16
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	978.62	27.16
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,085.61	27.16
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,191.34	27.16
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,298.34	27.16
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,404.07	27.16
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,511.08	27.16
32 84 23 00-0186		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	300.54	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	687.12	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	622.40	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	1,375.46	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	105.73	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	212.72	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	327.22	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	114.87	
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)*		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	215.32	27.16
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	264.80	27.16
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	342.07	27.16
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	223.07	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	60.72	20.38
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	102.51	20.38
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	195.08	20.38
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	202.73	20.38
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	269.02	20.38
32 84 23 00-0208		Two-Wire Decoder Systems *(32 84 23 00-0120)*		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0210		**Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)** *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,227.52	27.16
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,900.42	27.16
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,573.34	27.16
32 84 23 00-0214		**Field Decoders For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	161.07	27.16
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	202.68	27.16
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	297.02	27.16
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	351.05	27.16
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	560.35	27.16
32 84 23 00-0220		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	938.21	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	672.90	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	123.15	23.77
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	472.63	27.16
32 84 23 00-0225		**Calsense Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0226		**Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0227	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	1,572.07	67.91
32 84 23 00-0228	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	2,023.26	76.39
32 84 23 00-0229	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	2,768.39	84.88
32 84 23 00-0230	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	3,042.28	84.88
32 84 23 00-0231	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	3,593.69	93.37
32 84 23 00-0232	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	4,328.53	93.37
32 84 23 00-0233	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	4,899.96	101.86
32 84 23 00-0234	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	5,481.15	101.86
32 84 23 00-0235	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	1,586.16	33.95
32 84 23 00-0236	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	675.21	33.95
32 84 23 00-0237		**Irrigation Controller Accessories** *(32 84 23 00-0225)*		
32 84 23 00-0238	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	64.13	
32 84 23 00-0239	EA	Spare Lock For Enclosures (Calsense PAD)	69.48	
32 84 23 00-0240	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	86.45	8.49
32 84 23 00-0241	EA	Transformer For Irrigation Controllers (Calsense TR-1)	134.71	33.95
32 84 23 00-0242	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	341.80	33.95
32 84 23 00-0243	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	448.69	33.95
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*337.19*	
32 84 23 00-0244		**Sensors For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0245		**Flow Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0246	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	783.25	50.92
		For Flow Meter Replacement Insert Only, Deduct	*-420.34*	
32 84 23 00-0247	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	809.97	50.92
		For Flow Meter Replacement Insert Only, Deduct	*-447.06*	
32 84 23 00-0248	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	836.69	50.92
		For Flow Meter Replacement Insert Only, Deduct	*-473.78*	
32 84 23 00-0249	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	930.77	67.91
		For Flow Meter Replacement Insert Only, Deduct	*-567.65*	
32 84 23 00-0250	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	997.57	67.91
		For Flow Meter Replacement Insert Only, Deduct	*-634.45*	
32 84 23 00-0251	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,024.29	67.91
		For Flow Meter Replacement Insert Only, Deduct	*-661.17*	
32 84 23 00-0252	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	1,197.98	67.91
		For Flow Meter Replacement Insert Only, Deduct	*-706.58*	
32 84 23 00-0253	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	922.99	33.95
		For Flow Meter Replacement Insert Only, Deduct	*-431.58*	
32 84 23 00-0254		**Moisture Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0255	EA	Soil Moisture Sensor (Calsense 1000-S)	331.49	25.46
32 84 23 00-0256		**Weather Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0257	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	904.04	67.91
32 84 23 00-0258	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,066.57	135.81
32 84 23 00-0259	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	2,040.79	101.86

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0260		**Weather Sensor Accessories** *(32 84 23 00-0244)*		
32 84 23 00-0261	EA	Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	602.33	
32 84 23 00-0262	EA	Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,123.40	
32 84 23 00-0263	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	602.33	33.95
32 84 23 00-0264	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	1,363.33	33.95
32 84 23 00-0265		**Antennas For Irrigation Controllers** *(32 84 23 00-0225)* Note: Excludes antenna cable.		
32 84 23 00-0266	EA	Local Radio Dome Antenna (Calsense LR-DOME)	321.76	33.95
32 84 23 00-0267	EA	Local Radio Stick Antenna (Calsense LR-STICK)	462.05	33.95
32 84 23 00-0268	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	529.95	67.91
32 84 23 00-0269	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	321.76	33.95
32 84 23 00-0270	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	321.76	33.95
32 84 23 00-0271	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	321.76	33.95
32 84 23 00-0272	EA	GPRS Stick Antenna (Calsense GR-STICK)	462.05	33.95
32 84 23 00-0273	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	321.76	33.95
32 84 23 00-0274	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	462.05	33.95
32 84 23 00-0275	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	529.95	67.91
32 84 23 00-0276	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	321.76	33.95
32 84 23 00-0277	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	321.76	33.95
32 84 23 00-0278	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	321.76	33.95
32 84 23 00-0279	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	321.76	33.95
32 84 23 00-0280	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	8.56	0.41
32 84 23 00-0281	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	314.52	16.97
32 84 23 00-0282	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	515.49	33.95
32 84 23 00-0283	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	434.22	
32 84 23 00-0284	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	614.59	
32 84 23 00-0285	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	454.26	
32 84 23 00-0286		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0287	EA	15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	302.27	50.92
32 84 23 00-0288	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	716.32	84.88
32 84 23 00-0289	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	769.34	33.95
32 84 23 00-0290	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	912.68	25.46
32 84 23 00-0291	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	2,837.52	25.46
32 84 23 00-0292	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	3,204.02	25.46
32 84 23 00-0293	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	4,654.79	50.92
32 84 23 00-0294	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	4,877.97	50.92
32 84 23 00-0295	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	162.72	
32 84 23 00-0296	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	525.22	
32 84 23 00-0297		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0225)*		
32 84 23 00-0298	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	3,578.10	
32 84 23 00-0299	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	6,323.10	
32 84 23 00-0300	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	1,218.19	
32 84 23 00-0301	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	2,388.85	
32 84 23 00-0302	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,842.96	
32 84 23 00-0303	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,295.59	
32 84 23 00-0304		**Data Access Service** *(32 84 23 00-0225)*		
32 84 23 00-0305	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	19.43	
32 84 23 00-0306	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	212.56	
32 84 23 00-0307	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	910.95	
32 84 23 00-0308	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	78.95	
32 84 23 00-0309	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	850.22	
32 84 23 00-0310	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	3,643.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0311		**Communication Options For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0312	EA	FCC License Fee (Calsense)	137.19	
32 84 23 00-0313	EA	P.C.I.A. And/Or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	258.65	
32 84 23 00-0314	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	704.47	
32 84 23 00-0315	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	740.91	
32 84 23 00-0316	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	740.91	
32 84 23 00-0317	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,518.25	
32 84 23 00-0318	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,931.21	
32 84 23 00-0319	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,931.21	
32 84 23 00-0320	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,931.21	
32 84 23 00-0321	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	6,194.46	
32 84 23 00-0322	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	2,393.31	
32 84 23 00-0323		**Retrofit Options For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0324		**Weather Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0325	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	960.64	
32 84 23 00-0326	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	960.64	
32 84 23 00-0327	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	960.64	
32 84 23 00-0328	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	960.64	
32 84 23 00-0329		**Phone Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0330	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,009.23	
32 84 23 00-0331	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,191.41	
32 84 23 00-0332	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,901.96	
32 84 23 00-0333		**Local Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0334	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,130.69	
32 84 23 00-0335	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,369.58	
32 84 23 00-0336	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	3,074.05	
32 84 23 00-0337		**Spread Spectrum Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0338	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,130.69	
32 84 23 00-0339	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,369.58	
32 84 23 00-0340	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	3,074.05	
32 84 23 00-0341		**Ethernet Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0342	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,130.69	
32 84 23 00-0343	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,191.41	
32 84 23 00-0344	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,901.96	
32 84 23 00-0345		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0346	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,130.69	
32 84 23 00-0347	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,369.58	
32 84 23 00-0348	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	3,074.05	
32 84 23 00-0349		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0350	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,136.76	
32 84 23 00-0351	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	240.49	
32 84 23 00-0352	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	103.24	
32 84 23 00-0353	EA	Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	187.01	
32 84 23 00-0354	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	120.21	8.49
32 84 23 00-0355	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	229.53	8.49
32 84 23 00-0356	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	247.74	8.49

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0357		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0358	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,699.76	152.78
32 84 23 00-0359	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,847.20	161.27
32 84 23 00-0360	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	3,931.19	169.75
32 84 23 00-0361		**LEIT Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0362		**LEIT X Series Irrigation Controller** *(32 84 23 00-0361)*		
32 84 23 00-0363	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	2,522.87	27.16
32 84 23 00-0364	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	2,766.33	27.16
32 84 23 00-0365	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,172.27	27.16
32 84 23 00-0366	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,578.20	27.16
32 84 23 00-0367	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,869.19	27.16
32 84 23 00-0368	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,160.19	27.16
32 84 23 00-0369		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0361)* Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0370	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	2,912.18	141.67
32 84 23 00-0371	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	3,155.63	141.67
32 84 23 00-0372	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	3,561.56	141.67
32 84 23 00-0373	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	3,967.49	141.67
32 84 23 00-0374	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	4,258.49	141.67
32 84 23 00-0375	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	4,549.47	141.67
32 84 23 00-0376		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0361)* Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0377	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	1,961.64	187.08
32 84 23 00-0378		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0379		**Hunter XC Hybrid Controller** *(32 84 23 00-0378)* Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0380	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	440.35	67.91
32 84 23 00-0381	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	559.59	84.88
32 84 23 00-0382		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0383	EA	DC Latching Solenoid (Micro Power Solenoid) For Non LEIT Controllers Note: As per manufacture of valve.	26.87	
32 84 23 00-0384	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	39.81	
32 84 23 00-0385		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)* Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0386	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	2,005.36	373.39
32 84 23 00-0387	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	2,168.05	407.32
32 84 23 00-0388	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	2,396.65	441.27
32 84 23 00-0389	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	2,005.38	373.39
32 84 23 00-0390	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	2,168.05	407.32
32 84 23 00-0391	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	2,396.65	441.27
32 84 23 00-0392	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	2,445.34	373.39
32 84 23 00-0393	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	2,663.00	407.32
32 84 23 00-0394	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	2,891.60	441.27
32 84 23 00-0395		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0396		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0395)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0397	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	308.89	35.18
32 84 23 00-0398	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	368.31	42.95
32 84 23 00-0399	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	534.30	49.99
32 84 23 00-0400	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	571.13	57.39
32 84 23 00-0401	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	693.72	74.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0402		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0395)*		
32 84 23 00-0403	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	106.32	30.67
		For Valve Key, Add	*21.91*	
32 84 23 00-0404	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	108.86	30.67
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*21.91*	
32 84 23 00-0405	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	136.74	30.67
		For Valve Key, Add	*56.05*	
32 84 23 00-0406	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	146.87	30.67
		For Valve Key, Add	*56.05*	
32 84 23 00-0407	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	142.10	30.67
32 84 23 00-0408	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	146.87	30.67
32 84 23 00-0409		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0395)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0410	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	160.09	25.92
32 84 23 00-0411	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	223.42	29.63
32 84 23 00-0412	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	390.69	34.25
32 84 23 00-0413	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	474.59	37.95
32 84 23 00-0414	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	484.24	46.28
32 84 23 00-0415		**Aluminum Cam And Groove Adapter** *(32 84 23 00-0395)*		
32 84 23 00-0416	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread	31.31	
32 84 23 00-0417	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread	33.02	
32 84 23 00-0418	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread	32.00	
32 84 23 00-0419	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread	34.32	
32 84 23 00-0420		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0421		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0420)*		
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0422		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0421)*		
32 84 23 00-0423	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	2.40	0.86
		For >1,000, Deduct	*-0.12*	
32 84 23 00-0424	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	2.96	1.07
		For >1,000, Deduct	*-0.15*	
32 84 23 00-0425	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.60	1.28
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0426	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.78	1.62
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0427	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.01	2.03
		For >1,000, Deduct	*-0.30*	
32 84 23 00-0428	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.68	2.37
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0429	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.56	3.41
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0430	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	13.81	4.26
		For >1,000, Deduct	*-0.69*	
32 84 23 00-0431	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.70	5.32
		For >1,000, Deduct	*-0.99*	
32 84 23 00-0432		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0421)*		
32 84 23 00-0433	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	2.79	1.07
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0434	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	3.31	1.28
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0435	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.59	1.62
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0436	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	5.85	2.03
		For >1,000, Deduct	*-0.29*	
32 84 23 00-0437	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	7.43	2.37
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0438	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.47	3.41
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0439	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.34	4.26
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0440	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	23.03	5.32
		For >1,000, Deduct	*-1.15*	
32 84 23 00-0441		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0421)*		
32 84 23 00-0442	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	2.93	1.07
		For >1,000, Deduct	*-0.15*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0443	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.51	1.28
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0444	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.95	1.62
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0445	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.46	2.03
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0446	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.41	2.37
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0447	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.56	3.41
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0448	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	13.81	4.26
		For >1,000, Deduct	*-0.69*	
32 84 23 00-0449	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	20.02	5.32
		For >1,000, Deduct	*-1.00*	

32 84 23 00-0450 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted
(32 84 23 00-0420)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0451 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0452	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	4.61	1.07
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0453	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	5.24	1.28
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0454	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.42	1.62
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0455	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.66	2.03
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0456	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.33	2.37
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0457	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.22	3.41
		For >1,000, Deduct	*-0.61*	
32 84 23 00-0458	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	15.46	4.26
		For >1,000, Deduct	*-0.77*	
32 84 23 00-0459	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.34	5.32
		For >1,000, Deduct	*-1.07*	

32 84 23 00-0460 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0461	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	4.80	1.07
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0462	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	5.42	1.28
		For >1,000, Deduct	*-0.27*	
32 84 23 00-0463	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.62	1.62
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0464	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.85	2.03
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0465	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.53	2.37
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0466	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.41	3.41
		For >1,000, Deduct	*-0.62*	
32 84 23 00-0467	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	15.65	4.26
		For >1,000, Deduct	*-0.78*	
32 84 23 00-0468	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.53	5.32
		For >1,000, Deduct	*-1.08*	

32 84 23 00-0469 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0470	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	4.99	1.07
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0471	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	5.62	1.28
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0472	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.81	1.62
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0473	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.04	2.03
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0474	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.72	2.37
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0475	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.59	3.41
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0476	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	15.84	4.26
		For >1,000, Deduct	*-0.79*	
32 84 23 00-0477	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.72	5.32
		For >1,000, Deduct	*-1.09*	

32 84 23 00-0478 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0479	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	4.52	1.07
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0480	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	5.10	1.28
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0481	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.43	1.62
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0482	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.96	2.03
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0483	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.81	2.37
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0484	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.12	3.41
		For >1,000, Deduct	*-0.61*	
32 84 23 00-0485	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	15.99	4.26
		For >1,000, Deduct	*-0.80*	
32 84 23 00-0486	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	24.68	5.32
		For >1,000, Deduct	*-1.23*	

32 84 23 00-0487 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0488	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	4.71	1.07
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0489	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	5.28	1.28
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0490	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.63	1.62
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0491	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.15	2.03
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0492	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.01	2.37
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0493	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.31	3.41
		For >1,000, Deduct	*-0.62*	
32 84 23 00-0494	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.18	4.26
		For >1,000, Deduct	*-0.81*	
32 84 23 00-0495	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	24.87	5.32
		For >1,000, Deduct	*-1.24*	

32 84 23 00-0496 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0497	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	4.90	1.07
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0498	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	5.48	1.28
		For >1,000, Deduct	*-0.27*	
32 84 23 00-0499	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	6.82	1.62
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0500	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.34	2.03
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0501	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.20	2.37
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0502	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.49	3.41
		For >1,000, Deduct	*-0.62*	
32 84 23 00-0503	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.37	4.26
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0504	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	25.06	5.32
		For >1,000, Deduct	*-1.25*	

32 84 23 00-0505 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0506	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	4.58	1.07
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0507	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	5.15	1.28
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0508	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.59	1.62
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0509	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.11	2.03
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0510	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.05	2.37
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0511	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.22	3.41
		For >1,000, Deduct	*-0.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0512	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	15.46	4.26
		For >1,000, Deduct	*-0.77*	
32 84 23 00-0513	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.67	5.32
		For >1,000, Deduct	*-1.08*	

32 84 23 00-0514 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0515	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	4.77	1.07
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0516	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	5.33	1.28
		For >1,000, Deduct	*-0.27*	
32 84 23 00-0517	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.79	1.62
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0518	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.30	2.03
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0519	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.25	2.37
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0520	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.41	3.41
		For >1,000, Deduct	*-0.62*	
32 84 23 00-0521	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	15.65	4.26
		For >1,000, Deduct	*-0.78*	
32 84 23 00-0522	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.86	5.32
		For >1,000, Deduct	*-1.09*	

32 84 23 00-0523 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0450)*

32 84 23 00-0524	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	4.96	1.07
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0525	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	5.53	1.28
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0526	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.98	1.62
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0527	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.49	2.03
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0528	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.44	2.37
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0529	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.59	3.41
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0530	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	15.84	4.26
		For >1,000, Deduct	*-0.79*	
32 84 23 00-0531	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.05	5.32
		For >1,000, Deduct	*-1.10*	

32 84 23 00-0532 Irrigation Riser Piping With Fittings *(32 84 23 00-0420)*

32 84 23 00-0533	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	12.36	2.56
32 84 23 00-0534	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	13.46	3.19
32 84 23 00-0535	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	13.37	2.98
32 84 23 00-0536	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	14.74	3.72
32 84 23 00-0537	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	26.05	4.47
32 84 23 00-0538	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	27.99	5.60
32 84 23 00-0539	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	30.71	5.75
32 84 23 00-0540	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	33.20	7.19
32 84 23 00-0541	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	35.36	7.02
32 84 23 00-0542	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	38.41	8.79

32 84 23 00-0543 Irrigation Crossover Piping With Fittings *(32 84 23 00-0420)*

Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0587 for irrigation wiring.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0544		**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench** *(32 84 23 00-0543)*		
32 84 23 00-0545	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	26.91	
		For >1,000, Deduct	*-1.35*	
32 84 23 00-0546	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	37.93	
		For >1,000, Deduct	*-1.90*	
32 84 23 00-0547	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	52.10	
		For >1,000, Deduct	*-2.61*	
32 84 23 00-0548	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	68.70	
		For >1,000, Deduct	*-3.44*	
32 84 23 00-0549		**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench** *(32 84 23 00-0543)*		
32 84 23 00-0550	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	27.48	
		For >1,000, Deduct	*-1.37*	
32 84 23 00-0551	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	38.57	
		For >1,000, Deduct	*-1.93*	
32 84 23 00-0552	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	52.81	
		For >1,000, Deduct	*-2.64*	
32 84 23 00-0553	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	69.46	
		For >1,000, Deduct	*-3.47*	
32 84 23 00-0554		**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench** *(32 84 23 00-0543)*		
32 84 23 00-0555	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	28.05	
		For >1,000, Deduct	*-1.40*	
32 84 23 00-0556	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	39.20	
		For >1,000, Deduct	*-1.96*	
32 84 23 00-0557	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	53.50	
		For >1,000, Deduct	*-2.68*	
32 84 23 00-0558	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	70.23	
		For >1,000, Deduct	*-3.51*	
32 84 23 00-0559		**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore** *(32 84 23 00-0543)*		
32 84 23 00-0560	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	69.90	
		For >1,000, Deduct	*-3.50*	
32 84 23 00-0561	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	89.61	
		For >1,000, Deduct	*-4.48*	
32 84 23 00-0562	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	108.08	
		For >1,000, Deduct	*-5.40*	
32 84 23 00-0563	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	128.96	
		For >1,000, Deduct	*-6.45*	
32 84 23 00-0564		**Below Ground Cam Adapter Assembly** *(32 84 23 00-0420)* Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0565	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	516.03	
32 84 23 00-0566		**Above Ground Cam Adapter Assembly** *(32 84 23 00-0420)* Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0567	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	325.09	
32 84 23 00-0568		**Thrust Block** *(32 84 23 00-0420)*		
32 84 23 00-0569	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	30.14	
32 84 23 00-0570	EA	Thrust Block For 2" Pipe	52.20	
32 84 23 00-0571	EA	Thrust Block For 3" And 4" Pipe	74.26	
32 84 23 00-0572	EA	Thrust Block For 6" Pipe	118.74	
32 84 23 00-0573	EA	Thrust Block For 8" Pipe	169.85	
32 84 23 00-0574		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0575	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	40.34	16.96
32 84 23 00-0576	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	45.69	18.93
32 84 23 00-0577	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	57.62	18.93

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0578	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	34.65	22.10
32 84 23 00-0579	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	46.25	29.48
32 84 23 00-0580	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	57.47	36.15
32 84 23 00-0581	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	49.70	22.44
32 84 23 00-0582	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	65.68	29.78
32 84 23 00-0583	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	80.31	36.52
32 84 23 00-0584	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	28.03	13.75
32 84 23 00-0585	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	37.42	18.33
32 84 23 00-0586	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	43.94	22.72
32 84 23 00-0587		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0588		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0587)*		
32 84 23 00-0589	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	36.81	12.78
32 84 23 00-0590	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	47.32	14.91
32 84 23 00-0591	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	54.40	17.04
32 84 23 00-0592	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	62.08	19.17
32 84 23 00-0593	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	70.40	21.31
32 84 23 00-0594	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.11	23.43
32 84 23 00-0595	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	95.32	25.56
32 84 23 00-0596	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	103.53	27.70
32 84 23 00-0597	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	113.39	29.82
32 84 23 00-0598	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	124.53	31.95
32 84 23 00-0599	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	129.40	34.09
32 84 23 00-0600	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	134.92	36.21
32 84 23 00-0601	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	142.41	38.34
32 84 23 00-0602		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0587)*		
32 84 23 00-0603	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	38.47	12.78
32 84 23 00-0604		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0587)*		
32 84 23 00-0605	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	38.47	12.78
32 84 23 00-0606		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0587)*		
32 84 23 00-0607	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	49.46	12.78
32 84 23 00-0608		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0587)*		
32 84 23 00-0609	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	63.38	12.78
32 84 23 00-0610		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0611	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	62.54	17.04
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0612	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	66.49	17.04
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0613	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	62.54	17.04
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0614	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	66.49	17.04
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0615	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	66.49	17.04
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0616	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	54.36	14.91
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0617	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	58.14	14.91
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0618	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	54.36	14.91
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0619	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	58.14	14.91
		For Root Watering Sand Sock, Add	*0.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0620	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	38.61	12.78
		For Root Watering Sand Sock, Add	*0.74*	
32 84 23 00-0621	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	42.22	12.78
		For Root Watering Sand Sock, Add	*0.74*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	105.72
		For >5 To 20, Deduct	*-8.04*
		For >20 To 50, Deduct	*-12.06*
		For >50, Deduct	*-17.34*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	203.67
		For >5 To 20, Deduct	*-12.94*
		For >20 To 50, Deduct	*-19.40*
		For >50, Deduct	*-29.59*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	93.96
		For >5 To 20, Deduct	*-7.45*
		For >20 To 50, Deduct	*-11.18*
		For >50, Deduct	*-15.87*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	87.73
		For >5 To 20, Deduct	*-7.14*
		For >20 To 50, Deduct	*-10.71*
		For >50, Deduct	*-15.09*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	86.42
		For >5 To 20, Deduct	*-7.07*
		For >20 To 50, Deduct	*-10.61*
		For >50, Deduct	*-14.93*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0007	CY	Pine Wood Chip Mulch	83.81
		For >5 To 20, Deduct	*-6.94*
		For >20 To 50, Deduct	*-10.41*
		For >50, Deduct	*-14.60*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0008	CY	Hardwood Chip Mulch	89.04
		For >5 To 20, Deduct	*-7.20*
		For >20 To 50, Deduct	*-10.81*
		For >50, Deduct	*-15.26*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0009	CY	Shredded Hardwood Mulch	89.04
		For >5 To 20, Deduct	*-7.20*
		For >20 To 50, Deduct	*-10.81*
		For >50, Deduct	*-15.26*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0010	CY	Shredded Pine Mulch	77.27
		For >5 To 20, Deduct	*-6.62*
		For >20 To 50, Deduct	*-9.92*
		For >50, Deduct	*-13.79*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0011	CY	Shredded Cedar Mulch	102.77
		For >5 To 20, Deduct	*-7.89*
		For >20 To 50, Deduct	*-11.84*
		For >50, Deduct	*-16.97*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0012	CY	Shredded Cypress Mulch	100.81
		For >5 To 20, Deduct	*-7.79*
		For >20 To 50, Deduct	*-11.69*
		For >50, Deduct	*-16.73*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0013	CY	Shredded Redwood Mulch	106.04
		For >5 To 20, Deduct	*-8.05*
		For >20 To 50, Deduct	*-12.08*
		For >50, Deduct	*-17.38*
		For Work On Slopes >2.5:1, Add	*11.01*
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	161.67
		For >5 To 20, Deduct	*-11.59*
		For >20 To 50, Deduct	*-17.39*
		For >50, Deduct	*-25.47*
		For Work On Slopes >2.5:1, Add	*14.03*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	251.90	
		For >5 To 20, Deduct	*-16.10*	
		For >20 To 50, Deduct	*-24.15*	
		For >50, Deduct	*-36.75*	
		For Work On Slopes >2.5:1, Add	*14.03*	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	253.20	
		For >5 To 20, Deduct	*-16.17*	
		For >20 To 50, Deduct	*-24.25*	
		For >50, Deduct	*-36.91*	
		For Work On Slopes >2.5:1, Add	*14.03*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	433.65	
		For >5 To 20, Deduct	*-25.19*	
		For >20 To 50, Deduct	*-37.78*	
		For >50, Deduct	*-59.47*	
		For Work On Slopes >2.5:1, Add	*14.03*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	7.61	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-0.91*	
		For Work On Slopes >2.5:1, Add	*0.61*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	7.66	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.88*	
		For Work On Slopes >2.5:1, Add	*0.46*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	66.24	
		For Work On Slopes >2.5:1, Add	*11.01*	
		For >100 To 1,000, Deduct	*-11.57*	
		For >1,000, Deduct	*-17.63*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.86	
		For Work On Slopes >2.5:1, Add	*0.17*	
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.99	
		For Work On Slopes >2.5:1, Add	*0.20*	
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.17	
		For Work On Slopes >2.5:1, Add	*0.23*	
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	3.92	
		For Work On Slopes >2.5:1, Add	*0.78*	
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.51	
		For Work On Slopes >2.5:1, Add	*0.90*	
32 91 13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.31	
		For Work On Slopes >2.5:1, Add	*1.06*	

32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	0.95	
		For Work On Slopes >2.5:1, Add	*0.18*	
		For >1,000 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF)	1.17	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	*0.22*	
		For >1,000 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.55*	
		For >20,000, Deduct	*-0.78*	
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)	1.38	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.91*	

32 91 13 26-0012 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil	67.91	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*13.58*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil	135.81	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*27.16*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil	10.57	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*2.11*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil	13.75	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*2.75*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	60.34	
		For Work On Slopes >2.5:1, Add	*12.07*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	100.12	
		For Work On Slopes >2.5:1, Add	*11.01*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.83	
		For Work On Slopes >2.5:1, Add	*1.17*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	59.69	
		For Work On Slopes >2.5:1, Add	*2.92*	

32 91 13 26-0021 Weed Barrier *(32 91 13 26)*

32 91 13 26-0022	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.45	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0023	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	1.92	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0024	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.13	
		For Work On Slopes >2.5:1, Add	*0.11*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader	0.18
32 91 13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader	15.34
32 91 13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader	0.04
32 91 13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread	1.68
32 91 13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread	3.57
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.06
32 91 13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader	3.38
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	1.36
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	140.05
32 91 13 33-0011	SY	Vermiculite, Push Spreader	1.27
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	136.82
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 10 LB/MSF, Push Spreader	0.13
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	11.47

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	66.22	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	54.32	
32 91 13 36-0004	MSF	Screen Loam By Hand	36.21	
32 91 13 36-0005	SY	Roll Topsoil With Machine	0.84	
32 91 13 36-0006	SY	Roll Topsoil By Hand	2.43	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	7.84	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	24.61	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	40.98	
		For >45 to 225, Deduct	*-28.69*	
		For >225, Deduct	*-36.88*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	68.31	
		For >45 to 225, Deduct	*-47.82*	
		For >225, Deduct	*-61.48*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	3.66	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	7.42	
		For Work On Slopes >2.5:1, Add	*1.48*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.57	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.70	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	0.87	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	0.96	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	4.57	
		For Work On Slopes >2.5:1, Add	*0.91*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.49	
		For Work On Slopes >2.5:1, Add	*0.10*	
32 91 13 36-0020	SY	Pile Sod By Hand	2.72	
		For Work On Slopes >2.5:1, Add	*0.54*	
32 91 13 36-0021	SY	Pile Sod With Machine	0.93	
		For Work On Slopes >2.5:1, Add	*0.19*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement And Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	3.82	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	3.78	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	8.31	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	5.55	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	6.28	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	51.83	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0037 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	3.34	
		For Unscreened, Deduct	*-0.47*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	6.45	
		For Unscreened, Deduct	*-0.95*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	9.37	
		For Unscreened, Deduct	*-1.42*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	13.58	
		For Unscreened, Deduct	*-2.13*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	17.79	
		For Unscreened, Deduct	*-2.83*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	49.44	
		For Unscreened, Deduct	*-8.50*	

32 91 19 16 Scarify Soil *(32 91 19)*

32 91 19 16-0001 Scarify Soil For Planting Preparation *(32 91 19 16)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	49.46	
32 91 19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	34.61	
32 91 19 16-0004	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	20.29	

32 92 Turf And Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	183.49	
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	32.24	
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	26.09	

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	140.54	
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	24.90	
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	19.47	

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	116.95	
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	16.49	
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	12.31	

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	43.63
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	28.59
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	29.17
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	32.10
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	34.20
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	31.40
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	27.90
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	21.30
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	73.48
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	42.62
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	21.23
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	24.03

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	86.00
		For Spot Areas Up To 1, Add	*80.85*
		For >1 To 4, Add	*50.98*
		For >4 To 7.5, Add	*33.94*
		For >7.5 To 10, Add	*16.97*
		For >45, Deduct	*-6.41*
		For Tackifier, Add	*0.79*
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	92.66
		For Spot Areas Up To 1, Add	*83.52*
		For >1 To 4, Add	*52.32*
		For >4 To 7.5, Add	*34.60*
		For >7.5 To 10, Add	*17.30*
		For >45, Deduct	*-6.74*
		For Tackifier, Add	*0.79*
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	86.28
		For Spot Areas Up To 1, Add	*80.97*
		For >1 To 4, Add	*51.04*
		For >4 To 7.5, Add	*33.97*
		For >7.5 To 10, Add	*16.98*
		For >45, Deduct	*-6.43*
		For Tackifier, Add	*0.79*
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	86.00
		For Spot Areas Up To 1, Add	*80.85*
		For >1 To 4, Add	*50.98*
		For >4 To 7.5, Add	*33.94*
		For >7.5 To 10, Add	*16.97*
		For >45, Deduct	*-6.41*
		For Tackifier, Add	*0.79*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding	92.66	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For Spot Areas Up To 1, Add	*83.52*	
		For >1 To 4, Add	*52.32*	
		For >4 To 7.5, Add	*34.60*	
		For >7.5 To 10, Add	*17.30*	
		For >45, Deduct	*-6.74*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding	89.81	
		Note: 6 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*82.38*	
		For >1 To 4, Add	*51.75*	
		For >4 To 7.5, Add	*34.32*	
		For >7.5 To 10, Add	*17.16*	
		For >45, Deduct	*-6.60*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding	87.50	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*81.45*	
		For >1 To 4, Add	*51.28*	
		For >4 To 7.5, Add	*34.09*	
		For >7.5 To 10, Add	*17.04*	
		For >45, Deduct	*-6.49*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding	80.09	
		Note: 0.10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*78.49*	
		For >1 To 4, Add	*49.80*	
		For >4 To 7.5, Add	*33.35*	
		For >7.5 To 10, Add	*16.67*	
		For >45, Deduct	*-6.12*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding	146.90	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*105.21*	
		For >1 To 4, Add	*63.16*	
		For >4 To 7.5, Add	*40.03*	
		For >7.5 To 10, Add	*20.01*	
		For >45, Deduct	*-9.46*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	125.99	
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*96.85*	
		For >1 To 4, Add	*58.98*	
		For >4 To 7.5, Add	*37.94*	
		For >7.5 To 10, Add	*18.97*	
		For >45, Deduct	*-8.41*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	71.06	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*74.88*	
		For >1 To 4, Add	*48.00*	
		For >4 To 7.5, Add	*32.44*	
		For >7.5 To 10, Add	*16.22*	
		For >45, Deduct	*-5.66*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding	82.20	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*79.33*	
		For >1 To 4, Add	*50.22*	
		For >4 To 7.5, Add	*33.56*	
		For >7.5 To 10, Add	*16.78*	
		For >45, Deduct	*-6.22*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	87.91	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*81.62*	
		For >1 To 4, Add	*51.37*	
		For >4 To 7.5, Add	*34.13*	
		For >7.5 To 10, Add	*17.06*	
		For >45, Deduct	*-6.51*	
		For Tackifier, Add	*0.79*	
32 92 19 13-0028	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium	75.89	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-4.85*	
32 92 19 13-0029	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium	87.90	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-5.50*	
32 92 19 13-0030	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium	99.97	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-6.16*	
32 92 19 13-0031	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium	112.08	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-6.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0032	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	124.26	
		For >45, Deduct	*-7.50*	

32 92 19 19 Seeding By Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	94.16	
		For >5 To 20, Deduct	*-6.41*	
		For >20 To 45, Deduct	*-12.15*	
		For >45, Deduct	*-19.60*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	79.12	
		For >5 To 20, Deduct	*-5.65*	
		For >20 To 45, Deduct	*-11.03*	
		For >45, Deduct	*-18.10*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	79.70	
		For >5 To 20, Deduct	*-5.68*	
		For >20 To 45, Deduct	*-11.07*	
		For >45, Deduct	*-18.16*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	82.63	
		For >5 To 20, Deduct	*-5.83*	
		For >20 To 45, Deduct	*-11.29*	
		For >45, Deduct	*-18.45*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	84.73	
		For >5 To 20, Deduct	*-5.93*	
		For >20 To 45, Deduct	*-11.45*	
		For >45, Deduct	*-18.66*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	81.93	
		For >5 To 20, Deduct	*-5.79*	
		For >20 To 45, Deduct	*-11.24*	
		For >45, Deduct	*-18.38*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	78.43	
		For >5 To 20, Deduct	*-5.62*	
		For >20 To 45, Deduct	*-10.97*	
		For >45, Deduct	*-18.03*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	71.83	
		For >5 To 20, Deduct	*-5.29*	
		For >20 To 45, Deduct	*-10.48*	
		For >45, Deduct	*-17.37*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	124.01	
		For >5 To 20, Deduct	*-7.90*	
		For >20 To 45, Deduct	*-14.39*	
		For >45, Deduct	*-22.59*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	93.15	
		For >5 To 20, Deduct	*-6.36*	
		For >20 To 45, Deduct	*-12.08*	
		For >45, Deduct	*-19.50*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	71.76	
		For >5 To 20, Deduct	*-5.29*	
		For >20 To 45, Deduct	*-10.47*	
		For >45, Deduct	*-17.36*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	74.56	
		For >5 To 20, Deduct	*-5.43*	
		For >20 To 45, Deduct	*-10.68*	
		For >45, Deduct	*-17.64*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	95.97	
		For >5 To 20, Deduct	*-6.50*	
		For >20 To 45, Deduct	*-12.29*	
		For >45, Deduct	*-19.78*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	90.74	
		For >5 To 20, Deduct	*-6.23*	
		For >20 To 45, Deduct	*-11.90*	
		For >45, Deduct	*-19.26*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	86.93	
		For >5 To 20, Deduct	*-6.04*	
		For >20 To 45, Deduct	*-11.61*	
		For >45, Deduct	*-18.88*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	94.54	
		Note: 4.4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-6.42*	
		For >20 To 45, Deduct	*-12.18*	
		For >45, Deduct	*-19.64*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	88.83	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-6.14*	
		For >20 To 45, Deduct	*-11.75*	
		For >45, Deduct	*-19.07*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	84.73	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.93*	
		For >20 To 45, Deduct	*-11.45*	
		For >45, Deduct	*-18.66*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	1,777.44	
		For Hybrid Fescue "Marathon", Add	*124.67*	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,434.29	
		For Hybrid Fescue "Marathon", Add	*93.68*	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,208.22	
		For Hybrid Fescue "Marathon", Add	*78.18*	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,024.80	
		For Hybrid Fescue "Marathon", Add	*62.68*	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,042.80	
		For Hybrid Fescue "Marathon", Add	*124.67*	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,660.45	
		For Hybrid Fescue "Marathon", Add	*93.68*	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,364.24	
		For Hybrid Fescue "Marathon", Add	*78.18*	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,157.47	
		For Hybrid Fescue "Marathon", Add	*62.68*	

32 92 23 00-0010 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,837.43
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,479.28
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,245.72
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,054.79
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,102.79
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,705.44
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,401.74
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,187.46

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 53 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass	8.91
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass	10.86
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass	12.81
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass	49.18
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	5.48
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	7.89
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	10.86
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.90
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass	6.96
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass	12.81
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	10.86
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	18.74
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	24.68
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	10.86
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	18.74
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	24.68
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass	4.36
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass	6.96
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass	12.81
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass	8.91
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass	12.81
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass	24.68
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass	7.89
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass	12.81

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass	9.84	
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass	14.85	
32 93 13 00-0028		**Ground Covers** *(32 93 13)*		
32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	6.77	
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	18.25	
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	60.34	
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	5.77	
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	16.07	
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	5.77	
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	15.01	
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily	5.06	
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily	12.48	
32 93 13 00-0038	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	9.41	
32 93 13 00-0039	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	24.71	
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN	7.05	
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	104.03	
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	9.41	
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	5.11	
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	12.81	
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	5.06	
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	12.48	
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	51.21	
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	9.84	
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	12.81	
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	16.21	
32 93 13 00-0051	EA	1 Quart Waldsteinia ternata - Barren Strawberry	2.78	
32 93 13 00-0052	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	6.68	
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	9.09	
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	17.26	
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	30.44	
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	3.11	
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	5.75	
32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	20.23	
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	7.55	
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	4.64	
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	10.58	
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	28.95	
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	9.73	
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft	2.78	
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft	6.68	
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	6.68	
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	24.13	
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle	1.67	
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle	2.78	
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle	6.68	
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	28.77	
32 93 13 00-0072	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	6.68	
32 93 13 00-0073	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	28.95	
32 93 13 00-0074	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	8.72	
32 93 13 00-0075	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	19.30	
32 93 13 00-0076	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	28.95	
32 93 13 00-0077	EA	1 Gallon Ranunculaceae - Clematis Varieties	9.59	
32 93 13 00-0078	EA	2 Gallon Ranunculaceae - Clematis Varieties	17.74	
32 93 13 00-0079	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	12.06	
32 93 13 00-0080	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	22.64	
32 93 13 00-0081	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	37.12	
32 93 13 00-0082	EA	4" Pot Lantana camera - Common Lantana	1.67	
32 93 13 00-0083	EA	1 Gallon Lantana camera - Common Lantana	4.83	
32 93 13 00-0084	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	5.75	
32 93 13 00-0085	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	18.93	
32 93 13 00-0086	EA	2 Quart Lysimachia nummularia - Creeping Jenny	2.78	
32 93 13 00-0087	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	5.38	
32 93 13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft	4.83	
32 93 13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft	8.72	
32 93 13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft	18.37	
32 93 13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope	1.22	
32 93 13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	1.67	
32 93 13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	6.68	
32 93 13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch	1.11	
32 93 13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch	37.68	
32 93 13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller	2.78	
32 93 13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller	6.68	
32 93 13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	23.20	
32 93 13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	42.50	
32 93 13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly	5.04	
32 93 13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly	10.80	
32 93 13 00-0102	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	10.80	
32 93 13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	3.60	
32 93 13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy	1.67	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy	2.78	
32 93 13 00-0106	EA	1 Gallon Hedera helix - English Ivy	6.68	
32 93 13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy	38.60	
32 93 13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender	2.41	
32 93 13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender	4.64	
32 93 13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender	7.61	
32 93 13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	7.24	
32 93 13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	14.48	
32 93 13 00-0113	EA	1 Quart Arundo donax - Giant Reed	8.91	
32 93 13 00-0114	EA	1 Gallon Arundo donax - Giant Reed	12.81	
32 93 13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	7.61	
32 93 13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	14.48	
32 93 13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	9.84	
32 93 13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	14.85	
32 93 13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	1.67	
32 93 13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.61	
32 93 13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	14.48	
32 93 13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	6.68	
32 93 13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	22.27	
32 93 13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors	8.70	
32 93 13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	6.96	
32 93 13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine	3.51	
32 93 13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine	8.70	
32 93 13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	4.37	
32 93 13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	9.73	
32 93 13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine	5.38	
32 93 13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine	16.89	
32 93 13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear	2.78	
32 93 13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear	6.68	
32 93 13 00-0134	EA	1 Gallon Lantana spp. Various Colors	3.94	
32 93 13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana	2.59	
32 93 13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	5.38	
32 93 13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	19.30	
32 93 13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.94	
32 93 13 00-0139	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	4.97	
32 93 13 00-0140	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	7.95	
32 93 13 00-0141	EA	1 Quart Moss Phlox, Creeping Phlox	2.78	
32 93 13 00-0142	EA	1 Gallon Moss Phlox, Creeping Phlox	6.68	
32 93 13 00-0143	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	3.51	
32 93 13 00-0144	EA	4" Pot Ophiopogon Japonicus - Mondo grass	1.67	
32 93 13 00-0145	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	6.68	
32 93 13 00-0146	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	15.40	
32 93 13 00-0147	EA	2' To 3' High Oregon Holly-Grape	7.71	
32 93 13 00-0148	EA	1 Gallon Pachysandra terminalis - Pachysandra	10.05	
32 93 13 00-0149	EA	2-1/4" Pot Vinca minor - Periwinkle	0.93	
32 93 13 00-0150	EA	4" Pot Vinca minor - Periwinkle	2.78	
32 93 13 00-0151	EA	Bare Root Vinca minor - Periwinkle	0.93	
32 93 13 00-0152	EA	1 Quart Nepeta mussinii - Persian Catmint	2.78	
32 93 13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint	5.75	
32 93 13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	4.64	
32 93 13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	16.89	
32 93 13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	7.61	
32 93 13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	16.33	
32 93 13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	24.13	
32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	6.63	
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	17.17	
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	28.77	
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	3.51	
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.90	
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	6.96	
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	10.86	
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily	4.32	
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily	11.52	
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort	2.78	
32 93 13 00-0169	EA	1 Gallon Hypericum perforatum - St. John's Wort	6.68	
32 93 13 00-0170	EA	5 Gallon Hypericum perforatum - St. John's Wort	17.26	
32 93 13 00-0171	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	23.49	
32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper	10.21	
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper	15.40	
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper	37.12	
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	0.93	
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	2.78	
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	0.93	
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	5.01	
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	6.96	
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	10.86	
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	7.61	
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	3.53	
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	5.38	
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	33.08	
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	1.67	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	8.72	
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	6.68	
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	13.36	
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	23.20	
32 93 13 00-0190	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	5.38	
32 93 13 00-0191	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	18.37	
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	13.75	
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	3.63	
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	11.27	
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	3.85	
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum	13.75	
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	3.85	
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	11.00	
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	3.85	
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	11.00	
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant	10.45	
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant	4.40	

32 93 23 Plants And Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 53 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	5.38	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	7.61	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	12.62	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	2.78	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	6.96	
32 93 23 00-0007	EA	1 Quart Balloon Flower	2.78	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	6.96	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	2.78	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	6.96	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	9.00	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	2.78	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	6.96	
32 93 23 00-0014	EA	1 Quart Blank Flower	2.78	
32 93 23 00-0015	EA	1 Gallon Blank Flower	6.40	
32 93 23 00-0016	EA	2 Gallon Blank Flower	9.00	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.78	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	6.96	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	4.73	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	7.98	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.78	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	6.96	
32 93 23 00-0023	EA	1 Quart Blue Star	5.01	
32 93 23 00-0024	EA	1 Gallon Blue Star	7.98	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.78	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	6.96	
32 93 23 00-0027	EA	4" Pot Columbine	1.67	
32 93 23 00-0028	EA	1 Quart Columbine	2.78	
32 93 23 00-0029	EA	1 Gallon Columbine	6.96	
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.78	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	6.96	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	2.78	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	6.96	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	10.02	
32 93 23 00-0035	EA	1 Quart Diploid	3.53	
32 93 23 00-0036	EA	1 Gallon Diploid	7.98	
32 93 23 00-0037	EA	3 Gallon Diploid	13.73	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	3.97	
32 93 23 00-0039	EA	1 Quart Evans Begonia	5.01	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	9.00	
32 93 23 00-0041	EA	1 Quart False Dragonhead	2.78	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	6.96	
32 93 23 00-0043	EA	1 Quart False Spirea	2.78	
32 93 23 00-0044	EA	1 Gallon False Spirea	9.00	
32 93 23 00-0045	EA	3 Gallon False Spirea	12.44	
32 93 23 00-0046	EA	2 Quart False Sunflower	4.45	
32 93 23 00-0047	EA	1 Gallon False Sunflower	6.96	
32 93 23 00-0048	EA	2 Gallon False Sunflower	9.00	
32 93 23 00-0049	EA	1 Gallon Foxglove	6.40	
32 93 23 00-0050	EA	2 Gallon Foxglove	9.00	
32 93 23 00-0051	EA	3 Gallon Foxglove	12.99	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	11.27	
32 93 23 00-0053	EA	1 Quart Garden Phlox	2.78	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	6.96	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	5.94	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	11.97	
32 93 23 00-0057	EA	1 Quart Golden Star	2.78	
32 93 23 00-0058	EA	1 Gallon Golden Star	6.96	
32 93 23 00-0059	EA	1 Quart Goldenrod	2.78	
32 93 23 00-0060	EA	1 Gallon Goldenrod	6.96	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	12.96	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	1.67	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	2.78	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	6.96	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	2.41	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	3.99	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	6.40	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	9.93	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	15.87	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	20.88	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	1.67	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	5.01	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	9.00	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.99	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.48	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	6.39	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.99	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	7.98	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	33.08	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	5.48	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	10.39	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	10.54	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.67	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.78	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	6.96	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	2.78	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	6.96	
32 93 23 00-0088	EA	2 Quart Plantain Lily	5.38	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	7.61	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	12.62	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	23.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	5.01	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	6.96	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	9.00	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	2.78	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	6.96	
32 93 23 00-0097	EA	1 Quart Rose Mallow	5.48	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	9.93	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	16.98	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	10.61	
32 93 23 00-0101	EA	1 Quart Siberian Iris	4.73	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	9.00	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	12.44	
32 93 23 00-0104	EA	1 Quart Speedwell	2.78	
32 93 23 00-0105	EA	1 Gallon Speedwell	6.96	
32 93 23 00-0106	EA	1 Quart Tetraploid	6.96	
32 93 23 00-0107	EA	1 Gallon Tetraploid	12.99	
32 93 23 00-0108	EA	3 Gallon Tetraploid	17.73	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	2.78	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	6.96	
32 93 23 00-0111	EA	1 Quart Torch Lily	2.78	
32 93 23 00-0112	EA	1 Quart Bluebeard	5.01	
32 93 23 00-0113	EA	1 Gallon Bluebeard	7.42	
32 93 23 00-0114	EA	2 Gallon Bluebeard	10.86	
32 93 23 00-0115		**Annuals** *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	1.29	
32 93 23 00-0117	EA	3" Pot Annual Flowers	1.75	
32 93 23 00-0118	EA	4" Pot Annual Flowers	3.74	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	4.97	
32 93 23 00-0120	EA	6" Pot Annual Flowers	9.83	
32 93 23 00-0121	EA	8" Pot Annual Flowers	16.39	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	21.46	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	24.34	
32 93 23 00-0124		**Bulbs** *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	4.49	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.26	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	0.29	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	0.38	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	0.48	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.19	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.22	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	0.26	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	1.55	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.74	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	0.78	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	0.78	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	0.81	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	0.86	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	0.81	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	0.76	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	0.81	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	0.81	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	0.24	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	0.69	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	0.52	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.69	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	0.60	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	0.86	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	0.66	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	0.57	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	0.64	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	0.64	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.64	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	0.52	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.50	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	0.52	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	0.86	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	0.52	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	0.69	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	0.74	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	0.78	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	0.62	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	0.59	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	0.64	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	0.64	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.50	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	0.35	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	0.52	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	0.67	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	0.52	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar) materials only. See CSI section 32 93 53 00-0033 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	9.80	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	19.95	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	38.30	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	5.11	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	12.65	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	50.21	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	260.06	
32 93 33 00-0009	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	380.08	
32 93 33 00-0010	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	424.09	
32 93 33 00-0011	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	536.12	
32 93 33 00-0012	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	596.13	
32 93 33 00-0013	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	120.03	
32 93 33 00-0014	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	160.03	
32 93 33 00-0015	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	200.04	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	5.11	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	12.65	
32 93 33 00-0018	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	68.01	
32 93 33 00-0019	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	80.02	
32 93 33 00-0020	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	96.02	
32 93 33 00-0021	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	112.02	
32 93 33 00-0022	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	136.03	
32 93 33 00-0023	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	66.01	
32 93 33 00-0024	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	70.02	
32 93 33 00-0025	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	74.02	
32 93 33 00-0026	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	84.02	
32 93 33 00-0027	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	67.01	
32 93 33 00-0028	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	71.02	
32 93 33 00-0029	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	75.02	
32 93 33 00-0030	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	79.02	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	13.75	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	31.81	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	16.12	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	35.46	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	47.92	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	5.11	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	12.65	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis "Twin Peaks' - Dwarf Coyote Brush	5.11	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis "Twin Peaks' - Dwarf Coyote Brush	12.65	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	17.19	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	25.14	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	71.78	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	91.12	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	127.65	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	5.77	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	13.91	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	76.72	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	98.21	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	125.50	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	20.63	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	40.62	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	49.64	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	19.56	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	55.23	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	76.72	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	118.41	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	22.35	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	59.96	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	63.83	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	82.09	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	109.39	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	164.19	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	228.01	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	63.83	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	82.09	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	109.39	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	164.19	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	42.01	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	70.02	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	184.04	
32 93 33 00-0071	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	100.02	
32 93 33 00-0072	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	136.03	
32 93 33 00-0073	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	184.04	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	4.59	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	14.13	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	45.91	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	66.01	
32 93 33 00-0078	EA	30" B&B Calycanthus floridus - Common Sweetshrub	60.01	
32 93 33 00-0079	EA	36" B&B Calycanthus floridus - Common Sweetshrub	80.02	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	16.12	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	34.38	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	57.16	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	85.12	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	220.85	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	16.12	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	34.38	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	57.16	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	66.01	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	5.77	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	15.01	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	66.01	
32 93 33 00-0092	EA	36" B&B Celastrus scandens - Bittersweet	56.01	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	66.01	
32 93 33 00-0094	EA	24" B&B Cephalanthus occidentalis - Buttonbush	50.01	
32 93 33 00-0095	EA	30" B&B Cephalanthus occidentalis - Buttonbush	56.01	
32 93 33 00-0096	EA	36" B&B Cephalanthus occidentalis - Buttonbush	60.01	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	57.59	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	76.72	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	118.41	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	5.11	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	12.65	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	64.01	
32 93 33 00-0103	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	69.02	
32 93 33 00-0104	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	77.02	
32 93 33 00-0105	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	81.02	
32 93 33 00-0106	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	95.02	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	5.11	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	12.65	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	59.23	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	91.12	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	113.90	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	145.92	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	200.50	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	60.01	
32 93 33 00-0115	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	42.01	
32 93 33 00-0116	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	48.01	
32 93 33 00-0117	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	60.01	
32 93 33 00-0118	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	72.02	
32 93 33 00-0119	EA	36" B&B Cornus amomum - Silky Dogwood	60.01	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	66.01	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	66.01	
32 93 33 00-0122	EA	36" B&B Cornus racemosa - Gray Dogwood	60.01	
32 93 33 00-0123	EA	48" B&B Cornus racemosa - Gray Dogwood	70.02	
32 93 33 00-0124	EA	60" B&B Cornus racemosa - Gray Dogwood	76.02	
32 93 33 00-0125	EA	72" B&B Cornus racemosa - Gray Dogwood	92.02	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0126	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	65.01	
32 93 33 00-0127	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	73.02	
32 93 33 00-0128	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	83.02	
32 93 33 00-0129	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	52.01	
32 93 33 00-0130	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	60.01	
32 93 33 00-0131	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	64.01	
32 93 33 00-0132	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	70.02	
32 93 33 00-0133	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	78.02	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	62.01	
32 93 33 00-0135	EA	30" B&B Corylus americana - American Filbert	70.02	
32 93 33 00-0136	EA	36" B&B Corylus americana - American Filbert	75.02	
32 93 33 00-0137	EA	48" B&B Corylus americana - American Filbert	81.02	
32 93 33 00-0138	EA	24" B&B Corylus avellena - Contorted Hazelnut	200.04	
32 93 33 00-0139	EA	30" B&B Corylus avellena - Contorted Hazelnut	260.06	
32 93 33 00-0140	EA	36" B&B Corylus avellena - Contorted Hazelnut	280.06	
32 93 33 00-0141	EA	42" B&B Corylus avellena - Contorted Hazelnut	360.08	
32 93 33 00-0142	EA	48" B&B Corylus avellena - Contorted Hazelnut	440.10	
32 93 33 00-0143	EA	60" B&B Corylus avellena - Contorted Hazelnut	500.11	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	191.48	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	287.11	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	433.03	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	50.01	
32 93 33 00-0148	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	50.01	
32 93 33 00-0149	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	52.01	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	47.92	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	52.01	
32 93 33 00-0152	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	50.01	
32 93 33 00-0153	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	52.01	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	20.63	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	63.83	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	86.18	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	145.92	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	5.11	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	12.65	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	20.63	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	40.62	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	5.11	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	12.65	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	50.21	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	11.77	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	29.43	
32 93 33 00-0167	EA	18" B&B Deutzia gracilis - Slender Deutzia	51.01	
32 93 33 00-0168	EA	24" B&B Deutzia gracilis - Slender Deutzia	56.01	
32 93 33 00-0169	EA	30" B&B Deutzia gracilis - Slender Deutzia	72.02	
32 93 33 00-0170	EA	36" B&B Deutzia gracilis - Slender Deutzia	84.02	
32 93 33 00-0171	EA	42" B&B Deutzia gracilis - Slender Deutzia	96.02	
32 93 33 00-0172	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	80.02	
32 93 33 00-0173	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	96.02	
32 93 33 00-0174	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	112.02	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	30.01	
32 93 33 00-0176	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	72.02	
32 93 33 00-0177	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	96.02	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	12.65	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	5.11	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	12.65	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	50.21	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	5.11	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	12.65	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	50.21	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	59.74	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	82.09	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	98.21	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	95.63	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	5.11	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	12.65	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	50.21	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	17.19	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	36.10	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	49.64	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	14.68	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	42.33	
32 93 33 00-0197	EA	24" B&B Euonymus alatus - Winged Euonymus	57.05	
32 93 33 00-0198	EA	30" B&B Euonymus alatus - Winged Euonymus	71.32	
32 93 33 00-0199	EA	36" B&B Euonymus alatus - Winged Euonymus	98.00	
32 93 33 00-0200	EA	42" B&B Euonymus alatus - Winged Euonymus	121.01	
32 93 33 00-0201	EA	48" B&B Euonymus alatus - Winged Euonymus	142.63	
32 93 33 00-0202	EA	54" B&B Euonymus alatus - Winged Euonymus	184.04	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	52.91	
32 93 33 00-0204	EA	60" B&B Euonymus alatus - Winged Euonymus	230.05	
32 93 33 00-0205	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	90.02	
32 93 33 00-0206	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	107.02	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0207	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	140.03	
32 93 33 00-0208	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	168.04	
32 93 33 00-0209	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	208.05	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	63.83	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	75.22	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	102.72	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	123.14	
32 93 33 00-0214	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	154.94	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	218.77	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	273.57	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	319.13	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	63.83	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	72.85	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	88.97	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	125.50	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	148.28	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	177.72	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	250.79	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	296.35	
32 93 33 00-0226	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	54.01	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	20.63	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	40.62	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	49.64	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	58.88	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	5.11	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	12.65	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	50.21	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	45.56	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	57.60	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	71.78	
32 93 33 00-0237	EA	30" B&B Forsythia cvs - Forsythia cultivars	46.01	
32 93 33 00-0238	EA	36" B&B Forsythia cvs - Forsythia cultivars	51.01	
32 93 33 00-0239	EA	48" B&B Forsythia cvs - Forsythia cultivars	55.01	
32 93 33 00-0240	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	48.01	
32 93 33 00-0241	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	64.01	
32 93 33 00-0242	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	48.01	
32 93 33 00-0243	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	56.01	
32 93 33 00-0244	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	66.01	
32 93 33 00-0245	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	76.02	
32 93 33 00-0246	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	88.02	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	95.02	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	100.02	
32 93 33 00-0250	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	104.02	
32 93 33 00-0251	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	112.02	
32 93 33 00-0252	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	136.03	
32 93 33 00-0253	EA	24" B&B Fothergilla major - Large Fothergilla	176.04	
32 93 33 00-0254	EA	30" B&B Fothergilla major - Large Fothergilla	200.04	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	14.83	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	38.90	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	49.64	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	5.11	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	12.65	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	50.21	
32 93 33 00-0261	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	140.03	
32 93 33 00-0262	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	228.05	
32 93 33 00-0263	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	288.06	
32 93 33 00-0264	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	440.10	
32 93 33 00-0265	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	500.11	
32 93 33 00-0266	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	8.51	
32 93 33 00-0267	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	29.91	
32 93 33 00-0268	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	57.51	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	21.81	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	36.81	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	55.67	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	57.60	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	49.00	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	66.19	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	95.63	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	132.16	
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	40.62	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	57.16	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	63.83	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	72.85	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	40.62	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	70.02	
32 93 33 00-0283	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	76.02	
32 93 33 00-0284	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	88.02	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	92.02	
32 93 33 00-0286	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	72.02	
32 93 33 00-0287	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	96.02	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	42.01	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	50.01	
32 93 33 00-0290	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	43.01	
32 93 33 00-0291	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	46.01	
32 93 33 00-0292	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	52.01	
32 93 33 00-0293	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	60.01	
32 93 33 00-0294	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	80.02	
32 93 33 00-0295	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	58.01	
32 93 33 00-0296	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	66.01	
32 93 33 00-0297	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	78.02	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	40.62	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	48.01	
32 93 33 00-0300	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort	52.01	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	20.63	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	40.62	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	57.16	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulftide Sweet Holly	54.80	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	69.41	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	90.04	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	109.39	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	40.94	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	20.63	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	40.62	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	58.88	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	20.63	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	45.13	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	58.88	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	45.13	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	54.37	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	109.39	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	145.92	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	145.92	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	241.55	
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	309.89	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	373.71	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	524.15	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	729.38	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	1,048.29	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	1,595.43	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,937.13	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	2,392.93	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	145.92	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	191.48	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	118.41	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	164.19	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	191.48	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	19.34	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	38.90	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	136.68	
32 93 33 00-0337	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	62.01	
32 93 33 00-0338	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	70.02	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	80.02	
32 93 33 00-0340	EA	18" B&B Ilex meserveae & cvs - Blue Holly	74.02	
32 93 33 00-0341	EA	24" B&B Ilex meservae & cvs - Blue Holly	90.02	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	66.01	
32 93 33 00-0343	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	66.01	
32 93 33 00-0344	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	70.02	
32 93 33 00-0345	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	84.02	
32 93 33 00-0346	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	94.02	
32 93 33 00-0347	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	100.02	
32 93 33 00-0348	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	128.03	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	237.04	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	314.40	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	281.31	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	546.93	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	5.29	
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	20.70	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	16.10	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	184.04	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	368.08	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	496.91	
32 93 33 00-0359	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	70.02	
32 93 33 00-0360	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	78.02	
32 93 33 00-0361	EA	18" B&B Juniperus chinesis cvs - Chinese Juniper	104.02	
32 93 33 00-0362	EA	24" B&B Juniperus chinesis cvs - Chinese Juniper	136.03	
32 93 33 00-0363	EA	30" B&B Juniperus chinesis cvs - Chinese Juniper	160.03	
32 93 33 00-0364	EA	36" B&B Juniperus chinesis cvs - Chinese Juniper	216.05	
32 93 33 00-0365	EA	48" B&B Juniperus chinesis cvs - Chinese Juniper	296.06	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	33.36	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	70.02	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	78.02	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0369	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	84.02	
32 93 33 00-0370	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	92.02	
32 93 33 00-0371	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	112.02	
32 93 33 00-0372	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	136.03	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	54.01	
32 93 33 00-0374	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	64.01	
32 93 33 00-0375	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	88.02	
32 93 33 00-0376	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	112.02	
32 93 33 00-0377	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	136.03	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	50.01	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	60.01	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	52.01	
32 93 33 00-0381	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	100.02	
32 93 33 00-0382	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	156.03	
32 93 33 00-0383	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	196.04	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	82.09	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	109.38	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	159.46	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	291.62	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	446.78	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	683.82	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	18.27	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	57.16	
32 93 33 00-0392	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	58.01	
32 93 33 00-0393	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	66.01	
32 93 33 00-0394	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	72.02	
32 93 33 00-0395	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	84.02	
32 93 33 00-0396	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	96.02	
32 93 33 00-0397	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	120.03	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	13.75	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	49.00	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	68.34	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	100.36	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crepe Myrtle	159.46	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crepe Myrtle	207.04	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crepe Myrtle	276.06	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crepe Myrtle	575.12	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	20.63	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	45.13	
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	54.37	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	12.68	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	38.90	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	182.24	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	12.68	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	27.29	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	35.46	
32 93 33 00-0415	EA	36" B&B Ligustrum vulgare & cvs - Common Privet	60.01	
32 93 33 00-0416	EA	48" B&B Ligustrum vulgare & cvs - Common Privet	88.02	
32 93 33 00-0417	EA	60" B&B Ligustrum vulgare & cvs - Common Privet	112.02	
32 93 33 00-0418	EA	72" B&B Ligustrum vulgare & cvs - Common Privet	128.03	
32 93 33 00-0419	EA	5 Gallon Lindera benzoin - Spicebush	66.01	
32 93 33 00-0420	EA	36" B&B Lindera benzoin - Spicebush	56.01	
32 93 33 00-0421	EA	48" B&B Lindera benzoin - Spicebush	68.01	
32 93 33 00-0422	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	109.38	
32 93 33 00-0423	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	132.16	
32 93 33 00-0424	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	60.01	
32 93 33 00-0425	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	72.02	
32 93 33 00-0426	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	80.02	
32 93 33 00-0427	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	88.02	
32 93 33 00-0428	EA	1 Gallon Myrica cerifera - Wax Myrtle	11.50	
32 93 33 00-0429	EA	4 Gallon Myrica cerifera - Wax Myrtle	36.81	
32 93 33 00-0430	EA	7 Gallon Myrica cerifera - Wax Myrtle	80.52	
32 93 33 00-0431	EA	10 Gallon Myrica cerifera - Wax Myrtle	119.63	
32 93 33 00-0432	EA	15 Gallon Myrica cerifera - Wax Myrtle	184.04	
32 93 33 00-0433	EA	45 Gallon Myrica cerifera - Wax Myrtle	552.12	
32 93 33 00-0434	EA	1' - 2' Myrica cerifera - Wax Myrtle	16.10	
32 93 33 00-0435	EA	3' - 4' Myrica cerifera - Wax Myrtle	55.21	
32 93 33 00-0436	EA	5' - 6' Myrica cerifera - Wax Myrtle	101.22	
32 93 33 00-0437	EA	7' - 8' Myrica cerifera - Wax Myrtle	138.03	
32 93 33 00-0438	EA	9' - 10' Myrica cerifera - Wax Myrtle	184.04	
32 93 33 00-0439	EA	11' - 12' Myrica cerifera - Wax Myrtle	280.66	
32 93 33 00-0440	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	60.01	
32 93 33 00-0441	EA	24" B&B Myrica pensylvanica - Northern Bayberry	98.02	
32 93 33 00-0442	EA	30" B&B Myrica pensylvanica - Northern Bayberry	144.03	
32 93 33 00-0443	EA	36" B&B Myrica pensylvanica - Northern Bayberry	172.04	
32 93 33 00-0444	EA	48" B&B Myrica pensylvanica - Northern Bayberry	180.04	
32 93 33 00-0445	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	5.11	
32 93 33 00-0446	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	12.65	
32 93 33 00-0447	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	50.21	
32 93 33 00-0448	EA	1 Gallon Nandina domestica - Heavenly Bamboo	20.63	
32 93 33 00-0449	EA	2 Gallon Nandina domestica - Heavenly Bamboo	45.13	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0450	EA	5 Gallon Nandina domestica - Heavenly Bamboo	68.34	
32 93 33 00-0451	EA	15 Gallon Nerium oleander - Oleander	54.94	
32 93 33 00-0452	EA	24" Box Nerium oleander - Oleander	197.43	
32 93 33 00-0453	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	12.68	
32 93 33 00-0454	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	34.38	
32 93 33 00-0455	EA	1 Gallon Philadelphus - Evergreen Mockorange	17.62	
32 93 33 00-0456	EA	5 Gallon Philadelphus - Evergreen Mockorange	57.16	
32 93 33 00-0457	EA	36" B&B Philadelphus x virginalis & cvs - Mockorange	60.01	
32 93 33 00-0458	EA	42" B&B Philadelphus x virginalis & cvs - Mockorange	70.02	
32 93 33 00-0459	EA	48" B&B Philadelphus x virginalis & cvs - Mockorange	80.02	
32 93 33 00-0460	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	5.11	
32 93 33 00-0461	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	12.65	
32 93 33 00-0462	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	50.21	
32 93 33 00-0463	EA	1 Gallon Phormium tenax - New Zealand Flax	5.39	
32 93 33 00-0464	EA	5 Gallon Phormium tenax - New Zealand Flax	12.92	
32 93 33 00-0465	EA	15 Gallon Phormium tenax - New Zealand Flax	54.94	
32 93 33 00-0466	EA	24" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	60.01	
32 93 33 00-0467	EA	30" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	70.02	
32 93 33 00-0468	EA	36" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	80.02	
32 93 33 00-0469	EA	42" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	100.02	
32 93 33 00-0470	EA	48" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	120.03	
32 93 33 00-0471	EA	12" To 15" Spread Pieris - Mountain Andromeda	55.23	
32 93 33 00-0472	EA	15" To 18" Spread Pieris - Mountain Andromeda	118.41	
32 93 33 00-0473	EA	12" To 15" Pieris japonica - Japanese Andromeda	71.78	
32 93 33 00-0474	EA	15" To 18" Pieris japonica - Japanese Andromeda	82.09	
32 93 33 00-0475	EA	18" To 24" Pieris japonica - Japanese Andromeda	102.72	
32 93 33 00-0476	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	145.92	
32 93 33 00-0477	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	173.21	
32 93 33 00-0478	EA	24" B&B Pinus mugo & cvs - Mugo Pine	100.02	
32 93 33 00-0479	EA	30" B&B Pinus mugo & cvs - Mugo Pine	128.03	
32 93 33 00-0480	EA	36" B&B Pinus mugo & cvs - Mugo Pine	154.03	
32 93 33 00-0481	EA	48" B&B Pinus mugo & cvs - Mugo Pine	198.04	
32 93 33 00-0482	EA	60" B&B Pinus mugo & cvs - Mugo Pine	238.05	
32 93 33 00-0483	EA	72" B&B Pinus mugo & cvs - Mugo Pine	348.08	
32 93 33 00-0484	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	216.05	
32 93 33 00-0485	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	260.06	
32 93 33 00-0486	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	346.08	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	7.59	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	19.55	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	7.59	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	19.55	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	34.28	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	5.87	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	13.91	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	5.11	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	12.65	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	50.21	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	34.01	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	48.01	
32 93 33 00-0499	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	36.01	
32 93 33 00-0500	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	40.01	
32 93 33 00-0501	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	58.01	
32 93 33 00-0502	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	67.01	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	13.75	
32 93 33 00-0504	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel	34.38	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	205.02	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	52.44	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	64.90	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	84.46	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	46.85	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	59.96	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	95.63	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	191.48	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	57.60	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	64.69	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	75.22	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	51.15	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	62.75	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	75.22	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	86.18	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	13.54	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	39.97	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	82.09	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	17.19	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	57.16	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	118.41	
32 93 33 00-0526	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	13.75	
32 93 33 00-0527	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	26.22	
32 93 33 00-0528	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	46.64	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	20.90	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	59.78	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	179.41	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	104.87	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	143.77	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	186.96	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	341.91	
32 93 33 00-0536	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	5.44	
32 93 33 00-0537	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	12.92	
32 93 33 00-0538	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	54.94	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	22.35	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	45.13	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	58.88	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	68.34	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	79.94	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	100.36	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	145.92	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	205.02	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.14	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	45.13	
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	77.58	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	100.36	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	145.92	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	214.26	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	287.11	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	57.16	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	205.02	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	64.69	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	113.90	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	168.70	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	76.72	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	100.36	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	132.16	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	76.72	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	95.63	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea	154.94	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea	214.26	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea	287.11	
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea	382.96	
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron	25.14	
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron	54.37	
32 93 33 00-0570	EA	3 Gallon Rhododendron - Hybrid Rhododendron	77.15	
32 93 33 00-0571	EA	5 Gallon Rhododendron - Hybrid Rhododendron	86.18	
32 93 33 00-0572	EA	15" To 18" Rhododendron - Hybrid Rhododendron	72.85	
32 93 33 00-0573	EA	18" To 24" Rhododendron - Hybrid Rhododendron	100.36	
32 93 33 00-0574	EA	24" To 30" Rhododendron - Hybrid Rhododendron	136.68	
32 93 33 00-0575	EA	30" To 36" Rhododendron - Hybrid Rhododendron	159.46	
32 93 33 00-0576	EA	36" To 42" Rhododendron - Hybrid Rhododendron	228.01	
32 93 33 00-0577	EA	42" To 48" Rhododendron - Hybrid Rhododendron	282.60	
32 93 33 00-0578	EA	15" To 18" Rhododendron - Pjm Rhododendron	82.09	
32 93 33 00-0579	EA	18" To 24" Rhododendron - Pjm Rhododendron	100.36	
32 93 33 00-0580	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	145.92	
32 93 33 00-0581	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	186.96	
32 93 33 00-0582	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	228.01	
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea	63.83	
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea	76.72	
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea	95.63	
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea	159.46	
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	72.02	
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	88.02	
32 93 33 00-0589	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	108.02	
32 93 33 00-0590	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	136.03	
32 93 33 00-0591	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	160.03	
32 93 33 00-0592	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	192.04	
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	20.63	
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	57.16	
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	48.01	
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	66.01	
32 93 33 00-0597	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	76.02	
32 93 33 00-0598	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	100.02	
32 93 33 00-0599	EA	36" B&B Rhus glabra - Smooth Sumac	60.01	
32 93 33 00-0600	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	100.02	
32 93 33 00-0601	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	160.03	
32 93 33 00-0602	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	54.01	
32 93 33 00-0603	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	62.01	
32 93 33 00-0604	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	90.02	
32 93 33 00-0605	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	120.03	
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	33.01	
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	40.01	
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	50.01	
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	36.01	
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	46.01	
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder	66.01	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	5.11	
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	12.65	
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	5.11	
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	12.65	
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	29.66	
32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	43.41	
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	16.12	
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	42.12	
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	14.13	
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	56.22	
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	176.60	
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	20.63	
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	41.05	
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	66.19	
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	5.11	
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	12.65	
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	95.63	
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	145.92	
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	57.16	
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	46.85	
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	66.19	
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	76.72	
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	132.16	
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	20.63	
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	40.62	
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	47.01	
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	51.01	
32 93 33 00-0639	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	52.01	
32 93 33 00-0640	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	60.01	
32 93 33 00-0641	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	68.01	
32 93 33 00-0642	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	79.02	
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	32.01	
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	48.01	
32 93 33 00-0645	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	44.01	
32 93 33 00-0646	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	52.01	
32 93 33 00-0647	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	60.01	
32 93 33 00-0648	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	68.01	
32 93 33 00-0649	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	88.02	
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	20.63	
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	37.01	
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	48.01	
32 93 33 00-0653	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	42.01	
32 93 33 00-0654	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	51.01	
32 93 33 00-0655	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	60.01	
32 93 33 00-0656	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	68.01	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	48.01	
32 93 33 00-0658	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	48.01	
32 93 33 00-0659	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	56.01	
32 93 33 00-0660	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	76.02	
32 93 33 00-0661	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	88.02	
32 93 33 00-0662	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	104.02	
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	67.53	
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	48.01	
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	52.01	
32 93 33 00-0666	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	60.01	
32 93 33 00-0667	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	72.02	
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	50.01	
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	53.01	
32 93 33 00-0670	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	88.02	
32 93 33 00-0671	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	110.02	
32 93 33 00-0672	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	128.03	
32 93 33 00-0673	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	148.03	
32 93 33 00-0674	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	88.02	
32 93 33 00-0675	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	96.02	
32 93 33 00-0676	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	110.02	
32 93 33 00-0677	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	128.03	
32 93 33 00-0678	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	148.03	
32 93 33 00-0679	EA	60" B&B Syringa villosa & cvs - Late Lilac	70.02	
32 93 33 00-0680	EA	72" B&B Syringa villosa & cvs - Late Lilac	76.02	
32 93 33 00-0681	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	60.01	
32 93 33 00-0682	EA	42' B&B Syringa vulgaris & cvs - Common Lilac	68.01	
32 93 33 00-0683	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	76.02	
32 93 33 00-0684	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	88.02	
32 93 33 00-0685	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	108.02	
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	50.01	
32 93 33 00-0687	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	58.01	
32 93 33 00-0688	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	76.02	
32 93 33 00-0689	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	318.07	
32 93 33 00-0690	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	356.08	
32 93 33 00-0691	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	392.09	
32 93 33 00-0692	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	472.10	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0693	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	84.02	
32 93 33 00-0694	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	110.02	
32 93 33 00-0695	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	128.03	
32 93 33 00-0696	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	140.03	
32 93 33 00-0697	EA	15" B&B Taxus x media & cvs - Anglojap Yew	84.02	
32 93 33 00-0698	EA	18" B&B Taxus x media & cvs - Anglojap Yew	110.02	
32 93 33 00-0699	EA	24" B&B Taxus x media & cvs - Anglojap Yew	130.03	
32 93 33 00-0700	EA	30" B&B Taxus x media & cvs - Anglojap Yew	154.03	
32 93 33 00-0701	EA	36" B&B Taxus x media & cvs - Anglojap Yew	232.05	
32 93 33 00-0702	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	128.03	
32 93 33 00-0703	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	172.04	
32 93 33 00-0704	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	260.06	
32 93 33 00-0705	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	380.08	
32 93 33 00-0706	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	436.09	
32 93 33 00-0707	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	506.11	
32 93 33 00-0708	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	56.01	
32 93 33 00-0709	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	78.02	
32 93 33 00-0710	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	110.02	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	95.63	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	145.92	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	191.48	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	11.60	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	31.81	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	57.16	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	214.26	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	100.36	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	118.41	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	166.55	
32 93 33 00-0721	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	110.02	
32 93 33 00-0722	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	132.03	
32 93 33 00-0723	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	100.02	
32 93 33 00-0724	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	120.03	
32 93 33 00-0725	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	140.03	
32 93 33 00-0726	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	160.03	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	5.11	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	12.65	
32 93 33 00-0729	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	56.01	
32 93 33 00-0730	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	60.01	
32 93 33 00-0731	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	70.02	
32 93 33 00-0732	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	80.02	
32 93 33 00-0733	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	88.02	
32 93 33 00-0734	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	54.01	
32 93 33 00-0735	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	60.01	
32 93 33 00-0736	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	76.02	
32 93 33 00-0737	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	88.02	
32 93 33 00-0738	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	120.03	
32 93 33 00-0739	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	144.03	
32 93 33 00-0740	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	60.01	
32 93 33 00-0741	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	80.02	
32 93 33 00-0742	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	100.02	
32 93 33 00-0743	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	140.03	
32 93 33 00-0744	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	200.04	
32 93 33 00-0745	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	280.06	
32 93 33 00-0746	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	360.08	
32 93 33 00-0747	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	72.02	
32 93 33 00-0748	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	80.02	
32 93 33 00-0749	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	144.03	
32 93 33 00-0750	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	220.05	
32 93 33 00-0751	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	280.06	
32 93 33 00-0752	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	340.07	
32 93 33 00-0753	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	420.09	
32 93 33 00-0754	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	500.11	
32 93 33 00-0755	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	600.13	
32 93 33 00-0756	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	700.15	
32 93 33 00-0757	EA	30" B&B Viburnum sargenti & cvs - Sargent Viburnum	61.01	
32 93 33 00-0758	EA	36" B&B Viburnum sargenti & cvs - Sargent Viburnum	67.01	
32 93 33 00-0759	EA	48" B&B Viburnum sargenti & cvs - Sargent Viburnum	76.02	
32 93 33 00-0760	EA	60" B&B Viburnum sargenti & cvs - Sargent Viburnum	88.02	
32 93 33 00-0761	EA	72" B&B Viburnum sargenti & cvs - Sargent Viburnum	101.02	
32 93 33 00-0762	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	58.01	
32 93 33 00-0763	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	70.02	
32 93 33 00-0764	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	84.02	
32 93 33 00-0765	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	96.02	
32 93 33 00-0766	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	116.03	
32 93 33 00-0767	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	128.03	
32 93 33 00-0768	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	100.02	
32 93 33 00-0769	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	120.03	
32 93 33 00-0770	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	140.03	
32 93 33 00-0771	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	160.03	
32 93 33 00-0772	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	180.04	
32 93 33 00-0773	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	128.03	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0774	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	144.03	
32 93 33 00-0775	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	164.04	
32 93 33 00-0776	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	188.04	
32 93 33 00-0777	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	118.41	
32 93 33 00-0778	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	145.92	
32 93 33 00-0779	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	214.26	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	66.01	
32 93 33 00-0781	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	60.01	
32 93 33 00-0782	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	68.01	
32 93 33 00-0783	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	76.02	
32 93 33 00-0784	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	88.02	
32 93 33 00-0785	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	100.02	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	13.75	
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	38.90	
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	171.06	
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	11.60	
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	30.73	
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle	16.12	
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle	31.37	
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle	49.64	
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells	55.23	
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells	45.56	
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells	57.59	
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells	71.78	
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells	86.18	
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells	118.41	
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper	117.33	
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper	161.04	
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper	253.06	
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper	294.46	
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper	386.48	
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	23.00	
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	32.21	
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	77.99	
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	23.00	
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	32.21	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar) materials only. See CSI section 32 93 53 00-0001 for installation and planting of trees.

32 93 43 00-0001 Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	304.54	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	372.21	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	422.97	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	490.64	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	558.32	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	659.83	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	245.00	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,082.80	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,353.50	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	270.70	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	676.75	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	879.77	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	1,015.12	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,150.47	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,353.50	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	160.03	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	200.04	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	248.05	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	200.04	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	240.05	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	280.06	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	320.07	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	360.08	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	400.09	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	460.10	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	520.11	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	600.13	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	338.37	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	473.72	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	507.56	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	592.15	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	422.97	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	507.56	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	592.15	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	676.75	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	761.34	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	845.93	
32 93 43 00-0039	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	460.10	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0040	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	540.12	
32 93 43 00-0041	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	620.13	
32 93 43 00-0042	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	680.15	
32 93 43 00-0043	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	160.03	
32 93 43 00-0044	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	340.07	
32 93 43 00-0045	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	440.10	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	48.71	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	51.10	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	60.84	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	72.59	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	236.86	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	270.70	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	372.21	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	507.56	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	592.15	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	761.34	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	304.54	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	372.21	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	507.56	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	592.15	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	710.59	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	862.85	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	981.28	
32 93 43 00-0063	EA	6' Cercis occidentalis - Western Redbud	189.51	
32 93 43 00-0064	EA	8' Cercis occidentalis - Western Redbud	260.72	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	537.00	
32 93 43 00-0066	EA	3" Caliper Cercis occidentalis - Western Redbud	653.74	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	165.40	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	206.76	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	406.05	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	558.32	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	710.59	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	389.13	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	456.80	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	106.88	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	133.60	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	338.37	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	422.97	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	541.40	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	122.14	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	152.68	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	213.75	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	274.82	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	81.43	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	122.14	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	171.00	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	81.43	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	93.64	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	122.14	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	179.15	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	244.29	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	389.13	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	473.72	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	186.11	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	236.86	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	270.70	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	304.54	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	372.21	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	186.11	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	236.86	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	287.62	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	338.37	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	473.72	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	422.97	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	507.56	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	592.15	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	338.37	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	422.97	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	524.48	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.15	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	676.75	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	761.34	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	338.37	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	406.05	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	473.72	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.15	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	761.34	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	270.70	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	304.54	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	338.37	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	389.13	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	507.56	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	575.24	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	236.86	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	287.62	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	338.37	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	422.97	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	524.48	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	625.99	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	727.50	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	270.70	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	304.54	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	422.97	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	558.32	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	253.78	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	338.37	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	422.97	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	507.56	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	169.19	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	219.94	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	270.70	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	372.21	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	507.56	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.73	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	31.13	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	53.51	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	102.15	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	136.20	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	175.11	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	64.13	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	96.19	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	120.24	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	149.76	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	253.78	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	338.37	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	439.89	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	490.64	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	659.83	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	592.15	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	253.78	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	338.37	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	439.89	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	490.64	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	592.15	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	659.83	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	253.78	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	338.37	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	439.89	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	490.64	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	592.15	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	659.83	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	253.78	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	338.37	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	439.89	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	490.64	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	592.15	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	659.83	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	253.78	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	338.37	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	439.89	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	490.64	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	592.15	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	659.83	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	68.71	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	175.20	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	206.12	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	203.02	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	270.70	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	338.37	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	406.05	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	473.72	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	541.40	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	304.54	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	338.37	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	422.97	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	473.72	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	609.07	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	338.37	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	422.97	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	253.78	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	321.46	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	389.13	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	439.89	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	490.64	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	541.40	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	155.23	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	194.03	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	232.84	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	271.65	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	5.85	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	24.78	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	237.93	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	245.94	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	307.40	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	641.51	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	494.43	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	962.27	
32 93 43 00-0217	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	61.46	
32 93 43 00-0218	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	168.33	
32 93 43 00-0219	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	219.23	
32 93 43 00-0220	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	69.47	
32 93 43 00-0221	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	133.60	
32 93 43 00-0222	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	245.94	
32 93 43 00-0223	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	294.04	
32 93 43 00-0224	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	192.51	
32 93 43 00-0225	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	160.31	
32 93 43 00-0226	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	235.13	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	280.68	
32 93 43 00-0228	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	360.84	
32 93 43 00-0229	EA	4' To 6' Prunus - Pigeon Plum	97.28	
32 93 43 00-0230	EA	8' To 10' Prunus - Pigeon Plum	330.76	
32 93 43 00-0231	EA	10' To 12' Prunus - Pigeon Plum	420.26	
32 93 43 00-0232	EA	14' To 16' Prunus - Pigeon Plum	661.52	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	139.07	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	213.88	
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	261.85	
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	334.12	
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	185.76	
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	232.20	
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	241.49	
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	287.93	
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	390.10	
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	510.85	
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	650.16	
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	185.76	
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	232.20	
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	157.90	
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	241.49	
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	287.68	
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	390.10	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	510.85	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	338.37	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	422.97	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	524.48	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	592.15	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	659.83	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	845.93	
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Current	5.12	
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Current	14.64	
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.12	
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	14.64	
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.12	
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	14.64	
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	452.39	
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	508.94	
32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	593.76	
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	868.42	
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,312.73	
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	338.37	
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	422.97	
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	524.48	
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	642.91	
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	778.26	
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	930.53	
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	439.89	
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	473.72	
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	575.24	
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	270.70	
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	321.46	
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	372.21	
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	422.97	
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	490.64	
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	625.99	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	710.59	
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	812.10	
32 93 43 00-0285	EA	8' Cassia leptophlia - Gold Medallion Tree	214.38	
32 93 43 00-0286	EA	10' Cassia leptophlia - Gold Medallion Tree	272.10	
32 93 43 00-0287	EA	12' Cassia leptophlia - Gold Medallion Tree	329.82	
32 93 43 00-0288	EA	6' Magnolia grandiflora 'St. Mary's'	247.36	
32 93 43 00-0289	EA	8' Magnolia grandiflora 'St. Mary's'	437.01	
32 93 43 00-0290	EA	10' Magnolia grandiflora 'St. Mary's'	549.15	
32 93 43 00-0291	EA	12' Magnolia grandiflora 'St. Mary's'	659.64	
32 93 43 00-0292	EA	14' Magnolia grandiflora 'St. Mary's'	766.83	
32 93 43 00-0293	EA	16' Magnolia grandiflora 'St. Mary's'	907.00	
32 93 43 00-0294	EA	24" Box Magnolia grandiflora 'St. Mary's'	272.10	
32 93 43 00-0295	EA	6' Prunus cerasifera - Purple Leaf Plum	128.63	
32 93 43 00-0296	EA	8' Prunus cerasifera - Purple Leaf Plum	148.42	
32 93 43 00-0297	EA	10' Prunus cerasifera - Purple Leaf Plum	191.30	
32 93 43 00-0298	EA	24" Box Prunus cerasifera - Purple Leaf Plum	203.66	
32 93 43 00-0299	EA	30" Box Prunus cerasifera - Purple Leaf Plum	412.28	
32 93 43 00-0300	EA	36" Box Prunus cerasifera - Purple Leaf Plum	632.43	
32 93 43 00-0301	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	268.80	
32 93 43 00-0302	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	384.24	
32 93 43 00-0303	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	460.10	
32 93 43 00-0304	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	593.68	
32 93 43 00-0305	EA	6' Stenocarpus sinuatus - Firewheel Tree	395.78	
32 93 43 00-0306	EA	8' Stenocarpus sinuatus - Firewheel Tree	527.71	
32 93 43 00-0307	EA	10" Stenocarpus sinuatus - Firewheel Tree	659.64	
32 93 43 00-0308	EA	12' Stenocarpus sinuatus - Firewheel Tree	791.57	
32 93 43 00-0309	EA	24" Box Tabebuia ipi - Pink Trumpet	384.24	
32 93 43 00-0310	EA	36" Box Tabebuia ipi - Pink Trumpet	1,022.44	
32 93 43 00-0311	EA	1-1/2" Caliper Arbutus menziesii - Madrona	286.80	
32 93 43 00-0312	EA	2" Caliper Arbutus menziesii - Madrona	372.84	
32 93 43 00-0313	EA	2-1/2" Caliper Arbutus menziesii - Madrona	430.20	
32 93 43 00-0314	EA	3" Caliper Arbutus menziesii - Madrona	487.56	
32 93 43 00-0315	EA	3-1/2" Caliper Arbutus menziesii - Madrona	573.60	
32 93 43 00-0316	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	197.89	
32 93 43 00-0317	EA	2" Caliper Koelreuteria bipinnata - Chinese Lantern	321.57	
32 93 43 00-0318	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	395.78	
32 93 43 00-0319	EA	3" Caliper Koelreuteria bipinnata - Chinese Lantern	437.01	
32 93 43 00-0320	EA	24" Box Koelreuteria bipinnata - Chinese Lantern	192.94	
32 93 43 00-0321	EA	30" Box Koelreuteria bipinnata - Chinese Lantern	445.26	
32 93 43 00-0322	EA	36" Box Koelreuteria bipinnata - Chinese Lantern	696.74	
32 93 43 00-0323	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	179.75	
32 93 43 00-0324	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	291.89	
32 93 43 00-0325	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	357.85	
32 93 43 00-0326	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	404.03	
32 93 43 00-0327	EA	6' Magnolia grandiflora - Southern Magnolia	122.03	
32 93 43 00-0328	EA	7' Magnolia grandiflora - Southern Magnolia	184.70	
32 93 43 00-0329	EA	8' Magnolia grandiflora - Southern Magnolia	258.91	
32 93 43 00-0330	EA	9' Magnolia grandiflora - Southern Magnolia	344.66	
32 93 43 00-0331	EA	10' Magnolia grandiflora - Southern Magnolia	524.41	
32 93 43 00-0332	EA	24" Box Magnolia grandiflora - Southern Magnolia	214.38	
32 93 43 00-0333	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	255.61	
32 93 43 00-0334	EA	2" Caliper Tipuana tipu - Tipu Tree	333.12	
32 93 43 00-0335	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	422.17	
32 93 43 00-0336	EA	3" Caliper Tipuana tipu - Tipu Tree	486.48	
32 93 43 00-0337	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	715.71	
32 93 43 00-0338	EA	4" Caliper Tipuana tipu - Tipu Tree	956.48	
32 93 43 00-0339	EA	24" Box Tipuana tipu - Tipu Tree	192.94	
32 93 43 00-0340	EA	6' Albizia julibrissin - Silk Tree	395.78	
32 93 43 00-0341	EA	8' Albizia julibrissin - Silk Tree	527.71	
32 93 43 00-0342	EA	10' Albizia julibrissin - Silk Tree	659.64	
32 93 43 00-0343	EA	12' Albizia julibrissin - Silk Tree	791.57	
32 93 43 00-0344	EA	6' Brachychiton acerifolius - Flame Tree	395.78	
32 93 43 00-0345	EA	8' Brachychiton acerifolius - Flame Tree	527.71	
32 93 43 00-0346	EA	10' Brachychiton acerifolius - Flame Tree	659.64	
32 93 43 00-0347	EA	12' Brachychiton acerifolius - Flame Tree	791.57	
32 93 43 00-0348	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	319.93	
32 93 43 00-0349	EA	2" Caliper Chilopsis linearis - Desert Willow	384.24	
32 93 43 00-0350	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	408.98	
32 93 43 00-0351	EA	3" Caliper Chilopsis linearis - Desert Willow	453.50	
32 93 43 00-0352	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	16.49	
32 93 43 00-0353	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	65.96	
32 93 43 00-0354	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	329.82	
32 93 43 00-0355	EA	5 Gallon Calodendrum capense - Cape Chestnut	24.74	
32 93 43 00-0356	EA	15 Gallon Calodendrum capense - Cape Chestnut	98.95	
32 93 43 00-0357	EA	24" Box Calodendrum capense - Cape Chestnut	371.05	
32 93 43 00-0358	EA	6' Chionanthus virginicus - White Fringe Tree	197.89	
32 93 43 00-0359	EA	8' Chionanthus virginicus - White Fringe Tree	544.78	
32 93 43 00-0360	EA	10' Chionanthus virginicus - White Fringe Tree	758.80	
32 93 43 00-0361	EA	15 Gallon Geijera parvifolia - Australian Willow	233.48	
32 93 43 00-0362	EA	24" Box Geijera parvifolia - Australian Willow	480.58	
32 93 43 00-0363	EA	30" Box Geijera parvifolia - Australian Willow	895.00	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0364	EA	36" Box Geijera parvifolia - Australian Willow	1,284.13	
32 93 43 00-0365	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	692.65	
32 93 43 00-0366	EA	2" Caliper Ginko Biloba - Maidenhair Tree	965.04	
32 93 43 00-0367	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,163.50	
32 93 43 00-0368	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,358.06	
32 93 43 00-0369	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,778.32	
32 93 43 00-0370	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,898.95	
32 93 43 00-0371	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,023.48	
32 93 43 00-0372	EA	24" Box Ginko Biloba - Maidenhair Tree	632.34	
32 93 43 00-0373	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	233.48	
32 93 43 00-0374	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	856.09	
32 93 43 00-0375	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	249.04	
32 93 43 00-0376	EA	6' Lagerstroemia indica - Crape Myrtle	463.06	
32 93 43 00-0377	EA	8' Lagerstroemia indica - Crape Myrtle	478.63	
32 93 43 00-0378	EA	10' Lagerstroemia indica - Crape Myrtle	579.80	
32 93 43 00-0379	EA	24" Box Lagerstroemia indica - Crape Myrtle	455.28	
32 93 43 00-0380	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	24.20	
32 93 43 00-0381	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	63.79	
32 93 43 00-0382	EA	24" Box Celtis Sinensis - Chinese Hackberry	208.98	
32 93 43 00-0383	EA	36" Box Celtis Sinensis - Chinese Hackberry	610.44	
32 93 43 00-0384	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	24.20	
32 93 43 00-0385	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	63.79	
32 93 43 00-0386	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	208.98	
32 93 43 00-0387	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	610.44	
32 93 43 00-0388	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	7.15	
32 93 43 00-0389	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	19.80	
32 93 43 00-0390	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	86.89	
32 93 43 00-0391	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	208.98	
32 93 43 00-0392	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	549.95	
32 93 43 00-0393	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	53.90	
32 93 43 00-0394	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	175.98	
32 93 43 00-0395	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	467.46	
32 93 43 00-0396	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,044.90	
32 93 43 00-0397	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	15.40	
32 93 43 00-0398	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	53.90	
32 93 43 00-0399	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	175.98	
32 93 43 00-0400	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	467.46	
32 93 43 00-0401	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,044.90	
32 93 43 00-0402	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	15.40	
32 93 43 00-0403	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	64.89	
32 93 43 00-0404	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	175.98	
32 93 43 00-0405	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	494.96	
32 93 43 00-0406	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,264.88	
32 93 43 00-0407	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	15.40	
32 93 43 00-0408	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	64.89	
32 93 43 00-0409	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	175.98	
32 93 43 00-0410	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	494.96	
32 93 43 00-0411	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	1,264.88	
32 93 43 00-0412	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	15.40	
32 93 43 00-0413	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	64.89	
32 93 43 00-0414	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	175.98	
32 93 43 00-0415	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	494.96	
32 93 43 00-0416	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	1,264.88	
32 93 43 00-0417	EA	1 Gallon Pittosporum undulatum - Victorian Box	4.95	
32 93 43 00-0418	EA	5 Gallon Pittosporum undulatum - Victorian Box	15.40	
32 93 43 00-0419	EA	15 Gallon Pittosporum undulatum - Victorian Box	64.89	
32 93 43 00-0420	EA	24" Box Pittosporum undulatum - Victorian Box	175.98	
32 93 43 00-0421	EA	36" Box Pittosporum undulatum - Victorian Box	494.96	
32 93 43 00-0422	EA	48" Box Pittosporum undulatum - Victorian Box	1,264.88	
32 93 43 00-0423	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	54.94	
32 93 43 00-0424	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	197.93	

32 93 43 00-0425 Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0426	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	209.62	
32 93 43 00-0427	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	256.96	
32 93 43 00-0428	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	334.72	
32 93 43 00-0429	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	433.90	
32 93 43 00-0430	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	22.11	
32 93 43 00-0431	EA	4' To 5' Acer palmatum - Japanese Maple	46.43	
32 93 43 00-0432	EA	5' To 6' Acer palmatum - Japanese Maple	60.80	
32 93 43 00-0433	EA	6' To 7' Acer palmatum - Japanese Maple	110.55	
32 93 43 00-0434	EA	7' To 8' Acer palmatum - Japanese Maple	154.77	
32 93 43 00-0435	EA	8' To 10' Acer palmatum - Japanese Maple	198.99	
32 93 43 00-0436	EA	10' To 12' Acer palmatum - Japanese Maple	265.32	
32 93 43 00-0437	EA	2" Caliper Acer platanoides & cvs - Norway Maple	112.70	
32 93 43 00-0438	EA	2" Caliper Acer platanoides & cvs - Norway Maple	137.20	
32 93 43 00-0439	EA	3" Caliper Acer platanoides & cvs - Norway Maple	176.40	
32 93 43 00-0440	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	205.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0441	EA	4" Caliper Acer platanoides & cvs - Norway Maple	220.50	
32 93 43 00-0442	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	240.10	
32 93 43 00-0443	EA	5" Caliper Acer platanoides & cvs - Norway Maple	269.50	
32 93 43 00-0444	EA	2" Caliper Acer rubrum & cvs - Red Maple	107.80	
32 93 43 00-0445	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	137.20	
32 93 43 00-0446	EA	3" Caliper Acer rubrum & cvs - Red Maple	176.40	
32 93 43 00-0447	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	215.60	
32 93 43 00-0448	EA	4" Caliper Acer rubrum & cvs - Red Maple	245.00	
32 93 43 00-0449	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	284.20	
32 93 43 00-0450	EA	5" Caliper Acer rubrum & cvs - Red Maple	318.50	
32 93 43 00-0451	EA	8' Clump Form Acer rubrum & cvs - Red Maple	132.30	
32 93 43 00-0452	EA	10' Clump Form Acer rubrum & cvs - Red Maple	176.40	
32 93 43 00-0453	EA	12' Clump Form Acer rubrum & cvs - Red Maple	205.80	
32 93 43 00-0454	EA	14' Clump Form Acer rubrum & cvs - Red Maple	235.20	
32 93 43 00-0455	EA	16' Clump Form Acer rubrum & cvs - Red Maple	264.60	
32 93 43 00-0456	EA	18' Clump Form Acer rubrum & cvs - Red Maple	294.00	
32 93 43 00-0457	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	88.20	
32 93 43 00-0458	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	117.60	
32 93 43 00-0459	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	147.00	
32 93 43 00-0460	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	176.40	
32 93 43 00-0461	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	205.80	
32 93 43 00-0462	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	235.20	
32 93 43 00-0463	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	264.60	
32 93 43 00-0464	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	107.80	
32 93 43 00-0465	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	142.10	
32 93 43 00-0466	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	171.50	
32 93 43 00-0467	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	196.00	
32 93 43 00-0468	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	230.30	
32 93 43 00-0469	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	264.60	
32 93 43 00-0470	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	294.00	
32 93 43 00-0471	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	196.00	
32 93 43 00-0472	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	230.30	
32 93 43 00-0473	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	269.50	
32 93 43 00-0474	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	298.90	
32 93 43 00-0475	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	362.60	
32 93 43 00-0476	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	392.00	
32 93 43 00-0477	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	122.50	
32 93 43 00-0478	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	151.90	
32 93 43 00-0479	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	186.20	
32 93 43 00-0480	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	215.60	
32 93 43 00-0481	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	235.20	
32 93 43 00-0482	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	259.70	
32 93 43 00-0483	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	289.10	
32 93 43 00-0484	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	176.40	
32 93 43 00-0485	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	233.24	
32 93 43 00-0486	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	271.46	
32 93 43 00-0487	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	298.90	
32 93 43 00-0488	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	362.60	
32 93 43 00-0489	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	392.00	
32 93 43 00-0490	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	171.50	
32 93 43 00-0491	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	191.10	
32 93 43 00-0492	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	215.60	
32 93 43 00-0493	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	245.00	
32 93 43 00-0494	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	294.00	
32 93 43 00-0495	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	171.50	
32 93 43 00-0496	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	191.10	
32 93 43 00-0497	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	215.60	
32 93 43 00-0498	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	245.00	
32 93 43 00-0499	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	294.00	
32 93 43 00-0500	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	122.50	
32 93 43 00-0501	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	142.10	
32 93 43 00-0502	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	161.70	
32 93 43 00-0503	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	186.20	
32 93 43 00-0504	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	127.40	
32 93 43 00-0505	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	156.80	
32 93 43 00-0506	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	176.40	
32 93 43 00-0507	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	196.00	
32 93 43 00-0508	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	220.50	
32 93 43 00-0509	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	245.00	
32 93 43 00-0510	EA	2" Caliper Betula nigra - River Birch	122.50	
32 93 43 00-0511	EA	2-1/2" Caliper Betula nigra - River Birch	138.72	
32 93 43 00-0512	EA	3" Caliper Betula nigra - River Birch	156.80	
32 93 43 00-0513	EA	3-1/2" Caliper Betula nigra - River Birch	196.00	
32 93 43 00-0514	EA	4" Caliper Betula nigra - River Birch	220.50	
32 93 43 00-0515	EA	4-1/2" Caliper Betula nigra - River Birch	245.00	
32 93 43 00-0516	EA	5" Caliper Betula nigra - River Birch	269.50	
32 93 43 00-0517	EA	8' Clump Form Betula nigra - River Birch	112.70	
32 93 43 00-0518	EA	10' Clump Form Betula nigra - River Birch	127.40	
32 93 43 00-0519	EA	12' Clump Form Betula nigra - River Birch	147.00	
32 93 43 00-0520	EA	14' Clump Form Betula nigra - River Birch	171.50	
32 93 43 00-0521	EA	16' Clump Form Betula nigra - River Birch	196.00	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0522	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	147.00	
32 93 43 00-0523	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	176.40	
32 93 43 00-0524	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.80	
32 93 43 00-0525	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.00	
32 93 43 00-0526	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	254.80	
32 93 43 00-0527	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	61.98	
32 93 43 00-0528	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	73.26	
32 93 43 00-0529	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	101.43	
32 93 43 00-0530	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	131.86	
32 93 43 00-0531	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	146.51	
32 93 43 00-0532	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	173.56	
32 93 43 00-0533	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	196.00	
32 93 43 00-0534	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	220.50	
32 93 43 00-0535	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	254.80	
32 93 43 00-0536	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	308.70	
32 93 43 00-0537	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	88.20	
32 93 43 00-0538	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	122.50	
32 93 43 00-0539	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	151.90	
32 93 43 00-0540	EA	2" Caliper Catalpa speciosa - Western Catalpa	107.80	
32 93 43 00-0541	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	147.00	
32 93 43 00-0542	EA	3" Caliper Catalpa speciosa - Western Catalpa	191.10	
32 93 43 00-0543	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	230.30	
32 93 43 00-0544	EA	4" Caliper Catalpa speciosa - Western Catalpa	264.60	
32 93 43 00-0545	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	137.20	
32 93 43 00-0546	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	156.80	
32 93 43 00-0547	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	191.10	
32 93 43 00-0548	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	225.40	
32 93 43 00-0549	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	259.70	
32 93 43 00-0550	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	294.00	
32 93 43 00-0551	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	171.50	
32 93 43 00-0552	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	196.00	
32 93 43 00-0553	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	230.30	
32 93 43 00-0554	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	274.40	
32 93 43 00-0555	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	137.20	
32 93 43 00-0556	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	161.70	
32 93 43 00-0557	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	196.00	
32 93 43 00-0558	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	245.00	
32 93 43 00-0559	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	294.00	
32 93 43 00-0560	EA	2" Caliper Cladrastus lutea - American Yellowwood	245.00	
32 93 43 00-0561	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	294.00	
32 93 43 00-0562	EA	3" Caliper Cladrastus lutea - American Yellowwood	343.00	
32 93 43 00-0563	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	392.00	
32 93 43 00-0564	EA	2" Caliper Corylus colurna californica - Western Turkish Filbert	151.90	
32 93 43 00-0565	EA	2-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	171.50	
32 93 43 00-0566	EA	3" Caliper Corylus colurna californica - Western Turkish Filbert	196.00	
32 93 43 00-0567	EA	3-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	225.40	
32 93 43 00-0568	EA	4" Caliper Corylus colurna californica - Western Turkish Filbert	269.50	
32 93 43 00-0569	EA	4-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	313.60	
32 93 43 00-0570	EA	5" Caliper Corylus colurna californica - Western Turkish Filbert	357.70	
32 93 43 00-0571	EA	8' Clump Form Corylus cornuta californica - Western Filbert	137.20	
32 93 43 00-0572	EA	10' Clump Form Corylus cornuta californica - Western Filbert	166.60	
32 93 43 00-0573	EA	12' Clump Form Corylus cornuta californica - Western Filbert	196.00	
32 93 43 00-0574	EA	14' Clump Form Corylus colurna californica - Western Turkish Filbert	220.50	
32 93 43 00-0575	EA	16' Clump Form Corylus colurna californica - Western Turkish Filbert	245.00	
32 93 43 00-0576	EA	1-1/2" Caliper Diospyros - Persimmon	88.20	
32 93 43 00-0577	EA	2" Caliper Diospyros - Persimmon	107.80	
32 93 43 00-0578	EA	2-1/2" Caliper Diospyros - Persimmon	137.20	
32 93 43 00-0579	EA	3" Caliper Diospyros - Persimmon	171.50	
32 93 43 00-0580	EA	3-1/2" Caliper Diospyros - Persimmon	205.80	
32 93 43 00-0581	EA	1-1/2" Caliper Fagus grandifolia - American Beech	196.00	
32 93 43 00-0582	EA	2" Caliper Fagus grandifolia - American Beech	254.80	
32 93 43 00-0583	EA	2-1/2" Caliper Fagus grandifolia - American Beech	323.40	
32 93 43 00-0584	EA	3" Caliper Fagus grandifolia - American Beech	392.00	
32 93 43 00-0585	EA	3-1/2" Caliper Fagus grandifolia - American Beech	465.50	
32 93 43 00-0586	EA	2" Caliper Fagus sylvatica & cvs - European Beech	220.50	
32 93 43 00-0587	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	264.60	
32 93 43 00-0588	EA	3" Caliper Fagus sylvatica & cvs - European Beech	318.50	
32 93 43 00-0589	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	352.80	
32 93 43 00-0590	EA	4" Caliper Fagus sylvatica & cvs - European Beech	416.50	
32 93 43 00-0591	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	539.00	
32 93 43 00-0592	EA	5" Caliper Fagus sylvatica & cvs - European Beech	637.00	
32 93 43 00-0593	EA	2" Caliper Fraxinus americana & cvs - White Ash	122.50	
32 93 43 00-0594	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	147.00	
32 93 43 00-0595	EA	3" Caliper Fraxinus americana & cvs - White Ash	186.20	
32 93 43 00-0596	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	225.40	
32 93 43 00-0597	EA	4" Caliper Fraxinus americana & cvs - White Ash	264.60	
32 93 43 00-0598	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	294.00	
32 93 43 00-0599	EA	5" Caliper Fraxinus americana & cvs - White Ash	343.00	
32 93 43 00-0600	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	107.80	
32 93 43 00-0601	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	127.40	
32 93 43 00-0602	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	171.50	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0603	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	205.80	
32 93 43 00-0604	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	245.00	
32 93 43 00-0605	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	264.60	
32 93 43 00-0606	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	294.00	
32 93 43 00-0607	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	147.00	
32 93 43 00-0608	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	181.30	
32 93 43 00-0609	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	220.50	
32 93 43 00-0610	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	269.50	
32 93 43 00-0611	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	318.50	
32 93 43 00-0612	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	171.50	
32 93 43 00-0613	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	191.10	
32 93 43 00-0614	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	215.60	
32 93 43 00-0615	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	240.10	
32 93 43 00-0616	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	269.50	
32 93 43 00-0617	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	294.00	
32 93 43 00-0618	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	441.00	
32 93 43 00-0619	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	490.00	
32 93 43 00-0620	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	117.60	
32 93 43 00-0621	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	147.00	
32 93 43 00-0622	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	176.40	
32 93 43 00-0623	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	205.80	
32 93 43 00-0624	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	235.20	
32 93 43 00-0625	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	264.60	
32 93 43 00-0626	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	313.60	
32 93 43 00-0627	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	151.90	
32 93 43 00-0628	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	186.20	
32 93 43 00-0629	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	220.50	
32 93 43 00-0630	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	259.70	
32 93 43 00-0631	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	294.00	
32 93 43 00-0632	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	328.30	
32 93 43 00-0633	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	367.50	
32 93 43 00-0634	EA	1-1/2" Caliper Juglans cinerea - Butternut	117.60	
32 93 43 00-0635	EA	2" Caliper Juglans cinerea - Butternut	137.20	
32 93 43 00-0636	EA	2-1/2" Caliper Juglans cinerea - Butternut	171.50	
32 93 43 00-0637	EA	3" Caliper Juglans cinerea - Butternut	215.60	
32 93 43 00-0638	EA	3-1/2" Caliper Juglans cinerea - Butternut	264.60	
32 93 43 00-0639	EA	1-1/2" Caliper Juglans californica - California Walnut	117.60	
32 93 43 00-0640	EA	2" Caliper Juglans californica - California Walnut	137.20	
32 93 43 00-0641	EA	2-1/2" Caliper Juglans californica - California Walnut	171.50	
32 93 43 00-0642	EA	3" Caliper Juglans californica - California Walnut	215.60	
32 93 43 00-0643	EA	3-1/2" Caliper Juglans californica - California Walnut	264.60	
32 93 43 00-0644	EA	4" Caliper Juglans californica - California Walnut	318.50	
32 93 43 00-0645	EA	4-1/2" Caliper Juglans californica - California Walnut	367.50	
32 93 43 00-0646	EA	5" Caliper Juglans californica - California Walnut	416.50	
32 93 43 00-0647	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	13.27	
32 93 43 00-0648	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	33.16	
32 93 43 00-0649	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	66.33	
32 93 43 00-0650	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	86.23	
32 93 43 00-0651	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	63.01	
32 93 43 00-0652	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	76.28	
32 93 43 00-0653	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.13	
32 93 43 00-0654	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	156.80	
32 93 43 00-0655	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	196.00	
32 93 43 00-0656	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	245.00	
32 93 43 00-0657	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	294.00	
32 93 43 00-0658	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	343.00	
32 93 43 00-0659	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	156.80	
32 93 43 00-0660	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	215.60	
32 93 43 00-0661	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	254.80	
32 93 43 00-0662	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	294.00	
32 93 43 00-0663	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	333.20	
32 93 43 00-0664	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	117.60	
32 93 43 00-0665	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	210.70	
32 93 43 00-0666	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	254.80	
32 93 43 00-0667	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	156.80	
32 93 43 00-0668	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	196.00	
32 93 43 00-0669	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	245.00	
32 93 43 00-0670	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	294.00	
32 93 43 00-0671	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	343.00	
32 93 43 00-0672	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	68.60	
32 93 43 00-0673	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	78.40	
32 93 43 00-0674	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	93.10	
32 93 43 00-0675	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	117.60	
32 93 43 00-0676	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	147.00	
32 93 43 00-0677	EA	2" Caliper Ostrya virginiana - American Hophornbeam	127.40	
32 93 43 00-0678	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	161.70	
32 93 43 00-0679	EA	3" Caliper Ostrya virginiana - American Hophornbeam	196.00	
32 93 43 00-0680	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	230.30	
32 93 43 00-0681	EA	4" Caliper Ostrya virginiana - American Hophornbeam	279.30	
32 93 43 00-0682	EA	2" Caliper Phellodendron amurense - Amur Corktree	98.00	
32 93 43 00-0683	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	122.50	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0684	EA	3" Caliper Phellodendron amurense - Amur Corktree	147.00	
32 93 43 00-0685	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	171.50	
32 93 43 00-0686	EA	4" Caliper Phellodendron amurense - Amur Corktree	196.00	
32 93 43 00-0687	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	220.50	
32 93 43 00-0688	EA	5" Caliper Phellodendron amurense - Amur Corktree	245.00	
32 93 43 00-0689	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	212.88	
32 93 43 00-0690	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	309.65	
32 93 43 00-0691	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	460.62	
32 93 43 00-0692	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	71.23	
32 93 43 00-0693	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	85.16	
32 93 43 00-0694	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	116.11	
32 93 43 00-0695	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	140.91	
32 93 43 00-0696	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	58.60	
32 93 43 00-0697	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	73.26	
32 93 43 00-0698	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	129.60	
32 93 43 00-0699	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	185.96	
32 93 43 00-0700	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	117.60	
32 93 43 00-0701	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	142.10	
32 93 43 00-0702	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	171.50	
32 93 43 00-0703	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	205.80	
32 93 43 00-0704	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	245.00	
32 93 43 00-0705	EA	2" Caliper Populus alba & cvs - White Poplar	117.60	
32 93 43 00-0706	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	137.20	
32 93 43 00-0707	EA	3" Caliper Populus alba & cvs - White Poplar	156.80	
32 93 43 00-0708	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	186.20	
32 93 43 00-0709	EA	4" Caliper Populus alba & cvs - White Poplar	205.80	
32 93 43 00-0710	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	235.20	
32 93 43 00-0711	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	107.80	
32 93 43 00-0712	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	142.10	
32 93 43 00-0713	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	171.50	
32 93 43 00-0714	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	205.80	
32 93 43 00-0715	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	245.00	
32 93 43 00-0716	EA	6' To 8' Quercus acutissima - Sawtooth Oak	36.85	
32 93 43 00-0717	EA	8' To 10' Quercus acutissima - Sawtooth Oak	55.27	
32 93 43 00-0718	EA	10' To 12' Quercus acutissima - Sawtooth Oak	64.49	
32 93 43 00-0719	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	73.70	
32 93 43 00-0720	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	82.91	
32 93 43 00-0721	EA	2" Caliper Quercus alba - White Oak	147.00	
32 93 43 00-0722	EA	2-1/2" Caliper Quercus alba - White Oak	171.50	
32 93 43 00-0723	EA	3" Caliper Quercus alba - White Oak	215.60	
32 93 43 00-0724	EA	3-1/2" Caliper Quercus alba - White Oak	269.50	
32 93 43 00-0725	EA	4" Caliper Quercus alba - White Oak	318.50	
32 93 43 00-0726	EA	4-1/2" Caliper Quercus alba - White Oak	392.00	
32 93 43 00-0727	EA	5" Caliper Quercus alba - White Oak	465.50	
32 93 43 00-0728	EA	2" Caliper Quercus bicolor - Swamp White Oak	171.50	
32 93 43 00-0729	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	196.00	
32 93 43 00-0730	EA	3" Caliper Quercus bicolor - Swamp White Oak	225.40	
32 93 43 00-0731	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	249.90	
32 93 43 00-0732	EA	4" Caliper Quercus bicolor - Swamp White Oak	284.20	
32 93 43 00-0733	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	313.60	
32 93 43 00-0734	EA	5" Caliper Quercus bicolor - Swamp White Oak	352.80	
32 93 43 00-0735	EA	10' Clump Form Quercus bicolor - Swamp White Oak	245.00	
32 93 43 00-0736	EA	12' Clump Form Quercus bicolor - Swamp White Oak	294.00	
32 93 43 00-0737	EA	14' Clump Form Quercus bicolor - Swamp White Oak	343.00	
32 93 43 00-0738	EA	16' Clump Form Quercus bicolor - Swamp White Oak	392.00	
32 93 43 00-0739	EA	2" Caliper Quercus coccinea - Scarlet Oak	127.40	
32 93 43 00-0740	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	161.70	
32 93 43 00-0741	EA	3" Caliper Quercus coccinea - Scarlet Oak	200.90	
32 93 43 00-0742	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	245.00	
32 93 43 00-0743	EA	4" Caliper Quercus coccinea - Scarlet Oak	294.00	
32 93 43 00-0744	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	347.90	
32 93 43 00-0745	EA	5" Caliper Quercus coccinea - Scarlet Oak	406.70	
32 93 43 00-0746	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	127.40	
32 93 43 00-0747	EA	2" Caliper Quercus imbricaria - Shingle Oak	171.50	
32 93 43 00-0748	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	230.30	
32 93 43 00-0749	EA	3" Caliper Quercus imbricaria - Shingle Oak	343.00	
32 93 43 00-0750	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	465.50	
32 93 43 00-0751	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	127.40	
32 93 43 00-0752	EA	2" Caliper Quercus macrocarpa - Bur Oak	151.90	
32 93 43 00-0753	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	181.30	
32 93 43 00-0754	EA	3" Caliper Quercus macrocarpa - Bur Oak	220.50	
32 93 43 00-0755	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	269.50	
32 93 43 00-0756	EA	4" Caliper Quercus macrocarpa - Bur Oak	318.50	
32 93 43 00-0757	EA	9' Clump Form Quercus macrocarpa - Bur Oak	294.00	
32 93 43 00-0758	EA	10' Clump Form Quercus macrocarpa - Bur Oak	343.00	
32 93 43 00-0759	EA	12' Clump Form Quercus macrocarpa - Bur Oak	392.00	
32 93 43 00-0760	EA	2" Caliper Quercus palustris - Pin Oak	107.80	
32 93 43 00-0761	EA	2-1/2" Caliper Quercus palustris - Pin Oak	147.00	
32 93 43 00-0762	EA	3" Caliper Quercus palustris - Pin Oak	191.10	
32 93 43 00-0763	EA	3-1/2" Caliper Quercus palustris - Pin Oak	220.50	
32 93 43 00-0764	EA	4" Caliper Quercus palustris - Pin Oak	254.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0765	EA	4-1/2" Caliper Quercus palustris - Pin Oak	289.10	
32 93 43 00-0766	EA	5" Caliper Quercus palustris - Pin Oak	318.50	
32 93 43 00-0767	EA	2" Caliper Quercus robur & cvs - English Oak	127.40	
32 93 43 00-0768	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	156.80	
32 93 43 00-0769	EA	3" Caliper Quercus robur & cvs - English Oak	186.20	
32 93 43 00-0770	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	220.50	
32 93 43 00-0771	EA	4" Caliper Quercus robur & cvs - English Oak	254.80	
32 93 43 00-0772	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	294.00	
32 93 43 00-0773	EA	5" Caliper Quercus robur & cvs - English Oak	333.20	
32 93 43 00-0774	EA	2" Caliper Quercus rubra - Red Oak	147.00	
32 93 43 00-0775	EA	2-1/2" Caliper Quercus rubra - Red Oak	171.50	
32 93 43 00-0776	EA	3" Caliper Quercus rubra - Red Oak	205.80	
32 93 43 00-0777	EA	3-1/2" Caliper Quercus rubra - Red Oak	245.00	
32 93 43 00-0778	EA	4" Caliper Quercus rubra - Red Oak	294.00	
32 93 43 00-0779	EA	4-1/2" Caliper Quercus rubra - Red Oak	343.00	
32 93 43 00-0780	EA	5" Caliper Quercus rubra - Red Oak	392.00	
32 93 43 00-0781	EA	16' Clump Form Quercus rubra - Red Oak	318.50	
32 93 43 00-0782	EA	18' Clump Form Quercus rubra - Red Oak	382.20	
32 93 43 00-0783	EA	20' Clump Form Quercus rubra - Red Oak	426.30	
32 93 43 00-0784	EA	2" Caliper Quercus shumardii - Shumard Oak	166.60	
32 93 43 00-0785	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	210.70	
32 93 43 00-0786	EA	3" Caliper Quercus shumardii - Shumard Oak	245.00	
32 93 43 00-0787	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	294.00	
32 93 43 00-0788	EA	4" Caliper Quercus shumardii - Shumard Oak	343.00	
32 93 43 00-0789	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	392.00	
32 93 43 00-0790	EA	5" Caliper Quercus shumardii - Shumard Oak	441.00	
32 93 43 00-0791	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	291.85	
32 93 43 00-0792	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	393.32	
32 93 43 00-0793	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	531.94	
32 93 43 00-0794	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	710.01	
32 93 43 00-0795	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	856.52	
32 93 43 00-0796	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	946.68	
32 93 43 00-0797	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,273.51	
32 93 43 00-0798	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,600.34	
32 93 43 00-0799	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	1,927.17	
32 93 43 00-0800	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,338.52	
32 93 43 00-0801	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	2,749.88	
32 93 43 00-0802	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	147.00	
32 93 43 00-0803	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	176.40	
32 93 43 00-0804	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	220.50	
32 93 43 00-0805	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	269.50	
32 93 43 00-0806	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	313.60	
32 93 43 00-0807	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	352.80	
32 93 43 00-0808	EA	2" Caliper Salix alba & cvs - White Willow	78.40	
32 93 43 00-0809	EA	2-1/2" Caliper Salix alba & cvs - White Willow	93.10	
32 93 43 00-0810	EA	3" Caliper Salix alba & cvs - White Willow	122.50	
32 93 43 00-0811	EA	3-1/2" Caliper Salix alba & cvs - White Willow	147.00	
32 93 43 00-0812	EA	4" Caliper Salix alba & cvs - White Willow	176.40	
32 93 43 00-0813	EA	4-1/2" Caliper Salix alba & cvs - White Willow	205.80	
32 93 43 00-0814	EA	5" Caliper Salix alba & cvs - White Willow	235.20	
32 93 43 00-0815	EA	24" Box Salix babylonica - Weeping Willow	123.85	
32 93 43 00-0816	EA	36" Box Salix babylonica - Weeping Willow	309.65	
32 93 43 00-0817	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	71.23	
32 93 43 00-0818	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	85.16	
32 93 43 00-0819	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	92.90	
32 93 43 00-0820	EA	5' Clump Form Sassafras albidum - Common Sassafras	93.10	
32 93 43 00-0821	EA	6' Clump Form Sassafras albidum - Common Sassafras	112.70	
32 93 43 00-0822	EA	7' Clump Form Sassafras albidum - Common Sassafras	142.10	
32 93 43 00-0823	EA	8' Clump Form Sassafras albidum - Common Sassafras	161.70	
32 93 43 00-0824	EA	10' Clump Form Sassafras albidum - Common Sassafras	181.30	
32 93 43 00-0825	EA	12' Clump Form Sassafras albidum - Common Sassafras	220.50	
32 93 43 00-0826	EA	14' Clump Form Sassafras albidum - Common Sassafras	269.50	
32 93 43 00-0827	EA	16' Clump Form Sassafras albidum - Common Sassafras	318.50	
32 93 43 00-0828	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	162.29	
32 93 43 00-0829	EA	2" Caliper Sophora japonica - Chinese Scholar	180.32	
32 93 43 00-0830	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	242.30	
32 93 43 00-0831	EA	3" Caliper Sophora japonica - Chinese Scholar	315.56	
32 93 43 00-0832	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	366.28	
32 93 43 00-0833	EA	10' To 12' Swietenia Mahagoni - Mahogany	86.78	
32 93 43 00-0834	EA	12' To 14' Swietenia Mahagoni - Mahogany	101.43	
32 93 43 00-0835	EA	14' To 16' Swietenia Mahagoni - Mahogany	135.24	
32 93 43 00-0836	EA	16' To 18' Swietenia Mahagoni - Mahogany	152.14	
32 93 43 00-0837	EA	2" Caliper Taxodium distichum - Common Bald Cypress	122.50	
32 93 43 00-0838	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	142.10	
32 93 43 00-0839	EA	3" Caliper Taxodium distichum - Common Bald Cypress	171.50	
32 93 43 00-0840	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	196.00	
32 93 43 00-0841	EA	4" Caliper Taxodium distichum - Common Bald Cypress	215.60	
32 93 43 00-0842	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	107.80	
32 93 43 00-0843	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	122.50	
32 93 43 00-0844	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	176.40	
32 93 43 00-0845	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	196.00	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0846	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	220.50	
32 93 43 00-0847	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	254.80	
32 93 43 00-0848	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	294.00	
32 93 43 00-0849	EA	2' Thuja occidentalis - American Arborviatae	16.79	
32 93 43 00-0850	EA	2-1/2' Thuja occidentalis - American Arborviatae	18.14	
32 93 43 00-0851	EA	3' Thuja occidentalis - American Arborviatae	25.92	
32 93 43 00-0852	EA	4' Thuja occidentalis - American Arborviatae	35.61	
32 93 43 00-0853	EA	5' Thuja occidentalis - American Arborviatae	49.59	
32 93 43 00-0854	EA	6' Thuja occidentalis - American Arborviatae	68.75	
32 93 43 00-0855	EA	7' Thuja occidentalis - American Arborviatae	83.40	
32 93 43 00-0856	EA	8' Thuja occidentalis - American Arborviatae	117.21	
32 93 43 00-0857	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	122.50	
32 93 43 00-0858	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	142.10	
32 93 43 00-0859	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	181.30	
32 93 43 00-0860	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	210.70	
32 93 43 00-0861	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	240.10	
32 93 43 00-0862	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	269.50	
32 93 43 00-0863	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	294.00	
32 93 43 00-0864	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	156.80	
32 93 43 00-0865	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	171.50	
32 93 43 00-0866	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	196.00	
32 93 43 00-0867	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	225.40	
32 93 43 00-0868	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	123.24	
32 93 43 00-0869	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	148.86	
32 93 43 00-0870	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	171.50	
32 93 43 00-0871	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	210.70	
32 93 43 00-0872	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	240.10	
32 93 43 00-0873	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	269.50	
32 93 43 00-0874	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	298.90	
32 93 43 00-0875	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	137.20	
32 93 43 00-0876	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	151.90	
32 93 43 00-0877	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	166.60	
32 93 43 00-0878	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	186.20	
32 93 43 00-0879	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	215.60	
32 93 43 00-0880	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	254.80	
32 93 43 00-0881	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	333.20	
32 93 43 00-0882	EA	2" Caliper Tilia x euchlora - Crimean Linden	137.20	
32 93 43 00-0883	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	176.40	
32 93 43 00-0884	EA	3" Caliper Tilia x euchlora - Crimean Linden	215.60	
32 93 43 00-0885	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	245.00	
32 93 43 00-0886	EA	4" Caliper Tilia x euchlora - Crimean Linden	274.40	
32 93 43 00-0887	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	308.70	
32 93 43 00-0888	EA	5" Caliper Tilia x euchlora - Crimean Linden	333.20	
32 93 43 00-0889	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	137.20	
32 93 43 00-0890	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	156.80	
32 93 43 00-0891	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	171.50	
32 93 43 00-0892	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	186.20	
32 93 43 00-0893	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	205.80	
32 93 43 00-0894	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	245.00	
32 93 43 00-0895	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	289.10	
32 93 43 00-0896	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	156.80	
32 93 43 00-0897	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	171.50	
32 93 43 00-0898	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	186.20	
32 93 43 00-0899	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	205.80	
32 93 43 00-0900	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	245.00	
32 93 43 00-0901	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	289.10	
32 93 43 00-0902	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	333.20	
32 93 43 00-0903	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	156.80	
32 93 43 00-0904	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	171.50	
32 93 43 00-0905	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	186.20	
32 93 43 00-0906	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	205.80	
32 93 43 00-0907	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	245.00	
32 93 43 00-0908	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	289.10	
32 93 43 00-0909	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	333.20	
32 93 43 00-0910	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	75.84	
32 93 43 00-0911	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	92.90	
32 93 43 00-0912	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	117.70	
32 93 43 00-0913	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	361.89	
32 93 43 00-0914	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	645.96	
32 93 43 00-0915	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	945.59	
32 93 43 00-0916	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,175.17	
32 93 43 00-0917	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,521.50	
32 93 43 00-0918	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,731.63	
32 93 43 00-0919	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	455.28	
32 93 43 00-0920	EA	1-1/2" Caliper Quercus suber - Cork Oak	544.78	
32 93 43 00-0921	EA	2" Caliper Quercus suber - Cork Oak	754.91	
32 93 43 00-0922	EA	2-1/2" Caliper Quercus suber - Cork Oak	965.04	
32 93 43 00-0923	EA	3" Caliper Quercus suber - Cork Oak	1,206.30	
32 93 43 00-0924	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,809.45	
32 93 43 00-0925	EA	4" Caliper Quercus suber - Cork Oak	2,334.78	
32 93 43 00-0926	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,035.21	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0927	EA	1-1/2" Caliper Quercus ilex - Holly Oak	603.15	
32 93 43 00-0928	EA	2" Caliper Quercus ilex - Holly Oak	813.28	
32 93 43 00-0929	EA	2-1/2" Caliper Quercus ilex - Holly Oak	996.17	
32 93 43 00-0930	EA	3" Caliper Quercus ilex - Holly Oak	1,206.30	
32 93 43 00-0931	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,809.45	
32 93 43 00-0932	EA	4" Caliper Quercus ilex - Holly Oak	2,334.78	
32 93 43 00-0933		**Evergreen Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0934	EA	6' Abies balsamea - Balsam Fir	62.46	
32 93 43 00-0935	EA	7' Abies balsamea - Balsam Fir	78.08	
32 93 43 00-0936	EA	8' Abies balsamea - Balsam Fir	93.69	
32 93 43 00-0937	EA	9' Abies balsamea - Balsam Fir	124.92	
32 93 43 00-0938	EA	10' Abies balsamea - Balsam Fir	156.15	
32 93 43 00-0939	EA	12' Abies balsamea - Balsam Fir	187.38	
32 93 43 00-0940	EA	6' Abies concolor - White Fir	90.57	
32 93 43 00-0941	EA	7' Abies concolor - White Fir	103.06	
32 93 43 00-0942	EA	8' Abies concolor - White Fir	121.80	
32 93 43 00-0943	EA	9' Abies concolor - White Fir	140.54	
32 93 43 00-0944	EA	10' Abies concolor - White Fir	165.52	
32 93 43 00-0945	EA	12' Abies concolor - White Fir	203.00	
32 93 43 00-0946	EA	14' Abies concolor - White Fir	249.84	
32 93 43 00-0947	EA	16' Abies concolor - White Fir	281.07	
32 93 43 00-0948	EA	6' Abies fraseri - Frasier Fir	62.46	
32 93 43 00-0949	EA	7' Abies fraseri - Frasier Fir	78.08	
32 93 43 00-0950	EA	8' Abies fraseri - Frasier Fir	93.69	
32 93 43 00-0951	EA	9' Abies fraseri - Frasier Fir	124.92	
32 93 43 00-0952	EA	10' Abies fraseri - Frasier Fir	156.15	
32 93 43 00-0953	EA	12' Abies fraseri - Frasier Fir	187.38	
32 93 43 00-0954	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	11.25	
32 93 43 00-0955	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	18.08	
32 93 43 00-0956	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	26.87	
32 93 43 00-0957	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	36.15	
32 93 43 00-0958	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	51.32	
32 93 43 00-0959	EA	5 Gallon Cedrus deodara - Indian Cedar	6.44	
32 93 43 00-0960	EA	6' To 8' Cedrus deodara - Indian Cedar	46.43	
32 93 43 00-0961	EA	8' To 10' Cedrus deodara - Indian Cedar	53.76	
32 93 43 00-0962	EA	10' To 12' Cedrus deodara - Indian Cedar	73.30	
32 93 43 00-0963	EA	12' To 14' Cedrus deodara - Indian Cedar	95.28	
32 93 43 00-0964	EA	14' To 16' Cedrus deodara - Indian Cedar	122.18	
32 93 43 00-0965	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	14.51	
32 93 43 00-0966	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	21.77	
32 93 43 00-0967	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	33.87	
32 93 43 00-0968	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	58.06	
32 93 43 00-0969	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	17.59	
32 93 43 00-0970	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	27.38	
32 93 43 00-0971	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	34.20	
32 93 43 00-0972	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	48.88	
32 93 43 00-0973	EA	1 Gallon Cleyera japonica - Japanese Cleyera	1.98	
32 93 43 00-0974	EA	3 Gallon Cleyera japonica - Japanese Cleyera	4.97	
32 93 43 00-0975	EA	7 Gallon Cleyera japonica - Japanese Cleyera	14.23	
32 93 43 00-0976	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	7.99	
32 93 43 00-0977	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	31.94	
32 93 43 00-0978	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	13.97	
32 93 43 00-0979	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	17.97	
32 93 43 00-0980	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	27.95	
32 93 43 00-0981	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	67.88	
32 93 43 00-0982	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.46	
32 93 43 00-0983	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	6.55	
32 93 43 00-0984	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	21.84	
32 93 43 00-0985	EA	5 Gallon Cupressus sempervirens - Italian Cypress	7.52	
32 93 43 00-0986	EA	15 Gallon Cupressus sempervirens - Italian Cypress	20.67	
32 93 43 00-0987	EA	1 Gallon Illicium anisatum - Anise Tree	2.15	
32 93 43 00-0988	EA	3 Gallon Illicium anisatum - Anise Tree	4.97	
32 93 43 00-0989	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	2.21	
32 93 43 00-0990	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.32	
32 93 43 00-0991	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.35	
32 93 43 00-0992	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	6.29	
32 93 43 00-0993	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.21	
32 93 43 00-0994	EA	2 Gallon Juniperus - Blue Sargent Juniper	4.32	
32 93 43 00-0995	EA	3 Gallon Juniperus - Blue Sargent Juniper	5.35	
32 93 43 00-0996	EA	5 Gallon Juniperus - Blue Sargent Juniper	6.29	
32 93 43 00-0997	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	6.29	
32 93 43 00-0998	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	6.81	
32 93 43 00-0999	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	8.22	
32 93 43 00-1000	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	12.21	
32 93 43 00-1001	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	14.14	
32 93 43 00-1002	EA	5' To 6' Juniperus - Fairview Juniper	21.06	
32 93 43 00-1003	EA	1 Gallon Juniperus - Hollywood Juniper	2.82	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1004	EA	5 Gallon Juniperus - Hollywood Juniper	7.84	
32 93 43 00-1005	EA	15 Gallon Juniperus - Hollywood Juniper	33.26	
32 93 43 00-1006	EA	4' To 5' Juniperus - Hollywood Juniper	21.98	
32 93 43 00-1007	EA	5' To 6' Juniperus - Hollywood Juniper	28.32	
32 93 43 00-1008	EA	1 Gallon Juniperus - Parson's Juniper	2.21	
32 93 43 00-1009	EA	2 Gallon Juniperus - Parson's Juniper	4.37	
32 93 43 00-1010	EA	3 Gallon Juniperus - Parson's Juniper	5.40	
32 93 43 00-1011	EA	5 Gallon Juniperus - Parson's Juniper	6.39	
32 93 43 00-1012	EA	5 Gallon Juniperus - Skyrocket Juniper	7.89	
32 93 43 00-1013	EA	15 Gallon Juniperus - Skyrocket Juniper	33.59	
32 93 43 00-1014	EA	2' To 3' Juniperus - Skyrocket Juniper	11.84	
32 93 43 00-1015	EA	3' To 4' Juniperus - Skyrocket Juniper	16.77	
32 93 43 00-1016	EA	4' To 5' Juniperus - Skyrocket Juniper	22.22	
32 93 43 00-1017	EA	5' To 6' Juniperus - Skyrocket Juniper	28.65	
32 93 43 00-1018	EA	6' To 8' Juniperus - Skyrocket Juniper	37.01	
32 93 43 00-1019	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.21	
32 93 43 00-1020	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.35	
32 93 43 00-1021	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.33	
32 93 43 00-1022	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.32	
32 93 43 00-1023	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.21	
32 93 43 00-1024	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.35	
32 93 43 00-1025	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.33	
32 93 43 00-1026	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.32	
32 93 43 00-1027	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	11.84	
32 93 43 00-1028	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	16.77	
32 93 43 00-1029	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	22.22	
32 93 43 00-1030	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	28.65	
32 93 43 00-1031	EA	5' Picea abies & cvs - Norway Spruce	68.71	
32 93 43 00-1032	EA	6' Picea abies & cvs - Norway Spruce	78.08	
32 93 43 00-1033	EA	7' Picea abies & cvs - Norway Spruce	93.69	
32 93 43 00-1034	EA	8' Picea abies & cvs - Norway Spruce	109.31	
32 93 43 00-1035	EA	9' Picea abies & cvs - Norway Spruce	146.78	
32 93 43 00-1036	EA	10' Picea abies & cvs - Norway Spruce	178.01	
32 93 43 00-1037	EA	12' Picea abies & cvs - Norway Spruce	218.61	
32 93 43 00-1038	EA	14' Picea abies & cvs - Norway Spruce	265.46	
32 93 43 00-1039	EA	6' Picea glauca - White Spruce	65.58	
32 93 43 00-1040	EA	7' Picea glauca - White Spruce	93.69	
32 93 43 00-1041	EA	8' Picea glauca - White Spruce	109.31	
32 93 43 00-1042	EA	9' Picea glauca - White Spruce	131.17	
32 93 43 00-1043	EA	10' Picea glauca - White Spruce	156.15	
32 93 43 00-1044	EA	12' Picea glauca - White Spruce	187.38	
32 93 43 00-1045	EA	4' Picea glauca densata - Black Hills Spruce	37.48	
32 93 43 00-1046	EA	5' Picea glauca densata - Black Hills Spruce	56.21	
32 93 43 00-1047	EA	6' Picea glauca densata - Black Hills Spruce	84.32	
32 93 43 00-1048	EA	7' Picea glauca densata - Black Hills Spruce	99.94	
32 93 43 00-1049	EA	8' Picea glauca densata - Black Hills Spruce	115.55	
32 93 43 00-1050	EA	9' Picea glauca densata - Black Hills Spruce	128.04	
32 93 43 00-1051	EA	10' Picea glauca densata - Black Hills Spruce	140.54	
32 93 43 00-1052	EA	6' Picea omorika & cvs - Serbian Spruce	84.32	
32 93 43 00-1053	EA	7' Picea omorika & cvs - Serbian Spruce	93.69	
32 93 43 00-1054	EA	8' Picea omorika & cvs - Serbian Spruce	112.43	
32 93 43 00-1055	EA	9' Picea omorika & cvs - Serbian Spruce	131.17	
32 93 43 00-1056	EA	10' Picea omorika & cvs - Serbian Spruce	149.91	
32 93 43 00-1057	EA	5' Picea pungens - Colorado Green Spruce	68.71	
32 93 43 00-1058	EA	6' Picea pungens - Colorado Green Spruce	87.45	
32 93 43 00-1059	EA	7' Picea pungens - Colorado Green Spruce	103.06	
32 93 43 00-1060	EA	8' Picea pungens - Colorado Green Spruce	118.68	
32 93 43 00-1061	EA	9' Picea pungens - Colorado Green Spruce	137.41	
32 93 43 00-1062	EA	10' Picea pungens - Colorado Green Spruce	259.21	
32 93 43 00-1063	EA	12' Picea pungens - Colorado Green Spruce	187.38	
32 93 43 00-1064	EA	14' Picea pungens - Colorado Green Spruce	218.61	
32 93 43 00-1065	EA	16' Picea pungens - Colorado Green Spruce	281.07	
32 93 43 00-1066	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	68.71	
32 93 43 00-1067	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	93.69	
32 93 43 00-1068	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	109.31	
32 93 43 00-1069	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	124.92	
32 93 43 00-1070	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	140.54	
32 93 43 00-1071	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	171.77	
32 93 43 00-1072	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	218.61	
32 93 43 00-1073	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	327.92	
32 93 43 00-1074	EA	4' Pinus cembra - Swiss Stone Pine	53.09	
32 93 43 00-1075	EA	5' Pinus cembra - Swiss Stone Pine	65.58	
32 93 43 00-1076	EA	6' Pinus cembra - Swiss Stone Pine	81.20	
32 93 43 00-1077	EA	6' Pinus flexilis & cvs - Limber Pine	78.08	
32 93 43 00-1078	EA	7' Pinus flexilis & cvs - Limber Pine	90.57	
32 93 43 00-1079	EA	8' Pinus flexilis & cvs - Limber Pine	112.43	
32 93 43 00-1080	EA	9' Pinus flexilis & cvs - Limber Pine	137.41	
32 93 43 00-1081	EA	10' Pinus flexilis & cvs - Limber Pine	156.15	
32 93 43 00-1082	EA	2 Gallon Pinus mugo - Mugho Pine	6.15	
32 93 43 00-1083	EA	3 Gallon Pinus mugo - Mugho Pine	7.70	
32 93 43 00-1084	EA	5 Gallon Pinus mugo - Mugho Pine	9.77	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1085	EA	12" To 15" Spread Pinus mugo - Mugho Pine	7.56	
32 93 43 00-1086	EA	15" To 18" Spread Pinus mugo - Mugho Pine	9.02	
32 93 43 00-1087	EA	18" To 24" Spread Pinus mugo - Mugho Pine	12.21	
32 93 43 00-1088	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	17.10	
32 93 43 00-1089	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	21.98	
32 93 43 00-1090	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	27.38	
32 93 43 00-1091	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	33.26	
32 93 43 00-1092	EA	6' Pinus nigra - Austrian Pine	78.08	
32 93 43 00-1093	EA	7' Pinus nigra - Austrian Pine	93.69	
32 93 43 00-1094	EA	8' Pinus nigra - Austrian Pine	121.80	
32 93 43 00-1095	EA	9' Pinus nigra - Austrian Pine	140.54	
32 93 43 00-1096	EA	10' Pinus nigra - Austrian Pine	165.52	
32 93 43 00-1097	EA	12' Pinus nigra - Austrian Pine	187.38	
32 93 43 00-1098	EA	14' Pinus nigra - Austrian Pine	209.24	
32 93 43 00-1099	EA	16' Pinus nigra - Austrian Pine	237.35	
32 93 43 00-1100	EA	5' Pinus peuce - Macedonian Pine	96.81	
32 93 43 00-1101	EA	6' Pinus peuce - Macedonian Pine	121.80	
32 93 43 00-1102	EA	7' Pinus peuce - Macedonian Pine	140.54	
32 93 43 00-1103	EA	8' Pinus peuce - Macedonian Pine	159.28	
32 93 43 00-1104	EA	9' Pinus peuce - Macedonian Pine	184.26	
32 93 43 00-1105	EA	2' Pinus strobus - Pyramidal White Pine	8.65	
32 93 43 00-1106	EA	3' Pinus strobus - Pyramidal White Pine	11.56	
32 93 43 00-1107	EA	4' Pinus strobus - Pyramidal White Pine	12.75	
32 93 43 00-1108	EA	5' Pinus strobus - Pyramidal White Pine	13.94	
32 93 43 00-1109	EA	6' Pinus strobus - Pyramidal White Pine	17.37	
32 93 43 00-1110	EA	7' Pinus strobus - Pyramidal White Pine	23.11	
32 93 43 00-1111	EA	8' Pinus strobus - Pyramidal White Pine	31.76	
32 93 43 00-1112	EA	10' Pinus strobus - Pyramidal White Pine	63.38	
32 93 43 00-1113	EA	12' Pinus strobus - Pyramidal White Pine	150.61	
32 93 43 00-1114	EA	14' Pinus strobus - Pyramidal White Pine	202.06	
32 93 43 00-1115	EA	16' Pinus strobus - Pyramidal White Pine	243.06	
32 93 43 00-1116	EA	2' Pinus strobus - White Pine	13.29	
32 93 43 00-1117	EA	3' Pinus strobus - White Pine	18.96	
32 93 43 00-1118	EA	4' Pinus strobus - White Pine	30.24	
32 93 43 00-1119	EA	5' Pinus strobus - White Pine	43.10	
32 93 43 00-1120	EA	6' Pinus strobus - White Pine	63.21	
32 93 43 00-1121	EA	7' Pinus strobus - White Pine	75.42	
32 93 43 00-1122	EA	8' Pinus strobus - White Pine	102.00	
32 93 43 00-1123	EA	10' Pinus strobus - White Pine	137.20	
32 93 43 00-1124	EA	12' Pinus strobus - White Pine	181.73	
32 93 43 00-1125	EA	14' Pinus strobus - White Pine	222.67	
32 93 43 00-1126	EA	16' Pinus strobus - White Pine	270.80	
32 93 43 00-1127	EA	3' Pinus sylvestris - Scotch Pine	20.52	
32 93 43 00-1128	EA	4' Pinus sylvestris - Scotch Pine	28.48	
32 93 43 00-1129	EA	5' Pinus sylvestris - Scotch Pine	39.98	
32 93 43 00-1130	EA	6' Pinus sylvestris - Scotch Pine	55.47	
32 93 43 00-1131	EA	7' Pinus sylvestris - Scotch Pine	67.96	
32 93 43 00-1132	EA	8' Pinus sylvestris - Scotch Pine	95.94	
32 93 43 00-1133	EA	9' Pinus sylvestris - Scotch Pine	121.80	
32 93 43 00-1134	EA	10' Pinus sylvestris - Scotch Pine	140.54	
32 93 43 00-1135	EA	12' Pinus sylvestris - Scotch Pine	165.52	
32 93 43 00-1136	EA	14' Pinus sylvestris - Scotch Pine	187.38	
32 93 43 00-1137	EA	16' Pinus sylvestris - Scotch Pine	218.61	
32 93 43 00-1138	EA	5' To 6' Pinus taeda - Loblolly Pine	8.93	
32 93 43 00-1139	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.21	
32 93 43 00-1140	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	7.84	
32 93 43 00-1141	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	25.41	
32 93 43 00-1142	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	10.76	
32 93 43 00-1143	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	13.67	
32 93 43 00-1144	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	20.53	
32 93 43 00-1145	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	40.07	
32 93 43 00-1146	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	44.95	
32 93 43 00-1147	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	56.18	
32 93 43 00-1148	EA	1 Gallon Pinus mugo - Mugho Pine	2.91	
32 93 43 00-1149	EA	1 Gallon Podocarpus - Chinese Podocarpus	1.46	
32 93 43 00-1150	EA	3 Gallon Podocarpus - Chinese Podocarpus	3.38	
32 93 43 00-1151	EA	7 Gallon Podocarpus - Chinese Podocarpus	9.77	
32 93 43 00-1152	EA	15 Gallon Podocarpus - Chinese Podocarpus	15.88	
32 93 43 00-1153	EA	4' To 5' Podocarpus - Chinese Podocarpus	24.43	
32 93 43 00-1154	EA	5' Pseudotsuga menziesii - Douglas Fir	62.46	
32 93 43 00-1155	EA	6' Pseudotsuga menziesii - Douglas Fir	74.95	
32 93 43 00-1156	EA	7' Pseudotsuga menziesii - Douglas Fir	93.69	
32 93 43 00-1157	EA	8' Pseudotsuga menziesii - Douglas Fir	112.43	
32 93 43 00-1158	EA	9' Pseudotsuga menziesii - Douglas Fir	140.54	
32 93 43 00-1159	EA	10' Pseudotsuga menziesii - Douglas Fir	165.52	
32 93 43 00-1160	EA	12' Pseudotsuga menziesii - Douglas Fir	187.38	
32 93 43 00-1161	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	30.53	
32 93 43 00-1162	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	41.22	
32 93 43 00-1163	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	50.38	
32 93 43 00-1164	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	21.70	
32 93 43 00-1165	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	27.13	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1166	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	33.54	
32 93 43 00-1167	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	42.44	
32 93 43 00-1168	EA	6' Tsuga canadensis - Northern Hemlock	62.46	
32 93 43 00-1169	EA	7' Tsuga canadensis - Northern Hemlock	78.08	
32 93 43 00-1170	EA	8' Tsuga canadensis - Northern Hemlock	106.18	
32 93 43 00-1171	EA	9' Tsuga canadensis - Northern Hemlock	124.92	
32 93 43 00-1172	EA	10' Tsuga canadensis - Northern Hemlock	140.54	
32 93 43 00-1173	EA	12' Tsuga canadensis - Northern Hemlock	156.15	
32 93 43 00-1174	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	5.89	
32 93 43 00-1175	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	37.71	
32 93 43 00-1176	EA	6' Cedrus decurrens - Incese Cedar	52.44	
32 93 43 00-1177	EA	8' Cedrus decurrens - Incese Cedar	108.46	
32 93 43 00-1178	EA	10' Cedrus decurrens - Incese Cedar	143.66	
32 93 43 00-1179	EA	12' Cedrus decurrens - Incese Cedar	190.35	
32 93 43 00-1180	EA	6' Melaleuca linarifolia - Flaxleaf Paperbark	150.84	
32 93 43 00-1181	EA	8' Melaleuca linarifolia - Flaxleaf Paperbark	201.12	
32 93 43 00-1182	EA	10' Melaleuca linarifolia - Flaxleaf Paperbark	251.40	
32 93 43 00-1183	EA	12' Melaleuca linarifolia - Flaxleaf Paperbark	301.69	
32 93 43 00-1184	EA	24" Box Melaleuca linarifolia - Flaxleaf Paperbark	88.71	
32 93 43 00-1185	EA	6' Melaleuca quinquenervia - Cajeput Tree	150.84	
32 93 43 00-1186	EA	8' Melaleuca quinquenervia - Cajeput Tree	201.12	
32 93 43 00-1187	EA	10' Melaleuca quinquenervia - Cajeput Tree	251.40	
32 93 43 00-1188	EA	12' Melaleuca quinquenervia - Cajeput Tree	301.69	
32 93 43 00-1189	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	84.04	
32 93 43 00-1190	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	211.90	
32 93 43 00-1191	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	334.01	
32 93 43 00-1192	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	44.53	
32 93 43 00-1193	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	60.34	
32 93 43 00-1194	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	102.72	
32 93 43 00-1195	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	127.14	
32 93 43 00-1196	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	112.05	
32 93 43 00-1197	EA	6' Pinus canariensis - Canary Island Pine	172.39	
32 93 43 00-1198	EA	8' Pinus canariensis - Canary Island Pine	229.86	
32 93 43 00-1199	EA	10' Pinus canariensis - Canary Island Pine	287.32	
32 93 43 00-1200	EA	12' Pinus canariensis - Canary Island Pine	344.78	
32 93 43 00-1201	EA	24" Box Pinus canariensis - Canary Island Pine	102.72	
32 93 43 00-1202	EA	6' Pinus pinea - Italian Stone Pine	172.39	
32 93 43 00-1203	EA	8' Pinus pinea - Italian Stone Pine	229.86	
32 93 43 00-1204	EA	10' Pinus pinea - Italian Stone Pine	287.32	
32 93 43 00-1205	EA	12' Pinus pinea - Italian Stone Pine	344.78	
32 93 43 00-1206	EA	6' Pittosporum undulatum - Victorian Box	94.82	
32 93 43 00-1207	EA	8' Pittosporum undulatum - Victorian Box	150.12	
32 93 43 00-1208	EA	10' Pittosporum undulatum - Victorian Box	197.53	
32 93 43 00-1209	EA	6' Podocarpus gracilior - African Fern Pine	179.58	
32 93 43 00-1210	EA	8' Podocarpus gracilior - African Fern Pine	237.04	
32 93 43 00-1211	EA	10' Podocarpus gracilior - African Fern Pine	301.69	
32 93 43 00-1212	EA	12' Podocarpus gracilior - African Fern Pine	359.15	
32 93 43 00-1213	EA	24" Box Podocarpus gracilior - African Fern Pine	84.04	
32 93 43 00-1214	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	3.34	
32 93 43 00-1215	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	7.83	
32 93 43 00-1216	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	10.27	
32 93 43 00-1217	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	44.53	
32 93 43 00-1218	EA	24" Box Podocarpus macrophyllus - Yew Pine	86.20	
32 93 43 00-1219	EA	24" Box Rhus lancea - African Sumac	88.71	
32 93 43 00-1220	EA	30" Box Rhus lancea - African Sumac	143.66	
32 93 43 00-1221	EA	8' Rhus lancea - African Sumac	215.49	
32 93 43 00-1222	EA	10' Rhus lancea - African Sumac	240.63	
32 93 43 00-1223	EA	12' Rhus lancea - African Sumac	287.32	

32 93 43 00-1224 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1225	EA	4' To 5' Acacia baileyana - Bailey Acacia	397.36	
32 93 43 00-1226	EA	6' Acacia baileyana - Bailey Acacia	476.83	
32 93 43 00-1227	EA	8' Acacia baileyana - Bailey Acacia	556.30	
32 93 43 00-1228	EA	10' Acacia baileyana - Bailey Acacia	695.38	
32 93 43 00-1229	EA	6' Agonis flexuosa - Peppermint	238.42	
32 93 43 00-1230	EA	8' Agonis flexuosa - Peppermint	298.02	
32 93 43 00-1231	EA	10' Agonis flexuosa - Peppermint	357.62	
32 93 43 00-1232	EA	24" Box Agonis flexuosa - Peppermint	297.03	
32 93 43 00-1233	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	98.35	
32 93 43 00-1234	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	152.98	
32 93 43 00-1235	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	196.69	
32 93 43 00-1236	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	262.26	
32 93 43 00-1237	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	74.50	
32 93 43 00-1238	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	104.31	
32 93 43 00-1239	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	134.11	
32 93 43 00-1240	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	163.91	
32 93 43 00-1241	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	198.68	
32 93 43 00-1242	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	248.35	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1243	EA	6' Bauhinia purpurea - Purple Orchid Tree	536.44	
32 93 43 00-1244	EA	8' Bauhinia purpurea - Purple Orchid Tree	715.25	
32 93 43 00-1245	EA	10' Bauhinia purpurea - Purple Orchid Tree	894.06	
32 93 43 00-1246	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	232.46	
32 93 43 00-1247	EA	6' Bauhinia variegata candida - White Orchid Tree	596.04	
32 93 43 00-1248	EA	8' Bauhinia variegata candida - White Orchid Tree	794.72	
32 93 43 00-1249	EA	10' Bauhinia variegata candida - White Orchid Tree	993.40	
32 93 43 00-1250	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	427.16	
32 93 43 00-1251	EA	6' Bauninia blakeana - Hong Kong Orchid	506.63	
32 93 43 00-1252	EA	8' Bauninia blakeana - Hong Kong Orchid	675.51	
32 93 43 00-1253	EA	10' Bauninia blakeana - Hong Kong Orchid	844.39	
32 93 43 00-1254	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	536.44	
32 93 43 00-1255	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	715.25	
32 93 43 00-1256	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	894.06	
32 93 43 00-1257	EA	6' Callistemon viminalis - Weeping Bottle Brush	536.44	
32 93 43 00-1258	EA	8' Callistemon viminalis - Weeping Bottle Brush	715.25	
32 93 43 00-1259	EA	10' Callistemon viminalis - Weeping Bottle Brush	894.06	
32 93 43 00-1260	EA	12' Callistemon viminalis - Weeping Bottle Brush	1,072.87	
32 93 43 00-1261	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	208.61	
32 93 43 00-1262	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	327.82	
32 93 43 00-1263	EA	3' To 4' Chamaerops humilis - European Fan Palm	178.81	
32 93 43 00-1264	EA	5' To 6' Chamaerops humilis - European Fan Palm	238.42	
32 93 43 00-1265	EA	7' To 8' Chamaerops humilis - European Fan Palm	556.30	
32 93 43 00-1266	EA	9' To 10' Chamaerops humilis - European Fan Palm	953.66	
32 93 43 00-1267	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	139.08	
32 93 43 00-1268	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	278.15	
32 93 43 00-1269	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	357.62	
32 93 43 00-1270	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	496.70	
32 93 43 00-1271	EA	12' To 16' Cocos nucifera - Coconut Palm	418.96	
32 93 43 00-1272	EA	6' Eriobotrya deflexa - Bronze Loquat	536.44	
32 93 43 00-1273	EA	8' Eriobotrya deflexa - Bronze Loquat	715.25	
32 93 43 00-1274	EA	10' Eriobotrya deflexa - Bronze Loquat	894.06	
32 93 43 00-1275	EA	6' Eucalyptus erythrocorys - Red Cap Gum	536.44	
32 93 43 00-1276	EA	8' Eucalyptus erythrocorys - Red Cap Gum	715.25	
32 93 43 00-1277	EA	10' Eucalyptus erythrocorys - Red Cap Gum	894.06	
32 93 43 00-1278	EA	6' Eucalyptus gunnii - Cider Gum	536.44	
32 93 43 00-1279	EA	8' Eucalyptus gunnii - Cider Gum	715.25	
32 93 43 00-1280	EA	10' Eucalyptus gunnii - Cider Gum	894.06	
32 93 43 00-1281	EA	6' Eucalyptus leucoxylon - White Ironbark	536.44	
32 93 43 00-1282	EA	8' Eucalyptus leucoxylon - White Ironbark	715.25	
32 93 43 00-1283	EA	10' Eucalyptus leucoxylon - White Ironbark	894.06	
32 93 43 00-1284	EA	12' Eucalyptus leucoxylon - White Ironbark	1,072.87	
32 93 43 00-1285	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	536.44	
32 93 43 00-1286	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	715.25	
32 93 43 00-1287	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	894.06	
32 93 43 00-1288	EA	6' Eucalyptus torquala - Coral Gum	536.44	
32 93 43 00-1289	EA	8' Eucalyptus torquala - Coral Gum	715.25	
32 93 43 00-1290	EA	10' Eucalyptus torquala - Coral Gum	894.06	
32 93 43 00-1291	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	556.30	
32 93 43 00-1292	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	754.98	
32 93 43 00-1293	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	933.80	
32 93 43 00-1294	EA	6' Jacarandra acutifolia - Jacaranda	536.44	
32 93 43 00-1295	EA	8' Jacarandra acutifolia - Jacaranda	715.25	
32 93 43 00-1296	EA	10' Jacarandra acutifolia - Jacaranda	894.06	
32 93 43 00-1297	EA	24" Box Jacarandra acutifolia - Jacaranda	232.46	
32 93 43 00-1298	EA	6' Olea europaea - Olive "Fruitless"	536.44	
32 93 43 00-1299	EA	8' Olea europaea - Olive "Fruitless"	715.25	
32 93 43 00-1300	EA	10' Olea europaea - Olive "Fruitless"	894.06	
32 93 43 00-1301	EA	12' Olea europaea - Olive "Fruitless"	1,072.87	
32 93 43 00-1302	EA	24" Box Olea europaea - Olive "Fruitless"	659.62	
32 93 43 00-1303	EA	5 Gallon Pistacia chinensis - Chinese Pistache	35.76	
32 93 43 00-1304	EA	15 Gallon Pistacia chinensis - Chinese Pistache	119.21	
32 93 43 00-1305	EA	24" Box Pistacia chinensis - Chinese Pistache	462.92	
32 93 43 00-1306	EA	36" Box Pistacia chinensis - Chinese Pistache	1,231.82	
32 93 43 00-1307	EA	48" Box Pistacia chinensis - Chinese Pistache	2,622.58	
32 93 43 00-1308	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	36.95	
32 93 43 00-1309	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	123.18	
32 93 43 00-1310	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	462.92	
32 93 43 00-1311	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	846.38	
32 93 43 00-1312	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	1,231.82	
32 93 43 00-1313	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	36.95	
32 93 43 00-1314	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	131.13	
32 93 43 00-1315	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	476.83	
32 93 43 00-1316	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	846.38	
32 93 43 00-1317	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	1,231.82	
32 93 43 00-1318	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	149.01	
32 93 43 00-1319	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	248.35	
32 93 43 00-1320	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	377.49	
32 93 43 00-1321	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	427.16	
32 93 43 00-1322	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	496.70	
32 93 43 00-1323	EA	4' To 5' Rhapis excelsa - Lady Palm	377.49	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1324	EA	6' To 7' Rhapis excelsa - Lady Palm	536.44	
32 93 43 00-1325	EA	8' To 9' Roystonea regia - Royal Palm	303.98	
32 93 43 00-1326	EA	10' To 11' Roystonea regia - Royal Palm	371.53	
32 93 43 00-1327	EA	12' To 13' Roystonea regia - Royal Palm	439.08	
32 93 43 00-1328	EA	14' To 15' Roystonea regia - Royal Palm	506.63	
32 93 43 00-1329	EA	16' To 17' Roystonea regia - Royal Palm	574.19	
32 93 43 00-1330	EA	18' To 19' Roystonea regia - Royal Palm	641.74	
32 93 43 00-1331	EA	20' To 21' Roystonea regia - Royal Palm	709.29	
32 93 43 00-1332	EA	10' To 16' Sabal palmetto - Cabbage Palm	153.62	
32 93 43 00-1333	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	417.23	
32 93 43 00-1334	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	536.44	
32 93 43 00-1335	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	655.64	
32 93 43 00-1336	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	4.95	
32 93 43 00-1337	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	15.40	
32 93 43 00-1338	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	53.90	
32 93 43 00-1339	EA	24" Box Washingtonia robusta - Mexican Fan Palm	175.98	
32 93 43 00-1340	EA	36" Box Washingtonia robusta - Mexican Fan Palm	467.46	
32 93 43 00-1341	EA	6' Washingtonia robusta - Mexican Fan Palm	536.44	
32 93 43 00-1342	EA	8' Washingtonia robusta - Mexican Fan Palm	715.25	
32 93 43 00-1343	EA	10' Washingtonia robusta - Mexican Fan Palm	894.06	
32 93 43 00-1344	EA	12' Washingtonia robusta - Mexican Fan Palm	1,072.87	

32 93 53 Planting Of Trees, Shrubs And Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees *(32 93 53)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.06	
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.70	
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.13	
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.39	
32 93 53 00-0006	EA	1 Gallon Container Tree Planting	16.97	
		For >10 To 25, Deduct	*-0.85*	
		For >25 To 50, Deduct	*-2.12*	
		For >50 To 100, Deduct	*-3.39*	
		For >100, Deduct	*-5.09*	
32 93 53 00-0007	EA	2 Gallon Container Tree Planting	23.77	
		For >10 To 25, Deduct	*-1.19*	
		For >25 To 50, Deduct	*-2.97*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-7.13*	
32 93 53 00-0008	EA	3 Gallon Container Tree Planting	30.56	
		For >10 To 25, Deduct	*-1.53*	
		For >25 To 50, Deduct	*-3.82*	
		For >50 To 100, Deduct	*-6.11*	
		For >100, Deduct	*-9.17*	
32 93 53 00-0009	EA	5 Gallon Container Tree Planting	50.92	
		For >10 To 25, Deduct	*-2.55*	
		For >25 To 50, Deduct	*-6.37*	
		For >50 To 100, Deduct	*-10.18*	
		For >100, Deduct	*-15.28*	
32 93 53 00-0010	EA	7 Gallon Container Tree Planting	67.91	
		For >10 To 25, Deduct	*-3.40*	
		For >25 To 50, Deduct	*-8.49*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-20.37*	
32 93 53 00-0011	EA	10 Gallon Container Tree Planting	88.27	
		For >10 To 25, Deduct	*-4.41*	
		For >25 To 50, Deduct	*-11.03*	
		For >50 To 100, Deduct	*-17.65*	
		For >100, Deduct	*-26.48*	
32 93 53 00-0012	EA	15 Gallon Container Tree Planting	125.62	
		For >10 To 25, Deduct	*-6.28*	
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-25.12*	
		For >100, Deduct	*-37.69*	
32 93 53 00-0013	EA	20 Gallon Container Tree Planting	207.10	
		For >10 To 25, Deduct	*-10.36*	
		For >25 To 50, Deduct	*-25.89*	
		For >50 To 100, Deduct	*-41.42*	
		For >100, Deduct	*-62.13*	
32 93 53 00-0014	EA	25 Gallon Container Tree Planting	268.22	
		For >10 To 25, Deduct	*-13.41*	
		For >25 To 50, Deduct	*-33.53*	
		For >50 To 100, Deduct	*-53.64*	
		For >100, Deduct	*-80.47*	
32 93 53 00-0015	EA	30 Gallon Container Tree Planting	322.54	
		For >10 To 25, Deduct	*-16.13*	
		For >25 To 50, Deduct	*-40.32*	
		For >50 To 100, Deduct	*-64.51*	
		For >100, Deduct	*-96.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0016	EA	45 Gallon Container Tree Planting	400.63	
		For >10 To 25, Deduct	*-20.03*	
		For >25 To 50, Deduct	*-50.08*	
		For >50 To 100, Deduct	*-80.13*	
		For >100, Deduct	*-120.19*	
32 93 53 00-0017	EA	65 Gallon Container Tree Planting	475.32	
		For >10 To 25, Deduct	*-23.77*	
		For >25 To 50, Deduct	*-59.42*	
		For >50 To 100, Deduct	*-95.06*	
		For >100, Deduct	*-142.60*	
32 93 53 00-0018	EA	6' Balled And Burlapped Tree Planting	169.75	
		For >10 To 25, Deduct	*-8.49*	
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-33.95*	
		For >100, Deduct	*-50.93*	
32 93 53 00-0019	EA	7' Balled And Burlapped Tree Planting	226.12	
		For >10 To 25, Deduct	*-11.31*	
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-45.22*	
		For >100, Deduct	*-67.84*	
32 93 53 00-0020	EA	8' Balled And Burlapped Tree Planting	254.64	
		For >10 To 25, Deduct	*-12.73*	
		For >25 To 50, Deduct	*-31.83*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-76.39*	
32 93 53 00-0021	EA	10' Balled And Burlapped Tree Planting	297.08	
		For >10 To 25, Deduct	*-14.85*	
		For >25 To 50, Deduct	*-37.14*	
		For >50 To 100, Deduct	*-59.42*	
		For >100, Deduct	*-89.12*	
32 93 53 00-0022	EA	12' Balled And Burlapped Tree Planting	397.23	
		For >10 To 25, Deduct	*-19.86*	
		For >25 To 50, Deduct	*-49.65*	
		For >50 To 100, Deduct	*-79.45*	
		For >100, Deduct	*-119.17*	
32 93 53 00-0023	EA	14' Balled And Burlapped Tree Planting	454.96	
		For >10 To 25, Deduct	*-22.75*	
		For >25 To 50, Deduct	*-56.87*	
		For >50 To 100, Deduct	*-90.99*	
		For >100, Deduct	*-136.49*	
32 93 53 00-0024	EA	16' Balled And Burlapped Tree Planting	551.72	
		For >10 To 25, Deduct	*-27.59*	
		For >25 To 50, Deduct	*-68.97*	
		For >50 To 100, Deduct	*-110.34*	
		For >100, Deduct	*-165.52*	
32 93 53 00-0025	EA	18' Balled And Burlapped Tree Planting	662.06	
		For >10 To 25, Deduct	*-33.10*	
		For >25 To 50, Deduct	*-82.76*	
		For >50 To 100, Deduct	*-132.41*	
		For >100, Deduct	*-198.62*	
32 93 53 00-0026	EA	20' Balled And Burlapped Tree Planting	763.92	
		For >10 To 25, Deduct	*-38.20*	
		For >25 To 50, Deduct	*-95.49*	
		For >50 To 100, Deduct	*-152.78*	
		For >100, Deduct	*-229.18*	
32 93 53 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	254.64	
		For >10 To 25, Deduct	*-12.73*	
		For >25 To 50, Deduct	*-31.83*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-76.39*	
32 93 53 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	297.08	
		For >10 To 25, Deduct	*-14.85*	
		For >25 To 50, Deduct	*-37.14*	
		For >50 To 100, Deduct	*-59.42*	
		For >100, Deduct	*-89.12*	
32 93 53 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	398.93	
		For >10 To 25, Deduct	*-19.95*	
		For >25 To 50, Deduct	*-49.87*	
		For >50 To 100, Deduct	*-79.79*	
		For >100, Deduct	*-119.68*	
32 93 53 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	458.35	
		For >10 To 25, Deduct	*-22.92*	
		For >25 To 50, Deduct	*-57.29*	
		For >50 To 100, Deduct	*-91.67*	
		For >100, Deduct	*-137.51*	
32 93 53 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	509.27	
		For >10 To 25, Deduct	*-25.46*	
		For >25 To 50, Deduct	*-63.66*	
		For >50 To 100, Deduct	*-101.85*	
		For >100, Deduct	*-152.78*	
32 93 53 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	583.97	
		For >10 To 25, Deduct	*-29.20*	
		For >25 To 50, Deduct	*-73.00*	
		For >50 To 100, Deduct	*-116.79*	
		For >100, Deduct	*-175.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0033		Planting Shrubs *(32 93 53)*		
		Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034	EA	1 Gallon Container Shrub Planting	14.44	
		For >10 To 25, Deduct	*-0.72*	
		For >25 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-4.33*	
32 93 53 00-0035	EA	2 Gallon Container Shrub Planting	20.38	
		For >10 To 25, Deduct	*-1.02*	
		For >25 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-6.11*	
32 93 53 00-0036	EA	3 Gallon Container Shrub Planting	25.46	
		For >10 To 25, Deduct	*-1.27*	
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-5.09*	
		For >100, Deduct	*-7.64*	
32 93 53 00-0037	EA	4 Gallon Container Shrub Planting	33.95	
		For >10 To 25, Deduct	*-1.70*	
		For >25 To 50, Deduct	*-4.24*	
		For >50 To 100, Deduct	*-6.79*	
		For >100, Deduct	*-10.19*	
32 93 53 00-0038	EA	5 Gallon Container Shrub Planting	42.44	
		For >10 To 25, Deduct	*-2.12*	
		For >25 To 50, Deduct	*-5.31*	
		For >50 To 100, Deduct	*-8.49*	
		For >100, Deduct	*-12.73*	
32 93 53 00-0039	EA	7 Gallon Container Shrub Planting	57.72	
		For >10 To 25, Deduct	*-2.89*	
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-11.54*	
		For >100, Deduct	*-17.32*	
32 93 53 00-0040	EA	10 Gallon Container Shrub Planting	76.39	
		For >10 To 25, Deduct	*-3.82*	
		For >25 To 50, Deduct	*-9.55*	
		For >50 To 100, Deduct	*-15.28*	
		For >100, Deduct	*-22.92*	
32 93 53 00-0041	EA	15 Gallon Container Shrub Planting	105.25	
		For >10 To 25, Deduct	*-5.26*	
		For >25 To 50, Deduct	*-13.16*	
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-31.58*	
32 93 53 00-0042	EA	20 Gallon Container Shrub Planting	176.55	
		For >10 To 25, Deduct	*-8.83*	
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-35.31*	
		For >100, Deduct	*-52.97*	
32 93 53 00-0043	EA	25 Gallon Container Shrub Planting	226.12	
		For >10 To 25, Deduct	*-11.31*	
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-45.22*	
		For >100, Deduct	*-67.84*	
32 93 53 00-0044	EA	15" Balled And Burlapped Shrub Planting	47.53	
		For >10 To 25, Deduct	*-2.38*	
		For >25 To 50, Deduct	*-5.94*	
		For >50 To 100, Deduct	*-9.51*	
		For >100, Deduct	*-14.26*	
32 93 53 00-0045	EA	18" Balled And Burlapped Shrub Planting	49.23	
		For >10 To 25, Deduct	*-2.46*	
		For >25 To 50, Deduct	*-6.15*	
		For >50 To 100, Deduct	*-9.85*	
		For >100, Deduct	*-14.77*	
32 93 53 00-0046	EA	24" Balled And Burlapped Shrub Planting	54.32	
		For >10 To 25, Deduct	*-2.72*	
		For >25 To 50, Deduct	*-6.79*	
		For >50 To 100, Deduct	*-10.86*	
		For >100, Deduct	*-16.30*	
32 93 53 00-0047	EA	30" Balled And Burlapped Shrub Planting	54.32	
		For >10 To 25, Deduct	*-2.72*	
		For >25 To 50, Deduct	*-6.79*	
		For >50 To 100, Deduct	*-10.86*	
		For >100, Deduct	*-16.30*	
32 93 53 00-0048	EA	36" Balled And Burlapped Shrub Planting	59.42	
		For >10 To 25, Deduct	*-2.97*	
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-11.88*	
		For >100, Deduct	*-17.83*	
32 93 53 00-0049	EA	42" Balled And Burlapped Shrub Planting	62.81	
		For >10 To 25, Deduct	*-3.14*	
		For >25 To 50, Deduct	*-7.85*	
		For >50 To 100, Deduct	*-12.56*	
		For >100, Deduct	*-18.84*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0050	EA	48" Balled And Burlapped Shrub Planting	67.91	
		For >10 To 25, Deduct	*-3.40*	
		For >25 To 50, Deduct	*-8.49*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-20.37*	
32 93 53 00-0051	EA	5' Balled And Burlapped Shrub Planting	101.86	
		For >10 To 25, Deduct	*-5.09*	
		For >25 To 50, Deduct	*-12.73*	
		For >50 To 100, Deduct	*-20.37*	
		For >100, Deduct	*-30.56*	
32 93 53 00-0052	EA	6' Balled And Burlapped Shrub Planting	144.29	
		For >10 To 25, Deduct	*-7.21*	
		For >25 To 50, Deduct	*-18.04*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-43.29*	
32 93 53 00-0053	EA	7' Balled And Burlapped Shrub Planting	191.83	
		For >10 To 25, Deduct	*-9.59*	
		For >25 To 50, Deduct	*-23.98*	
		For >50 To 100, Deduct	*-38.37*	
		For >100, Deduct	*-57.55*	
32 93 53 00-0054	EA	8' Balled And Burlapped Shrub Planting	217.29	
		For >10 To 25, Deduct	*-10.86*	
		For >25 To 50, Deduct	*-27.16*	
		For >50 To 100, Deduct	*-43.46*	
		For >100, Deduct	*-65.19*	
32 93 53 00-0055	EA	9' Balled And Burlapped Shrub Planting	234.27	
		For >10 To 25, Deduct	*-11.71*	
		For >25 To 50, Deduct	*-29.28*	
		For >50 To 100, Deduct	*-46.85*	
		For >100, Deduct	*-70.28*	
32 93 53 00-0056	EA	10' Balled And Burlapped Shrub Planting	254.64	
		For >10 To 25, Deduct	*-12.73*	
		For >25 To 50, Deduct	*-31.83*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-76.39*	

32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 53)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.41	
		For >10 To 25, Deduct	*-0.07*	
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.28*	
		For >100, Deduct	*-0.42*	
32 93 53 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	1.61	
		For >10 To 25, Deduct	*-0.08*	
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.48*	
32 93 53 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	1.89	
		For >10 To 25, Deduct	*-0.09*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.57*	
32 93 53 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	2.27	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.68*	
32 93 53 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	2.83	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-0.85*	
32 93 53 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	4.24	
		For >10 To 25, Deduct	*-0.21*	
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.27*	
32 93 53 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	13.58	
		For >10 To 25, Deduct	*-0.68*	
		For >25 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-4.07*	
32 93 53 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	18.67	
		For >10 To 25, Deduct	*-0.93*	
		For >25 To 50, Deduct	*-2.33*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-5.60*	
32 93 53 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	23.77	
		For >10 To 25, Deduct	*-1.19*	
		For >25 To 50, Deduct	*-2.97*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-7.13*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	30.56	
		For >10 To 25, Deduct	*-1.53*	
		For >25 To 50, Deduct	*-3.82*	
		For >50 To 100, Deduct	*-6.11*	
		For >100, Deduct	*-9.17*	
32 93 53 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	37.35	
		For >10 To 25, Deduct	*-1.87*	
		For >25 To 50, Deduct	*-4.67*	
		For >50 To 100, Deduct	*-7.47*	
		For >100, Deduct	*-11.21*	
32 93 53 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	50.92	
		For >10 To 25, Deduct	*-2.55*	
		For >25 To 50, Deduct	*-6.37*	
		For >50 To 100, Deduct	*-10.18*	
		For >100, Deduct	*-15.28*	
32 93 53 00-0070	EA	Bulb Planting	0.85	
		For >10 To 25, Deduct	*-0.04*	
		For >25 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.26*	
32 93 53 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	23.76	
		For >10 To 25, Deduct	*-1.19*	
		For >25, Deduct	*-2.97*	
32 93 53 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	33.71	
		For >10 To 25, Deduct	*-1.69*	
		For >25, Deduct	*-4.21*	
32 93 53 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	44.88	
		For >10 To 25, Deduct	*-2.24*	
		For >25, Deduct	*-5.61*	

32 93 53 00-0074 Tree Pits *(32 93 53)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 53 00-0075	EA	2' x 1-1/4' Deep Tree Pit	96.95	
32 93 53 00-0076	EA	2' x 2-1/2' Deep Tree Pit	145.39	
32 93 53 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	187.33	
32 93 53 00-0078	EA	2-1/2' x 3' Deep Tree Pit	280.93	
32 93 53 00-0079	EA	3' x 1-3/4' Deep Tree Pit	290.02	
32 93 53 00-0080	EA	3' x 3-1/2' Deep Tree Pit	432.90	
32 93 53 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	355.93	
32 93 53 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	533.19	
32 93 53 00-0083	EA	4' x 2' Deep Tree Pit	425.65	
32 93 53 00-0084	EA	4' x 4' Deep Tree Pit	638.13	
32 93 53 00-0085	EA	4-1/2' x 2' Deep Tree Pit	613.64	
32 93 53 00-0086	EA	4-1/2' x 4' Deep Tree Pit	922.19	
32 93 53 00-0087	EA	5' x 2-1/4' Deep Tree Pit	816.20	
32 93 53 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,216.20	
32 93 53 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,157.49	
32 93 53 00-0090	EA	6' x 5' Deep Tree Pit	1,733.81	
32 93 53 00-0091	EA	7' x 3' Deep Tree Pit	1,950.51	
32 93 53 00-0092	EA	7' x 6' Deep Tree Pit	2,940.52	
32 93 53 00-0093	EA	8' x 3-1/4' Deep Tree Pit	2,684.02	
32 93 53 00-0094	EA	8' x 6-1/2' Deep Tree Pit	4,024.41	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.64	2.06
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.16	2.06
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	7.20	2.06
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	8.13	2.13
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.77	2.13
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	8.76	2.13
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.38	2.20
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.10	2.20
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	8.17	2.20
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	9.10	2.26
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.82	2.26
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	9.88	2.26
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	8.08	2.13
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	10.91	2.13
32 94 13 00-0016	LF	4-1/2" x 12" Granite Edging	24.60	10.87
32 94 13 00-0017	LF	2" x 8" x 16" Precast Scallops, Green	4.90	1.57
32 94 13 00-0018	LF	2" x 8" x 16" Precast Scallops, Other Than Green	4.55	1.57
32 94 13 00-0019	LF	Brick, Set Horizontally, 1-1/2 Per LF	5.38	1.72
32 94 13 00-0020	LF	Brick, Set Horizontally, 3 Per LF	13.31	4.70

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0021	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.73	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	10.93	3.84
32 94 16 00-0002	LF	7" x 9" Railroad Ties	13.24	4.82
32 94 16 00-0003	LF	1" x 4" Redwood	3.83	1.37
32 94 16 00-0004	LF	2" x 4" Redwood Edging	5.31	2.05
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	8.53	2.74
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	11.19	3.42
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	13.02	4.02
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	3.26	1.37
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	4.94	2.05
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	8.09	2.66
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	11.09	3.42
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	13.62	4.02

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	610.89	50.89
		For >3 To 9, Deduct	*-38.18*	
		For >9, Deduct	*-78.91*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	703.44	50.89
		For >3 To 9, Deduct	*-45.12*	
		For >9, Deduct	*-93.26*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	853.07	67.85
		For >3 To 9, Deduct	*-53.80*	
		For >9, Deduct	*-111.19*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,054.53	67.85
		For >3 To 9, Deduct	*-68.91*	
		For >9, Deduct	*-142.42*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,351.16	84.83
		For >3 To 9, Deduct	*-88.61*	
		For >9, Deduct	*-183.14*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,423.21	101.79
		For >3 To 9, Deduct	*-91.47*	
		For >9, Deduct	*-189.04*	
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,563.41	101.79
		For >3 To 9, Deduct	*-101.99*	
		For >9, Deduct	*-210.78*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	2,085.18	144.20
		For >3 To 9, Deduct	*-134.76*	
		For >9, Deduct	*-278.50*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	2,166.86	144.20
		For >3 To 9, Deduct	*-140.88*	
		For >9, Deduct	*-291.16*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	2,234.92	144.20
		For >3 To 9, Deduct	*-145.99*	
		For >9, Deduct	*-301.71*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	2,289.36	144.20
		For >3 To 9, Deduct	*-150.07*	
		For >9, Deduct	*-310.15*	
32 94 43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame	2,330.20	144.20
		For >3 To 9, Deduct	*-153.14*	
		For >9, Deduct	*-316.48*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	2,560.77	169.64
		For >3 To 9, Deduct	*-166.61*	
		For >9, Deduct	*-344.33*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	564.60	50.89
		For >3 To 9, Deduct	*-34.71*	
		For >9, Deduct	*-71.74*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	680.30	50.89
		For >3 To 9, Deduct	*-43.39*	
		For >9, Deduct	*-89.67*	
32 94 43 00-0019	EA	48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,013.58	84.83
		For >3 To 9, Deduct	*-63.30*	
		For >9, Deduct	*-130.81*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	1,190.54	84.83
		For >3 To 9, Deduct	*-76.57*	
		For >9, Deduct	*-158.24*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,353.88	84.83
		For >3 To 9, Deduct	*-88.82*	
		For >9, Deduct	*-183.56*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,503.62	84.83
		For >3 To 9, Deduct	*-100.05*	
		For >9, Deduct	*-206.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0023	EA	48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,639.74	84.83
		For >3 To 9, Deduct	*-110.26*	
		For >9, Deduct	*-227.87*	
32 94 43 00-0024	EA	48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,762.24	84.83
		For >3 To 9, Deduct	*-119.45*	
		For >9, Deduct	*-246.85*	
32 94 43 00-0025	EA	60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,707.61	118.75
		For >3 To 9, Deduct	*-110.26*	
		For >9, Deduct	*-227.87*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,830.11	118.75
		For >3 To 9, Deduct	*-119.45*	
		For >9, Deduct	*-246.85*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,939.01	118.75
		For >3 To 9, Deduct	*-127.61*	
		For >9, Deduct	*-263.73*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	2,034.29	118.75
		For >3 To 9, Deduct	*-134.76*	
		For >9, Deduct	*-278.50*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	2,115.97	118.75
		For >3 To 9, Deduct	*-140.88*	
		For >9, Deduct	*-291.16*	
32 94 43 00-0030	EA	60" x 60", >600 LB Cast Iron Tree Grate With Frame	2,184.03	118.75
		For >3 To 9, Deduct	*-145.99*	
		For >9, Deduct	*-301.71*	
32 94 43 00-0031	EA	72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,085.18	144.20
		For >3 To 9, Deduct	*-134.76*	
		For >9, Deduct	*-278.50*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	2,166.86	144.20
		For >3 To 9, Deduct	*-140.88*	
		For >9, Deduct	*-291.16*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	2,234.92	144.20
		For >3 To 9, Deduct	*-145.99*	
		For >9, Deduct	*-301.71*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	2,289.36	144.20
		For >3 To 9, Deduct	*-150.07*	
		For >9, Deduct	*-310.15*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	2,330.20	144.20
		For >3 To 9, Deduct	*-153.14*	
		For >9, Deduct	*-316.48*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	2,357.42	144.20
		For >3 To 9, Deduct	*-155.18*	
		For >9, Deduct	*-320.70*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	2,371.04	144.20
		For >3 To 9, Deduct	*-156.20*	
		For >9, Deduct	*-322.81*	
32 94 43 00-0038	EA	72" x 72", >850 LB Cast Iron Tree Grate With Frame	2,384.65	144.20
		For >3 To 9, Deduct	*-157.22*	
		For >9, Deduct	*-324.92*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,054.53	67.85
		For >3 To 9, Deduct	*-68.91*	
		For >9, Deduct	*-142.42*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,074.95	67.85
		For >3 To 9, Deduct	*-70.44*	
		For >9, Deduct	*-145.58*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	1,314.41	84.83
		For >3 To 9, Deduct	*-85.86*	
		For >9, Deduct	*-177.44*	
32 94 43 00-0043	EA	48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,541.73	84.83
		For >3 To 9, Deduct	*-102.91*	
		For >9, Deduct	*-212.67*	
32 94 43 00-0044	EA	48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,639.74	84.83
		For >3 To 9, Deduct	*-110.26*	
		For >9, Deduct	*-227.87*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	2,207.69	144.20
		For >3 To 9, Deduct	*-143.95*	
		For >9, Deduct	*-297.49*	

32 94 49 Plant And Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	19.32
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	33.86
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	58.25

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	82.03

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	110.76	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	142.27	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	183.18	
32 94 49 00-0011		**Tree Wrap** *(32 94 49)*		
32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.05	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.32	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.34	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	24.95	
32 94 49 00-0016		**Tree Guards** *(32 94 49)*		
32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	8.73	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	7.97	
32 94 49 00-0019		**Stake Out Tree And Shrub Locations** *(32 94 49)* Note: When no design available.		
32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	5.21	
32 94 49 00-0021		**Root Barriers** *(32 94 49)*		
32 94 49 00-0022	EA	12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	7.79	
32 94 49 00-0023	EA	18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	10.77	
32 94 49 00-0024	EA	24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	12.66	
32 94 49 00-0025	EA	36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	23.18	
32 94 49 00-0026	EA	48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	31.82	

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001		**Moving Shrubs On Site, Relocate** *(32 96 33)* Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	58.00	
		For >25 To 50, Deduct	*-5.80*	
		For >50, Deduct	*-8.70*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	78.47	
		For >25 To 50, Deduct	*-7.85*	
		For >50, Deduct	*-11.77*	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	133.05	
		For >25 To 50, Deduct	*-13.31*	
		For >50, Deduct	*-19.96*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	204.70	
		For >25 To 50, Deduct	*-20.47*	
		For >50, Deduct	*-30.71*	

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001		**Moving Trees On Site, Relocate** *(32 96 43)* Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	222.10	
		For >5 To 10, Deduct	*-11.11*	
		For >10 To 20, Deduct	*-22.21*	
		For >20, Deduct	*-33.32*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	304.60	
		For >5 To 10, Deduct	*-15.23*	
		For >10 To 20, Deduct	*-30.46*	
		For >20, Deduct	*-45.69*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	493.57	
		For >5 To 10, Deduct	*-24.68*	
		For >10 To 20, Deduct	*-49.36*	
		For >20, Deduct	*-74.04*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	820.09	
		For >5 To 10, Deduct	*-41.00*	
		For >10 To 20, Deduct	*-82.01*	
		For >20, Deduct	*-123.01*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,332.64	
		For >5 To 10, Deduct	*-66.63*	
		For >10 To 20, Deduct	*-133.26*	
		For >20, Deduct	*-199.90*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	1,719.54	
		For >5 To 10, Deduct	*-85.98*	
		For >10 To 20, Deduct	*-171.95*	
		For >20, Deduct	*-257.93*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	2,221.06	
		For >5 To 10, Deduct	*-111.05*	
		For >10 To 20, Deduct	*-222.11*	
		For >20, Deduct	*-333.16*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	2,665.28	
		For >5 To 10, Deduct	*-133.26*	
		For >10 To 20, Deduct	*-266.53*	
		For >20, Deduct	*-399.79*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	3,028.72	
		For >5 To 10, Deduct	*-151.44*	
		For >10 To 20, Deduct	*-302.87*	
		For >20, Deduct	*-454.31*	

END OF SECTION 32

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

33 01 Operation And Maintenance Of Utilities *(33)*

33 01 10 Operation And Maintenance Of Water Utilities *(33 01)*

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	780.57
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	390.28
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.30
		For >250 To 500, Deduct	*-0.02*
		For >500 To 1,000, Deduct	*-0.03*
		For >1,000 To 2,000, Deduct	*-0.05*
		For >2,000 To 5,000, Deduct	*-0.06*
		For >5,000, Deduct	*-0.08*
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.45
		For >250 To 500, Deduct	*-0.02*
		For >500 To 1,000, Deduct	*-0.05*
		For >1,000 To 2,000, Deduct	*-0.07*
		For >2,000 To 5,000, Deduct	*-0.09*
		For >5,000, Deduct	*-0.11*
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.58
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.06*
		For >1,000 To 2,000, Deduct	*-0.09*
		For >2,000 To 5,000, Deduct	*-0.12*
		For >5,000, Deduct	*-0.15*
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.69
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.07*
		For >1,000 To 2,000, Deduct	*-0.10*
		For >2,000 To 5,000, Deduct	*-0.14*
		For >5,000, Deduct	*-0.17*
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.90
		For >250 To 500, Deduct	*-0.05*
		For >500 To 1,000, Deduct	*-0.09*
		For >1,000 To 2,000, Deduct	*-0.14*
		For >2,000 To 5,000, Deduct	*-0.18*
		For >5,000, Deduct	*-0.23*
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.02
		For >250 To 500, Deduct	*-0.05*
		For >500 To 1,000, Deduct	*-0.10*
		For >1,000 To 2,000, Deduct	*-0.15*
		For >2,000 To 5,000, Deduct	*-0.20*
		For >5,000, Deduct	*-0.26*
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.17
		For >250 To 500, Deduct	*-0.06*
		For >500 To 1,000, Deduct	*-0.12*
		For >1,000 To 2,000, Deduct	*-0.18*
		For >2,000 To 5,000, Deduct	*-0.23*
		For >5,000, Deduct	*-0.29*
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.38
		For >250 To 500, Deduct	*-0.07*
		For >500 To 1,000, Deduct	*-0.14*
		For >1,000 To 2,000, Deduct	*-0.21*
		For >2,000 To 5,000, Deduct	*-0.28*
		For >5,000, Deduct	*-0.35*
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.77
		For >250 To 500, Deduct	*-0.09*
		For >500 To 1,000, Deduct	*-0.18*
		For >1,000 To 2,000, Deduct	*-0.27*
		For >2,000 To 5,000, Deduct	*-0.35*
		For >5,000, Deduct	*-0.44*
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.60
		For >250 To 500, Deduct	*-0.13*
		For >500 To 1,000, Deduct	*-0.26*
		For >1,000 To 2,000, Deduct	*-0.39*
		For >2,000 To 5,000, Deduct	*-0.52*
		For >5,000, Deduct	*-0.65*
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	3.60
		For >250 To 500, Deduct	*-0.18*
		For >500 To 1,000, Deduct	*-0.36*
		For >1,000 To 2,000, Deduct	*-0.54*
		For >2,000 To 5,000, Deduct	*-0.72*
		For >5,000, Deduct	*-0.90*

33 01 30 Operation And Maintenance Of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	687.73	
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	1,375.46	
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,063.19	
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	343.86	
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	687.73	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	1.75	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.61*	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.32	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.81*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.91	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.02*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.87	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.35*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.45	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-1.91*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	7.26	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000 To 5,000, Deduct	*-1.82*	
		For >5,000, Deduct	*-2.54*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	10.26	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 5,000, Deduct	*-2.57*	
		For >5,000, Deduct	*-3.59*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	14.53	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 5,000, Deduct	*-3.63*	
		For >5,000, Deduct	*-5.09*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.58	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-0.90*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.44	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.20*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.30	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-1.51*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.74	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.01*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.06	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 5,000, Deduct	*-2.02*	
		For >5,000, Deduct	*-2.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	10.74	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.76*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	15.17	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000 To 5,000, Deduct	*-3.79*	
		For >5,000, Deduct	*-5.31*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	21.49	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 5,000, Deduct	*-5.37*	
		For >5,000, Deduct	*-7.52*	

33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase	1.84	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.64*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.45	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.86*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase	3.07	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 5,000, Deduct	*-0.77*	
		For >5,000, Deduct	*-1.07*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase	4.09	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.43*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase	5.76	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.02*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase	7.68	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 5,000, Deduct	*-1.92*	
		For >5,000, Deduct	*-2.69*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase	10.83	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 5,000, Deduct	*-2.71*	
		For >5,000, Deduct	*-3.79*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase	15.35	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 5,000, Deduct	*-3.84*	
		For >5,000, Deduct	*-5.37*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	310.82
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	364.90
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	456.10

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0047 for PE piping.

33 01 30 23-0007 Pipe Bursting Equipment Set-up *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up Pipe Bursting Equipment	5,403.88
33 01 30 23-0009	EA	Re-Set Up/Move Pipe Bursting Equipment	2,701.94
33 01 30 23-0010	EA	Set Up/Move Pipe Bursting Equipment For Laterals	1,350.97

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0011		Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*		
33 01 30 23-0012	LF	4" Diameter, Pneumatic Head Pipe Bursting	17.59	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*0.95*	
		For >150 To 200, Add	*0.61*	
		For >100 To 150, Add	*1.23*	
		For >75 To 100, Add	*1.84*	
		For >50 To 75, Add	*2.46*	
		For >25 To 50, Add	*3.68*	
		For Up To 25, Add	*5.53*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.23*	
		For Bursting Ductile Iron Pipe, Add	*3.07*	
33 01 30 23-0013	LF	6" Diameter, Pneumatic Head Pipe Bursting	20.53	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.17*	
		For >150 To 200, Add	*0.76*	
		For >100 To 150, Add	*1.52*	
		For >75 To 100, Add	*2.28*	
		For >50 To 75, Add	*3.04*	
		For >25 To 50, Add	*4.57*	
		For Up To 25, Add	*6.85*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.52*	
		For Bursting Ductile Iron Pipe, Add	*3.81*	
33 01 30 23-0014	LF	8" Diameter, Pneumatic Head Pipe Bursting	23.31	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.39*	
		For >150 To 200, Add	*0.90*	
		For >100 To 150, Add	*1.80*	
		For >75 To 100, Add	*2.70*	
		For >50 To 75, Add	*3.60*	
		For >25 To 50, Add	*5.40*	
		For Up To 25, Add	*8.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.80*	
		For Bursting Ductile Iron Pipe, Add	*4.50*	
33 01 30 23-0015	LF	10" Diameter, Pneumatic Head Pipe Bursting	26.88	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.66*	
		For >150 To 200, Add	*1.08*	
		For >100 To 150, Add	*2.16*	
		For >75 To 100, Add	*3.24*	
		For >50 To 75, Add	*4.31*	
		For >25 To 50, Add	*6.47*	
		For Up To 25, Add	*9.71*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.16*	
		For Bursting Ductile Iron Pipe, Add	*5.39*	
33 01 30 23-0016	LF	12" Diameter, Pneumatic Head Pipe Bursting	31.00	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.98*	
		For >150 To 200, Add	*1.28*	
		For >100 To 150, Add	*2.57*	
		For >75 To 100, Add	*3.85*	
		For >50 To 75, Add	*5.14*	
		For >25 To 50, Add	*7.71*	
		For Up To 25, Add	*11.56*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.57*	
		For Bursting Ductile Iron Pipe, Add	*6.42*	
33 01 30 23-0017	LF	15" Diameter, Pneumatic Head Pipe Bursting	33.85	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.04*	
		For >150 To 200, Add	*1.33*	
		For >100 To 150, Add	*2.65*	
		For >75 To 100, Add	*3.98*	
		For >50 To 75, Add	*5.30*	
		For >25 To 50, Add	*7.95*	
		For Up To 25, Add	*11.93*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.65*	
		For Bursting Ductile Iron Pipe, Add	*6.63*	
33 01 30 23-0018	LF	18" Diameter, Pneumatic Head Pipe Bursting	37.98	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.36*	
		For >150 To 200, Add	*1.53*	
		For >100 To 150, Add	*3.06*	
		For >75 To 100, Add	*4.60*	
		For >50 To 75, Add	*6.13*	
		For >25 To 50, Add	*9.19*	
		For Up To 25, Add	*13.79*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.06*	
		For Bursting Ductile Iron Pipe, Add	*7.66*	
33 01 30 23-0019	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	47.48	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.81*	
		For >150 To 200, Add	*1.82*	
		For >100 To 150, Add	*3.65*	
		For >75 To 100, Add	*5.47*	
		For >50 To 75, Add	*7.29*	
		For >25 To 50, Add	*10.94*	
		For Up To 25, Add	*16.41*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.65*	
		For Bursting Ductile Iron Pipe, Add	*9.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0020	LF	24" Diameter, Pneumatic Head Pipe Bursting	59.20	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.71*	
		For >150 To 200, Add	*2.41*	
		For >100 To 150, Add	*4.82*	
		For >75 To 100, Add	*7.23*	
		For >50 To 75, Add	*9.64*	
		For >25 To 50, Add	*14.45*	
		For Up To 25, Add	*21.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.82*	
		For Bursting Ductile Iron Pipe, Add	*12.05*	
33 01 30 23-0021	LF	30" Diameter, Pneumatic Head Pipe Bursting	64.66	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.85*	
		For >150 To 200, Add	*2.50*	
		For >100 To 150, Add	*5.00*	
		For >75 To 100, Add	*7.50*	
		For >50 To 75, Add	*10.00*	
		For >25 To 50, Add	*14.99*	
		For Up To 25, Add	*22.49*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.00*	
		For Bursting Ductile Iron Pipe, Add	*12.50*	
33 01 30 23-0022	LF	36" Diameter, Pneumatic Head Pipe Bursting	84.37	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.37*	
		For >150 To 200, Add	*3.48*	
		For >100 To 150, Add	*6.97*	
		For >75 To 100, Add	*10.45*	
		For >50 To 75, Add	*13.94*	
		For >25 To 50, Add	*20.91*	
		For Up To 25, Add	*31.36*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.97*	
		For Bursting Ductile Iron Pipe, Add	*17.42*	
33 01 30 23-0023		Static Head Pipe Bursting *(33 01 30 23-0006)*		
33 01 30 23-0024	LF	4" Diameter, Static Head Pipe Bursting	23.57	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.41*	
		For >150 To 200, Add	*0.91*	
		For >100 To 150, Add	*1.83*	
		For >75 To 100, Add	*2.74*	
		For >50 To 75, Add	*3.65*	
		For >25 To 50, Add	*5.48*	
		For Up To 25, Add	*8.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.83*	
		For Bursting Ductile Iron Pipe, Add	*4.57*	
33 01 30 23-0025	LF	6" Diameter, Static Head Pipe Bursting	26.53	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.63*	
		For >150 To 200, Add	*1.06*	
		For >100 To 150, Add	*2.12*	
		For >75 To 100, Add	*3.18*	
		For >50 To 75, Add	*4.24*	
		For >25 To 50, Add	*6.37*	
		For Up To 25, Add	*9.55*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.12*	
		For Bursting Ductile Iron Pipe, Add	*5.31*	
33 01 30 23-0026	LF	8" Diameter, Static Head Pipe Bursting	29.97	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.90*	
		For >150 To 200, Add	*1.23*	
		For >100 To 150, Add	*2.47*	
		For >75 To 100, Add	*3.70*	
		For >50 To 75, Add	*4.93*	
		For >25 To 50, Add	*7.40*	
		For Up To 25, Add	*11.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.47*	
		For Bursting Ductile Iron Pipe, Add	*6.17*	
33 01 30 23-0027	LF	10" Diameter, Static Head Pipe Bursting	34.43	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.24*	
		For >150 To 200, Add	*1.46*	
		For >100 To 150, Add	*2.91*	
		For >75 To 100, Add	*4.37*	
		For >50 To 75, Add	*5.82*	
		For >25 To 50, Add	*8.74*	
		For Up To 25, Add	*13.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.91*	
		For Bursting Ductile Iron Pipe, Add	*7.28*	
33 01 30 23-0028	LF	12" Diameter, Static Head Pipe Bursting	39.58	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.64*	
		For >150 To 200, Add	*1.71*	
		For >100 To 150, Add	*3.43*	
		For >75 To 100, Add	*5.14*	
		For >50 To 75, Add	*6.85*	
		For >25 To 50, Add	*10.28*	
		For Up To 25, Add	*15.42*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.43*	
		For Bursting Ductile Iron Pipe, Add	*8.57*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0029	LF	15" Diameter, Static Head Pipe Bursting	44.95	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.90*	
		For >150 To 200, Add	*1.88*	
		For >100 To 150, Add	*3.76*	
		For >75 To 100, Add	*5.64*	
		For >50 To 75, Add	*7.52*	
		For >25 To 50, Add	*11.28*	
		For Up To 25, Add	*16.92*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.76*	
		For Bursting Ductile Iron Pipe, Add	*9.40*	
33 01 30 23-0030	LF	18" Diameter, Static Head Pipe Bursting	49.89	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.28*	
		For >150 To 200, Add	*2.13*	
		For >100 To 150, Add	*4.26*	
		For >75 To 100, Add	*6.38*	
		For >50 To 75, Add	*8.51*	
		For >25 To 50, Add	*12.77*	
		For Up To 25, Add	*19.15*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.26*	
		For Bursting Ductile Iron Pipe, Add	*10.64*	
33 01 30 23-0031	LF	21"/22" Diameter, Static Head Pipe Bursting	61.98	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.92*	
		For >150 To 200, Add	*2.55*	
		For >100 To 150, Add	*5.10*	
		For >75 To 100, Add	*7.64*	
		For >50 To 75, Add	*10.19*	
		For >25 To 50, Add	*15.29*	
		For Up To 25, Add	*22.93*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.10*	
		For Bursting Ductile Iron Pipe, Add	*12.74*	
33 01 30 23-0032	LF	24" Diameter, Static Head Pipe Bursting	80.78	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.37*	
		For >150 To 200, Add	*3.49*	
		For >100 To 150, Add	*6.98*	
		For >75 To 100, Add	*10.46*	
		For >50 To 75, Add	*13.95*	
		For >25 To 50, Add	*20.93*	
		For Up To 25, Add	*31.39*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.98*	
		For Bursting Ductile Iron Pipe, Add	*17.44*	
33 01 30 23-0033	LF	30" Diameter, Static Head Pipe Bursting	98.03	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.42*	
		For >150 To 200, Add	*4.17*	
		For >100 To 150, Add	*8.34*	
		For >75 To 100, Add	*12.50*	
		For >50 To 75, Add	*16.67*	
		For >25 To 50, Add	*25.01*	
		For Up To 25, Add	*37.51*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.34*	
		For Bursting Ductile Iron Pipe, Add	*20.84*	
33 01 30 23-0034	LF	36" Diameter, Static Head Pipe Bursting	119.18	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.05*	
		For >150 To 200, Add	*5.23*	
		For >100 To 150, Add	*10.45*	
		For >75 To 100, Add	*15.68*	
		For >50 To 75, Add	*20.90*	
		For >25 To 50, Add	*31.35*	
		For Up To 25, Add	*47.03*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*10.45*	
		For Bursting Ductile Iron Pipe, Add	*26.13*	

33 01 30 23-0035 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0036	LF	4" Diameter, Hydraulic Head Pipe Bursting	20.32	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.16*	
		For >150 To 200, Add	*0.75*	
		For >100 To 150, Add	*1.50*	
		For >75 To 100, Add	*2.25*	
		For >50 To 75, Add	*3.00*	
		For >25 To 50, Add	*4.50*	
		For Up To 25, Add	*6.75*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.50*	
		For Bursting Ductile Iron Pipe, Add	*3.75*	
33 01 30 23-0037	LF	6" Diameter, Hydraulic Head Pipe Bursting	22.95	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.36*	
		For >150 To 200, Add	*0.88*	
		For >100 To 150, Add	*1.76*	
		For >75 To 100, Add	*2.65*	
		For >50 To 75, Add	*3.53*	
		For >25 To 50, Add	*5.29*	
		For Up To 25, Add	*7.94*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.76*	
		For Bursting Ductile Iron Pipe, Add	*4.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0038	LF	8" Diameter, Hydraulic Head Pipe Bursting	25.98	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.59*	
		For >150 To 200, Add	*1.03*	
		For >100 To 150, Add	*2.07*	
		For >75 To 100, Add	*3.10*	
		For >50 To 75, Add	*4.13*	
		For >25 To 50, Add	*6.20*	
		For Up To 25, Add	*9.30*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.07*	
		For Bursting Ductile Iron Pipe, Add	*5.17*	
33 01 30 23-0039	LF	10" Diameter, Hydraulic Head Pipe Bursting	29.90	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.89*	
		For >150 To 200, Add	*1.23*	
		For >100 To 150, Add	*2.46*	
		For >75 To 100, Add	*3.69*	
		For >50 To 75, Add	*4.92*	
		For >25 To 50, Add	*7.38*	
		For Up To 25, Add	*11.07*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.46*	
		For Bursting Ductile Iron Pipe, Add	*6.15*	
33 01 30 23-0040	LF	12" Diameter, Hydraulic Head Pipe Bursting	34.43	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.24*	
		For >150 To 200, Add	*1.46*	
		For >100 To 150, Add	*2.91*	
		For >75 To 100, Add	*4.37*	
		For >50 To 75, Add	*5.82*	
		For >25 To 50, Add	*8.74*	
		For Up To 25, Add	*13.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.91*	
		For Bursting Ductile Iron Pipe, Add	*7.28*	
33 01 30 23-0041	LF	15" Diameter, Hydraulic Head Pipe Bursting	38.93	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.43*	
		For >150 To 200, Add	*1.58*	
		For >100 To 150, Add	*3.16*	
		For >75 To 100, Add	*4.74*	
		For >50 To 75, Add	*6.32*	
		For >25 To 50, Add	*9.48*	
		For Up To 25, Add	*14.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.16*	
		For Bursting Ductile Iron Pipe, Add	*7.90*	
33 01 30 23-0042	LF	18" Diameter, Hydraulic Head Pipe Bursting	43.79	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.81*	
		For >150 To 200, Add	*1.82*	
		For >100 To 150, Add	*3.65*	
		For >75 To 100, Add	*5.47*	
		For >50 To 75, Add	*7.29*	
		For >25 To 50, Add	*10.94*	
		For Up To 25, Add	*16.40*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.65*	
		For Bursting Ductile Iron Pipe, Add	*9.11*	
33 01 30 23-0043	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	54.68	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.36*	
		For >150 To 200, Add	*2.18*	
		For >100 To 150, Add	*4.37*	
		For >75 To 100, Add	*6.55*	
		For >50 To 75, Add	*8.73*	
		For >25 To 50, Add	*13.10*	
		For Up To 25, Add	*19.65*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.37*	
		For Bursting Ductile Iron Pipe, Add	*10.92*	
33 01 30 23-0044	LF	24" Diameter, Hydraulic Head Pipe Bursting	71.98	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.69*	
		For >150 To 200, Add	*3.05*	
		For >100 To 150, Add	*6.10*	
		For >75 To 100, Add	*9.14*	
		For >50 To 75, Add	*12.19*	
		For >25 To 50, Add	*18.29*	
		For Up To 25, Add	*27.43*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.10*	
		For Bursting Ductile Iron Pipe, Add	*15.24*	
33 01 30 23-0045	LF	30" Diameter, Hydraulic Head Pipe Bursting	88.16	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.66*	
		For >150 To 200, Add	*3.67*	
		For >100 To 150, Add	*7.35*	
		For >75 To 100, Add	*11.02*	
		For >50 To 75, Add	*14.70*	
		For >25 To 50, Add	*22.04*	
		For Up To 25, Add	*33.07*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.35*	
		For Bursting Ductile Iron Pipe, Add	*18.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0046	LF	36" Diameter, Hydraulic Head Pipe Bursting	108.26	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.21*	
		For >150 To 200, Add	*4.68*	
		For >100 To 150, Add	*9.36*	
		For >75 To 100, Add	*14.04*	
		For >50 To 75, Add	*18.72*	
		For >25 To 50, Add	*28.07*	
		For Up To 25, Add	*42.11*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.36*	
		For Bursting Ductile Iron Pipe, Add	*23.40*	

33 01 30 23-0047 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0047)*

Note: Per each joint.

33 01 30 23-0049	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	97.13	
33 01 30 23-0050	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	111.45	
33 01 30 23-0051	EA	>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	132.92	

33 01 30 23-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0047)*

Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0048 for pipe joint fusion.

33 01 30 23-0053	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	2.92	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.31*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*0.83*	
		For White Interior Pipe, Add	*0.56*	
		For Gray Interior Pipe, Add	*0.43*	
33 01 30 23-0054	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.82	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.46*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.26*	
		For White Interior Pipe, Add	*0.85*	
		For Gray Interior Pipe, Add	*0.65*	
33 01 30 23-0055	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.42	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.75*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.02*	
		For White Interior Pipe, Add	*1.37*	
		For Gray Interior Pipe, Add	*1.04*	
33 01 30 23-0056	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.09	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.86*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.34*	
		For White Interior Pipe, Add	*1.58*	
		For Gray Interior Pipe, Add	*1.20*	
33 01 30 23-0057	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.33	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.26*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.42*	
		For White Interior Pipe, Add	*2.31*	
		For Gray Interior Pipe, Add	*1.75*	
33 01 30 23-0058	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	12.25	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.96*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*5.32*	
		For White Interior Pipe, Add	*3.59*	
		For Gray Interior Pipe, Add	*2.72*	
33 01 30 23-0059	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.71	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.75*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.48*	
		For White Interior Pipe, Add	*5.05*	
		For Gray Interior Pipe, Add	*3.82*	
33 01 30 23-0060	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	18.28	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.03*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.22*	
		For White Interior Pipe, Add	*5.55*	
		For Gray Interior Pipe, Add	*4.21*	
33 01 30 23-0061	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	19.95	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.32*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*9.02*	
		For White Interior Pipe, Add	*6.09*	
		For Gray Interior Pipe, Add	*4.61*	
33 01 30 23-0062	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	25.68	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.33*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.78*	
		For White Interior Pipe, Add	*7.95*	
		For Gray Interior Pipe, Add	*6.02*	
33 01 30 23-0063	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	32.19	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.49*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*14.91*	
		For White Interior Pipe, Add	*10.06*	
		For Gray Interior Pipe, Add	*7.62*	
33 01 30 23-0064	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	39.46	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.77*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*18.40*	
		For White Interior Pipe, Add	*12.42*	
		For Gray Interior Pipe, Add	*9.41*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0065	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	47.50	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.20*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*22.26*	
		For White Interior Pipe, Add	*15.02*	
		For Gray Interior Pipe, Add	*11.38*	
33 01 30 23-0066	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	56.34	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-9.76*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*26.51*	
		For White Interior Pipe, Add	*17.89*	
		For Gray Interior Pipe, Add	*13.55*	
33 01 30 23-0067	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	65.89	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-11.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*31.09*	
		For White Interior Pipe, Add	*20.98*	
		For Gray Interior Pipe, Add	*15.89*	
33 01 30 23-0068	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	76.31	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.28*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*36.06*	
		For White Interior Pipe, Add	*24.34*	
		For Gray Interior Pipe, Add	*18.44*	
33 01 30 23-0069	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	87.50	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.24*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*41.40*	
		For White Interior Pipe, Add	*27.94*	
		For Gray Interior Pipe, Add	*21.17*	
33 01 30 23-0070	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	99.50	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.34*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*47.10*	
		For White Interior Pipe, Add	*31.78*	
		For Gray Interior Pipe, Add	*24.08*	
33 01 30 23-0071	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	122.48	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-21.39*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*58.11*	
		For White Interior Pipe, Add	*39.21*	
		For Gray Interior Pipe, Add	*29.71*	
33 01 30 23-0072	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	126.16	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-21.94*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*59.61*	
		For White Interior Pipe, Add	*40.23*	
		For Gray Interior Pipe, Add	*30.48*	

33 01 30 23-0073 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

33 01 30 23-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee *(33 01 30 23-0073)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0037 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0075	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	916.90	
		For No Excavation, Deduct	*-603.74*	
33 01 30 23-0076	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,029.66	
		For No Excavation, Deduct	*-679.20*	
33 01 30 23-0077	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,086.86	
		For No Excavation, Deduct	*-716.93*	
33 01 30 23-0078	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,144.06	
		For No Excavation, Deduct	*-754.67*	
33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,232.60	
		For No Excavation, Deduct	*-792.40*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,155.61	
		For No Excavation, Deduct	*-754.67*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,214.46	
		For No Excavation, Deduct	*-792.40*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,296.40	
		For No Excavation, Deduct	*-830.14*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,490.47	
		For No Excavation, Deduct	*-867.87*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,567.47	
		For No Excavation, Deduct	*-905.60*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,862.14	
		For No Excavation, Deduct	*-943.33*	

33 01 30 23-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style *(33 01 30 23-0073)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0037 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,229.08	
		For No Excavation, Deduct	*-673.81*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-137.31*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,484.18	
		For No Excavation, Deduct	*-700.77*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-117.91*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,596.73	
		For No Excavation, Deduct	*-727.72*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*30.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0090	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,758.44	
		For No Excavation, Deduct	*-808.57*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-2.23*	
33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	6,957.15	
		For No Excavation, Deduct	*-862.48*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*439.84*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,527.16	
		For No Excavation, Deduct	*-956.81*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*459.31*	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	10,254.10	
		For No Excavation, Deduct	*-1,051.15*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*802.31*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	9,664.55	
		For No Excavation, Deduct	*-1,185.91*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*619.55*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,761.52	
		For No Excavation, Deduct	*-1,401.53*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*783.16*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Jet Cleaning	2,119.15
33 01 30 41-0005	EA	Move And Reset Up At Different Access/Location For Jet Cleaning	529.78

33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0007	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.84
		For >250 To 500, Deduct	*-0.14*
		For >500 To 1,000, Deduct	*-0.28*
		For >1,000 To 2,000, Deduct	*-0.43*
		For >2,000 To 5,000, Deduct	*-0.57*
		For >5,000, Deduct	*-0.71*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.13*
33 01 30 41-0008	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.27
		For >250 To 500, Deduct	*-0.16*
		For >500 To 1,000, Deduct	*-0.33*
		For >1,000 To 2,000, Deduct	*-0.49*
		For >2,000 To 5,000, Deduct	*-0.65*
		For >5,000, Deduct	*-0.82*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.45*
33 01 30 41-0009	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.84
		For >250 To 500, Deduct	*-0.19*
		For >500 To 1,000, Deduct	*-0.38*
		For >1,000 To 2,000, Deduct	*-0.58*
		For >2,000 To 5,000, Deduct	*-0.77*
		For >5,000, Deduct	*-0.96*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.88*
33 01 30 41-0010	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.75
		For >250 To 500, Deduct	*-0.24*
		For >500 To 1,000, Deduct	*-0.48*
		For >1,000 To 2,000, Deduct	*-0.71*
		For >2,000 To 5,000, Deduct	*-0.95*
		For >5,000, Deduct	*-1.19*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.56*
33 01 30 41-0011	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.39
		For >250 To 500, Deduct	*-0.27*
		For >500 To 1,000, Deduct	*-0.54*
		For >1,000 To 2,000, Deduct	*-0.81*
		For >2,000 To 5,000, Deduct	*-1.08*
		For >5,000, Deduct	*-1.35*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.04*
33 01 30 41-0012	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.22
		For >250 To 500, Deduct	*-0.31*
		For >500 To 1,000, Deduct	*-0.62*
		For >1,000 To 2,000, Deduct	*-0.93*
		For >2,000 To 5,000, Deduct	*-1.24*
		For >5,000, Deduct	*-1.56*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.67*
33 01 30 41-0013	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.48
		For >250 To 500, Deduct	*-0.37*
		For >500 To 1,000, Deduct	*-0.75*
		For >1,000 To 2,000, Deduct	*-1.12*
		For >2,000 To 5,000, Deduct	*-1.50*
		For >5,000, Deduct	*-1.87*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.61*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0014	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.50	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000 To 2,000, Deduct	*-1.28*	
		For >2,000 To 5,000, Deduct	*-1.70*	
		For >5,000, Deduct	*-2.13*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.38*	
33 01 30 41-0015	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.04	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 2,000, Deduct	*-1.51*	
		For >2,000 To 5,000, Deduct	*-2.01*	
		For >5,000, Deduct	*-2.51*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.53*	
33 01 30 41-0016	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.62	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-1.89*	
		For >2,000 To 5,000, Deduct	*-2.52*	
		For >5,000, Deduct	*-3.16*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*9.47*	
33 01 30 41-0017	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.72	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,000, Deduct	*-2.21*	
		For >2,000 To 5,000, Deduct	*-2.94*	
		For >5,000, Deduct	*-3.68*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*11.04*	

33 01 30 41-0018 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0019	LF	12" To 16" Diameter Pipe Line Flushing	1.09	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.27*	
33 01 30 41-0020	LF	>16" To 24" Diameter Pipe Line Flushing	1.25	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.31*	
33 01 30 41-0021	LF	>24" To 30" Diameter Pipe Line Flushing	1.47	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.37*	
33 01 30 41-0022	LF	>30" To 42" Diameter Pipe Line Flushing	1.70	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.43*	
33 01 30 41-0023	LF	>42" To 60" Diameter Pipe Line Flushing	2.27	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.34*	
		For >2,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.57*	

33 01 30 41-0024 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0025	LF	Jet Cleaning Of Culvert, 0-250 LF	13.18	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000 To 2,000, Deduct	*-1.98*	
		For >2,000 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-3.30*	

33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0027	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	936.68	
33 01 30 41-0028	EA	Move And Reset Up At Different Access/Location	312.23	
33 01 30 41-0029	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.36	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,000, Deduct	*-0.78*	
		For >2,000 To 5,000, Deduct	*-1.04*	
		For >5,000, Deduct	*-1.30*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0030	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	7.02	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-1.67*	
33 01 30 41-0031	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	8.21	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-1.95*	
33 01 30 41-0032	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	9.50	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.35*	
		For >2,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.25*	
33 01 30 41-0033	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	10.34	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.46*	
		For >2,000 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.44*	
33 01 30 41-0034	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	11.89	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000 To 2,000, Deduct	*-1.67*	
		For >2,000 To 5,000, Deduct	*-2.23*	
		For >5,000, Deduct	*-2.79*	
33 01 30 41-0035	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	14.92	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.07*	
		For >2,000 To 5,000, Deduct	*-2.75*	
		For >5,000, Deduct	*-3.44*	
33 01 30 41-0036	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	17.01	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000 To 5,000, Deduct	*-3.07*	
		For >5,000, Deduct	*-3.84*	
33 01 30 41-0037	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	19.73	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000 To 2,000, Deduct	*-2.65*	
		For >2,000 To 5,000, Deduct	*-3.53*	
		For >5,000, Deduct	*-4.42*	
33 01 30 41-0038	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	25.88	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000 To 5,000, Deduct	*-4.68*	
		For >5,000, Deduct	*-5.85*	
33 01 30 41-0039	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	29.32	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,000, Deduct	*-3.90*	
		For >2,000 To 5,000, Deduct	*-5.20*	
		For >5,000, Deduct	*-6.51*	

33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0041	EA	Initial Set Up And Final Equipment Removal For Auguring	936.68	
33 01 30 41-0042	EA	Move And Reset Up At Different Location	312.23	
33 01 30 41-0043	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	3.12	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 2,000, Deduct	*-0.47*	
		For >2,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.78*	
33 01 30 41-0044	LF	6" Diameter Pipe Line Auguring/Rod Out	4.03	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 2,000, Deduct	*-0.60*	
		For >2,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.01*	
33 01 30 41-0045	LF	8" Diameter Pipe Line Auguring/Rod Out	4.68	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 2,000, Deduct	*-0.70*	
		For >2,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0046	LF	10" Diameter Pipe Line Auguring/Rod Out	5.45	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 2,000, Deduct	*-0.82*	
		For >2,000 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-1.36*	
33 01 30 41-0047	LF	12" Diameter Pipe Line Auguring/Rod Out	5.85	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.88*	
		For >2,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.46*	
33 01 30 41-0048	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	6.69	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-1.67*	
33 01 30 41-0049	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	8.22	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.23*	
		For >2,000 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-2.06*	
33 01 30 41-0050	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	9.18	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-2.30*	
33 01 30 41-0051	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	10.65	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.60*	
		For >2,000 To 5,000, Deduct	*-2.13*	
		For >5,000, Deduct	*-2.66*	
33 01 30 41-0052	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	14.64	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,000, Deduct	*-2.20*	
		For >2,000 To 5,000, Deduct	*-2.93*	
		For >5,000, Deduct	*-3.66*	
33 01 30 41-0053	LF	>60" Diameter Pipe Line Auguring/Rod Out	15.61	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-2.34*	
		For >2,000 To 5,000, Deduct	*-3.12*	
		For >5,000, Deduct	*-3.90*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Sewer Catch Basin	81.69	
33 01 30 42-0004	EA	Clean Out Debris From Entrance To Inlet Structure	204.22	
33 01 30 42-0005	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	679.04	
		For >10 To 100, Deduct	*-101.86*	
		For >100 To 250, Deduct	*-152.78*	
		For >250, Deduct	*-203.71*	
33 01 30 42-0006	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	814.84	
		For >10 To 100, Deduct	*-122.23*	
		For >100 To 250, Deduct	*-183.34*	
		For >250, Deduct	*-244.45*	
33 01 30 42-0007	EA	Clean Out Blocked Catch Basin By Hand	407.43	
		For >10 To 100, Deduct	*-61.11*	
		For >100 To 250, Deduct	*-91.67*	
		For >250, Deduct	*-122.23*	
33 01 30 42-0008	EA	Up To 6" Diameter Pipe, Rod Out Blockage	16.33	
33 01 30 42-0009	EA	8" Diameter Pipe, Rod Out Blockage	17.97	
33 01 30 42-0010	EA	10" Diameter Pipe, Rod Out Blockage	20.42	
33 01 30 42-0011	EA	12" Diameter Pipe, Rod Out Blockage	23.69	
33 01 30 42-0012	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	27.77	
33 01 30 42-0013	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	32.68	
33 01 30 42-0014	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	38.39	
33 01 30 42-0015	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	44.11	
33 01 30 42-0016	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	51.47	
33 01 30 42-0017	EA	>60" Diameter Pipe, Rod Out Blockage	61.26	

33 01 30 42-0018 Cleaning Manholes And Drainage Structures *(33 01 30 42-0001)*

Note: Includes removal of debris. Excludes disposal.

33 01 30 42-0019	VLF	Waterblast Cleaning For 3' To 4' Diameter Manhole	88.30	
33 01 30 42-0020	VLF	Waterblast Cleaning For 5' To 6' Diameter Manhole	110.38	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0021	EA	Vacuum Out 1 To 2 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	1,172.16	
33 01 30 42-0022	EA	Vacuum Out 3 To 10 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	879.12	
33 01 30 42-0023	EA	Vacuum Out 11 To 25 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	586.08	
33 01 30 42-0024	EA	Vacuum Out 26 To 100 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	512.82	
33 01 30 42-0025	EA	Vacuum Out 101 To 250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	476.19	
33 01 30 42-0026	EA	Vacuum Out >250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	439.56	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	552.31	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	607.54	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	662.77	

33 01 30 51 Maintenance Of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	116.20	
		For Stainless Steel Nuts And Bolts, Add	*19.70*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	166.10	
		For Stainless Steel Nuts And Bolts, Add	*29.69*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	192.29	
		For Stainless Steel Nuts And Bolts, Add	*34.96*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	219.30	
		For Stainless Steel Nuts And Bolts, Add	*40.22*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	125.41	
		For Stainless Steel Nuts And Bolts, Add	*21.39*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	176.62	
		For Stainless Steel Nuts And Bolts, Add	*31.68*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	202.73	
		For Stainless Steel Nuts And Bolts, Add	*36.83*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	234.59	
		For Stainless Steel Nuts And Bolts, Add	*43.10*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	135.09	
		For Stainless Steel Nuts And Bolts, Add	*23.40*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	183.82	
		For Stainless Steel Nuts And Bolts, Add	*33.12*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	212.81	
		For Stainless Steel Nuts And Bolts, Add	*38.83*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	248.59	
		For Stainless Steel Nuts And Bolts, Add	*46.10*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	152.33	
		For Stainless Steel Nuts And Bolts, Add	*26.61*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	201.58	
		For Stainless Steel Nuts And Bolts, Add	*35.82*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	244.56	
		For Stainless Steel Nuts And Bolts, Add	*43.61*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	294.66	
		For Stainless Steel Nuts And Bolts, Add	*52.60*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	386.32	
		For Stainless Steel Nuts And Bolts, Add	*70.65*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	481.10	
		For Stainless Steel Nuts And Bolts, Add	*88.70*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	587.25	
		For Stainless Steel Nuts And Bolts, Add	*108.81*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	179.13	
		For Stainless Steel Nuts And Bolts, Add	*31.40*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.46	
		For Stainless Steel Nuts And Bolts, Add	*42.60*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	282.30	
		For Stainless Steel Nuts And Bolts, Add	*50.23*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	330.47	
		For Stainless Steel Nuts And Bolts, Add	*58.37*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	459.76	
		For Stainless Steel Nuts And Bolts, Add	*84.58*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	559.20	
		For Stainless Steel Nuts And Bolts, Add	*103.14*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	667.93	
		For Stainless Steel Nuts And Bolts, Add	*123.25*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	231.50	
		For Stainless Steel Nuts And Bolts, Add	*37.57*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	301.34	
		For Stainless Steel Nuts And Bolts, Add	*49.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	363.81	
		For Stainless Steel Nuts And Bolts, Add	*60.16*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	434.37	
		For Stainless Steel Nuts And Bolts, Add	*71.68*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	579.18	
		For Stainless Steel Nuts And Bolts, Add	*99.31*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	692.70	
		For Stainless Steel Nuts And Bolts, Add	*118.75*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	819.87	
		For Stainless Steel Nuts And Bolts, Add	*139.77*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	272.08	
		For Stainless Steel Nuts And Bolts, Add	*45.73*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	366.57	
		For Stainless Steel Nuts And Bolts, Add	*63.25*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	431.43	
		For Stainless Steel Nuts And Bolts, Add	*73.95*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	529.74	
		For Stainless Steel Nuts And Bolts, Add	*91.46*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	697.88	
		For Stainless Steel Nuts And Bolts, Add	*124.06*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	792.87	
		For Stainless Steel Nuts And Bolts, Add	*138.66*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,022.85	
		For Stainless Steel Nuts And Bolts, Add	*182.93*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	309.45	
		For Stainless Steel Nuts And Bolts, Add	*51.58*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	404.74	
		For Stainless Steel Nuts And Bolts, Add	*68.59*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	488.69	
		For Stainless Steel Nuts And Bolts, Add	*83.00*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	601.81	
		For Stainless Steel Nuts And Bolts, Add	*103.14*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	776.35	
		For Stainless Steel Nuts And Bolts, Add	*136.23*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	912.37	
		For Stainless Steel Nuts And Bolts, Add	*159.09*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,161.84	
		For Stainless Steel Nuts And Bolts, Add	*206.28*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	699.51	
		For Stainless Steel Nuts And Bolts, Add	*198.43*	
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	993.62	
		For Stainless Steel Nuts And Bolts, Add	*286.46*	
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,338.99	
		For Stainless Steel Nuts And Bolts, Add	*388.48*	
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,977.31	
		For Stainless Steel Nuts And Bolts, Add	*585.52*	
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	734.19	
		For Stainless Steel Nuts And Bolts, Add	*208.20*	
33 01 30 51-0056	EA	15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,040.08	
		For Stainless Steel Nuts And Bolts, Add	*299.74*	
33 01 30 51-0057	EA	15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,398.09	
		For Stainless Steel Nuts And Bolts, Add	*405.25*	
33 01 30 51-0058	EA	15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,072.67	
		For Stainless Steel Nuts And Bolts, Add	*613.46*	
33 01 30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	752.52	
		For Stainless Steel Nuts And Bolts, Add	*212.40*	
33 01 30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,064.20	
		For Stainless Steel Nuts And Bolts, Add	*305.34*	
33 01 30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,434.20	
		For Stainless Steel Nuts And Bolts, Add	*414.33*	
33 01 30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,124.48	
		For Stainless Steel Nuts And Bolts, Add	*626.73*	
33 01 30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	771.66	
		For Stainless Steel Nuts And Bolts, Add	*216.59*	
33 01 30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,091.65	
		For Stainless Steel Nuts And Bolts, Add	*311.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,468.72	
		For Stainless Steel Nuts And Bolts, Add	*422.01*	
33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,175.97	
		For Stainless Steel Nuts And Bolts, Add	*639.31*	
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	788.78	
		For Stainless Steel Nuts And Bolts, Add	*220.09*	
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,114.96	
		For Stainless Steel Nuts And Bolts, Add	*316.51*	
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,503.24	
		For Stainless Steel Nuts And Bolts, Add	*429.70*	
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,222.15	
		For Stainless Steel Nuts And Bolts, Add	*649.79*	
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	805.02	
		For Stainless Steel Nuts And Bolts, Add	*223.59*	
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,139.07	
		For Stainless Steel Nuts And Bolts, Add	*322.10*	
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,534.03	
		For Stainless Steel Nuts And Bolts, Add	*436.69*	
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,251.17	
		For Stainless Steel Nuts And Bolts, Add	*655.03*	
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	823.79	
		For Stainless Steel Nuts And Bolts, Add	*227.94*	
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,167.71	
		For Stainless Steel Nuts And Bolts, Add	*329.09*	
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,566.84	
		For Stainless Steel Nuts And Bolts, Add	*444.37*	
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,318.44	
		For Stainless Steel Nuts And Bolts, Add	*673.55*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	59.63
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	69.45
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	81.62
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	91.88
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	140.86

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	71.19
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	83.27
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	167.13
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	67.80
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	60.79
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	71.15
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	87.71

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	129.79
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	102.11
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	121.22
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	100.74

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	61.43
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	49.82
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	57.08
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	69.85
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	82.84
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	90.66

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	71.76	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	76.53	
33 01 30 51-0110		**Couplings And Fittings For Steel Pipe, Cast Body, Compression** *(33 01 30 51-0079)* Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Couplings For Steel Pipe, Cast Body (Compression)** *(33 01 30 51-0110)* Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	47.07	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	48.18	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	54.39	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	60.66	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	75.03	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	91.19	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	48.30	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	49.54	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	54.59	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	61.30	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	77.09	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	92.10	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	90.50	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	105.86	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	110.53	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	124.78	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	151.76	
33 01 30 51-0129		**Reducing Couplings For Steel Pipe (Compression)** *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	52.29	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	55.73	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	62.91	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	65.19	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	122.51	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	78.55	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	78.87	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	146.35	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	133.72	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	103.68	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	103.34	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	84.71	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	88.67	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	114.34	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	143.99	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	57.54	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	60.11	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	70.30	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	99.44	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	109.54	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	57.71	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	51.92	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	58.71	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	74.18	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	95.25	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	59.49	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	55.26	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	71.09	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	85.99	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	120.52	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Street Tee (Compression)	64.82	
33 01 30 51-0163	EA	1" Street Tee (Compression)	76.23	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	77.93	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	90.72	
33 01 30 51-0166	EA	2" Street Tee (Compression)	134.25	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	77.29	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	80.51	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	100.83	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	115.40	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	116.05	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	99.45	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	131.10	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	147.30	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	113.41	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	114.69	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	123.51	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	149.02	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	199.28	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	85.14	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	145.53	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	154.28	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	167.07	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	186.16	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	183.57	
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	57.39	
33 01 30 51-0188	EA	1" Male Adapter (Compression)	64.15	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	82.93	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	94.27	
33 01 30 51-0191	EA	2" Male Adapter (Compression)	106.83	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	82.51	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Line Caps (Compression)	30.68	
33 01 30 51-0195	EA	1" Line Caps (Compression)	35.73	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	40.85	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	48.27	
33 01 30 51-0198	EA	2" Line Caps (Compression)	59.49	
33 01 30 51-0199		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	38.59	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	49.00	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	58.04	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	71.55	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	88.31	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	105.57	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	101.28	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	136.99	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	139.59	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	142.19	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	163.84	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	168.25	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	173.78	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	206.54	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	208.28	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	214.62	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	226.16	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	230.87	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	236.89	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	264.55	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	271.52	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	277.24	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	315.10	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	347.99	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	357.64	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	427.36	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	486.76	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	566.75	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	620.90	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	669.86	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	805.92	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	850.98	
33 01 30 51-0232		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	39.34	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	48.90	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	57.99	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	71.21	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	98.23	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	96.86	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	97.55	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	142.19	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	144.79	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	147.39	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	170.92	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	166.34	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	168.75	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	215.66	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	216.94	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	275.91	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	228.95	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	235.72	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	238.33	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	279.68	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	282.25	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	286.39	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	321.34	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	354.49	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	364.14	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	433.72	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	493.26	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	576.50	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	633.90	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	682.86	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	818.92	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	863.98	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	43.96	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	53.60	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	63.51	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	78.38	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	98.23	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	109.84	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	113.70	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	142.19	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	144.79	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	147.39	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	170.92	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	180.19	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	183.72	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	215.66	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	216.94	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	231.82	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	228.95	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	235.72	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	238.33	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	279.68	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	282.25	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	286.39	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	321.34	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	354.49	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	364.14	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	433.72	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	493.26	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	566.75	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	633.90	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	682.86	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	818.92	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	863.98	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	69.91	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	78.42	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	87.47	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	125.72	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	132.84	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	136.46	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	167.25	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	166.43	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	193.19	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	196.72	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	257.30	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	261.98	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	279.82	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	282.93	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	301.98	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	348.50	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	367.47	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	386.07	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	386.01	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	474.86	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	489.15	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	558.55	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	677.13	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	678.10	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	749.81	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	810.47	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	876.98	
33 01 30 51-0326		Temporary Bypass And Service Lines *(33 01 30 51-0001)*		
		Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 51-0327		Temporary Water Service Lines *(33 01 30 51-0326)*		
		Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0328	LF	1/2" Temporary Service Hose With Fittings	2.31	
		Note: Includes removal after use.		
33 01 30 51-0329	LF	3/4" Temporary Service Hose With Fittings	2.93	
		Note: Includes removal after use.		
33 01 30 51-0330	LF	1" Temporary Service Hose With Fittings	3.40	
		Note: Includes removal after use.		
33 01 30 51-0331	LF	1-1/2" Temporary Service Hose With Fittings	4.06	
		Note: Includes removal after use.		
33 01 30 51-0332	LF	2" Temporary Service Hose With Fittings	4.98	
		Note: Includes removal after use.		
33 01 30 51-0333	EA	Temporary Service Valve Assembly At Fire Hydrant	255.62	
		Note: Includes removal after use.		
33 01 30 51-0334		Temporary Bypass Water Main Lines *(33 01 30 51-0326)*		
		Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0335	LF	2" Temporary Bypass Pipe With Fittings	5.15	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.18*	
33 01 30 51-0336	LF	4" Temporary Bypass Pipe With Fittings	6.66	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.52*	
33 01 30 51-0337	LF	6" Temporary Bypass Pipe With Fittings	8.27	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.78*	
33 01 30 51-0338	LF	8" Temporary Bypass Pipe With Fittings	10.52	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-2.13*	
33 01 30 51-0339		Piping Protection For Temporary Water Line *(33 01 30 51-0326)*		
33 01 30 51-0340	LF	Cold Mix For Temporary Pipe	2.31	
		Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 51-0341		Drill Meter Cover For Temporary Water Line *(33 01 30 51-0326)*		
33 01 30 51-0342	EA	Drill Meter Cover For Temporary Bypass Pipe	13.01	
33 01 30 51-0343		Grind Offset Joint *(33 01 30 51-0001)*		
33 01 30 51-0344	EA	6" To 10", Grind Drop Offset Joint	331.38	
33 01 30 51-0345	EA	>10" To 15", Grind Drop Offset Joint	441.85	
33 01 30 51-0346	EA	>15" To 24", Grind Drop Offset Joint	552.31	
33 01 30 51-0347	EA	>24" To 30", Grind Drop Offset Joint	662.77	
33 01 30 51-0348		Temporary Pipe Plugging *(33 01 30 51-0001)*		
33 01 30 51-0349		Gravity Bladder Pipe Plugging *(33 01 30 51-0348)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0350	EA	3/4" Bladder Type Pipe Plug	60.79	
33 01 30 51-0351	EA	1" Bladder Type Pipe Plug	65.14	
33 01 30 51-0352	EA	1-1/4" Bladder Type Pipe Plug	70.80	
33 01 30 51-0353	EA	1-1/2" Bladder Type Pipe Plug	75.94	
33 01 30 51-0354	EA	2" Bladder Type Pipe Plug	80.81	
33 01 30 51-0355	EA	2-1/2" Bladder Type Pipe Plug	86.45	
33 01 30 51-0356	EA	3" Bladder Type Pipe Plug	94.06	
33 01 30 51-0357	EA	4" Bladder Type Pipe Plug	103.67	
33 01 30 51-0358	EA	5" Bladder Type Pipe Plug	112.21	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0359	EA	6" Bladder Type Pipe Plug	124.98	
33 01 30 51-0360	EA	8" Bladder Type Pipe Plug	138.90	
33 01 30 51-0361	EA	10" Bladder Type Pipe Plug	160.86	
33 01 30 51-0362	EA	12" Bladder Type Pipe Plug	191.95	
33 01 30 51-0363	EA	14" Bladder Type Pipe Plug	227.76	
33 01 30 51-0364	EA	16" Bladder Type Pipe Plug	274.08	
33 01 30 51-0365	EA	18" Bladder Type Pipe Plug	329.76	
33 01 30 51-0366	EA	20" Bladder Type Pipe Plug	395.35	
33 01 30 51-0367	EA	24" Bladder Type Pipe Plug	457.63	
33 01 30 51-0368		Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0348)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0369	EA	2" Hydra Stop, Line Stopper	1,697.34	
33 01 30 51-0370	EA	2-1/2" Hydra Stop, Line Stopper	2,129.01	
33 01 30 51-0371	EA	3" Hydra Stop, Line Stopper	2,604.73	
33 01 30 51-0372	EA	4" Hydra Stop, Line Stopper	3,174.50	
33 01 30 51-0373	EA	5" Hydra Stop, Line Stopper	3,619.49	
33 01 30 51-0374	EA	6" Hydra Stop, Line Stopper	4,362.70	
33 01 30 51-0375	EA	8" Hydra Stop, Line Stopper	4,807.71	
33 01 30 51-0376	EA	10" Hydra Stop, Line Stopper	5,550.89	
33 01 30 51-0377	EA	12" Hydra Stop, Line Stopper	6,294.10	
33 01 30 51-0378	EA	14" Hydra Stop, Line Stopper	7,074.00	
33 01 30 51-0379	EA	16" Hydra Stop, Line Stopper	8,074.13	
33 01 30 51-0380	EA	18" Hydra Stop, Line Stopper	9,184.31	
33 01 30 51-0381	EA	20" Hydra Stop, Line Stopper	10,808.21	
33 01 30 51-0382		Aluminum Expansion Plugs *(33 01 30 51-0348)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0383	EA	3" Pipe Plug	46.74	
33 01 30 51-0384	EA	4" Pipe Plug	65.94	
33 01 30 51-0385	EA	5" Pipe Plug	74.16	
33 01 30 51-0386	EA	6" Pipe Plug	110.88	
33 01 30 51-0387	EA	8" Pipe Plug	114.14	
33 01 30 51-0388	EA	10" Pipe Plug	141.92	
33 01 30 51-0389	EA	12" Pipe Plug	190.40	
33 01 30 51-0390	EA	14" Pipe Plug	304.48	
33 01 30 51-0391	EA	15" Pipe Plug	329.48	
33 01 30 51-0392		Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)*		
33 01 30 51-0393	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	121.49	
33 01 30 51-0394	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	121.67	
33 01 30 51-0395	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	122.11	
33 01 30 51-0396	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	122.55	
33 01 30 51-0397	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	122.77	
33 01 30 51-0398	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	123.43	
33 01 30 51-0399	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	124.09	
33 01 30 51-0400	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	124.97	
33 01 30 51-0401	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	223.38	
33 01 30 51-0402	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	226.24	
33 01 30 51-0403	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	228.23	
33 01 30 51-0404	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	249.18	
33 01 30 51-0405	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	251.83	
33 01 30 51-0406	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	253.60	
33 01 30 51-0407	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	256.24	
33 01 30 51-0408	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	258.89	
33 01 30 51-0409	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	262.42	
33 01 30 51-0410	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	268.59	
33 01 30 61		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 61-0001		Joint Air Test *(33 01 30 61)*		
33 01 30 61-0002	EA	4" To 8", Joint Air Test	77.73	
33 01 30 61-0003	EA	10" To 15", Joint Air Test	90.68	
33 01 30 61-0004	EA	>15" To 21", Joint Air Test	103.64	
33 01 30 61-0005	EA	>21" To 24", Joint Air Test	129.55	
33 01 30 61-0006	EA	>24" To 27", Joint Air Test	155.45	
33 01 30 61-0007	EA	>27" To 36", Joint Air Test	181.37	
33 01 30 61-0008		Joint Seal And Joint Air Retest *(33 01 30 61)*		
		Note: Includes grout.		
33 01 30 61-0009	EA	4" Joint Seal And Joint Air Retest	227.06	
		Note: Includes up to 1 gallon of grout.		
33 01 30 61-0010	EA	6" Joint Seal And Joint Air Retest	252.98	
		Note: Includes 1 gallon of grout.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 61-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	298.67	
33 01 30 61-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	334.47	
33 01 30 61-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	370.29	
33 01 30 61-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	436.95	
33 01 30 61-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	503.60	
33 01 30 61-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	570.26	
33 01 30 61-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	662.84	
33 01 30 61-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	755.41	
33 01 30 61-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	873.88	
33 01 30 61-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,007.21	
33 01 30 61-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	123.43	

33 01 30 79 Relining Pipelines *(33 01 30)*

33 01 30 79-0001 Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines	4,023.17	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,609.27	

33 01 30 79-0005 Lining Pipe With Resin Impregnated Cured In-Place Pipe *(33 01 30 79-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.

33 01 30 79-0006 Relining Underground Pipelines Set-Up And Reinsertion For CIPP *(33 01 30 79-0005)*

33 01 30 79-0007	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines CIPP	4,023.17	
33 01 30 79-0008	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines CIPP	1,609.27	
33 01 30 79-0009	EA	Mixing Truck And Refrigeration For 12" To 24" CIPP Note: Need to mix wet material in bag prior to installation.	4,023.17	
33 01 30 79-0010	EA	Mixing Truck And Refrigeration For 27" To 48" CIPP Note: Need to mix wet material in bag prior to installation.	8,046.36	
33 01 30 79-0011	EA	Mixing Truck And Refrigeration For 54" To 72" CIPP Note: Need to mix wet material in bag prior to installation.	12,069.53	

33 01 30 79-0012 6mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*

33 01 30 79-0013	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	52.73	

33 01 30 79-0014 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*

33 01 30 79-0015	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	56.31	
33 01 30 79-0016	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	66.85	
33 01 30 79-0017	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	78.71	

33 01 30 79-0018 9mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*

33 01 30 79-0019	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	59.74	
33 01 30 79-0020	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	70.56	
33 01 30 79-0021	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	83.11	
33 01 30 79-0022	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	100.69	
33 01 30 79-0023	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	109.51	

33 01 30 79-0024 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*

33 01 30 79-0025	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	74.76	
33 01 30 79-0026	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	88.03	
33 01 30 79-0027	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	103.84	
33 01 30 79-0028	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	115.61	
33 01 30 79-0029	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.00	
33 01 30 79-0030	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	144.44	
33 01 30 79-0031	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	168.40	

33 01 30 79-0032 12mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*

33 01 30 79-0033	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	81.05	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0034	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	95.58	
33 01 30 79-0035	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	108.49	
33 01 30 79-0036	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	123.04	
33 01 30 79-0037	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	137.58	
33 01 30 79-0038	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	153.74	
33 01 30 79-0039	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	178.05	
33 01 30 79-0040	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	208.55	
33 01 30 79-0041	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	242.41	
33 01 30 79-0042		**13.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0043	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	85.87	
33 01 30 79-0044	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	100.31	
33 01 30 79-0045	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	115.09	
33 01 30 79-0046	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.95	
33 01 30 79-0047	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.92	
33 01 30 79-0048	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	162.64	
33 01 30 79-0049	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	189.07	
33 01 30 79-0050	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	216.14	
33 01 30 79-0051	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	254.43	
33 01 30 79-0052		**15mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0053	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	89.88	
33 01 30 79-0054	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	106.33	
33 01 30 79-0055	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	121.32	
33 01 30 79-0056	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	137.54	
33 01 30 79-0057	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	153.94	
33 01 30 79-0058	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	167.53	
33 01 30 79-0059	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	199.05	
33 01 30 79-0060	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.57	
33 01 30 79-0061	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	268.50	
33 01 30 79-0062		**16.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0063	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	111.64	
33 01 30 79-0064	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	127.53	
33 01 30 79-0065	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	144.89	
33 01 30 79-0066	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	161.96	
33 01 30 79-0067	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	192.49	
33 01 30 79-0068	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	207.49	
33 01 30 79-0069	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.95	
33 01 30 79-0070	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	282.58	
33 01 30 79-0071	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	327.15	
33 01 30 79-0072		**18mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0073	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	118.74	
33 01 30 79-0074	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	135.57	
33 01 30 79-0075	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	153.60	
33 01 30 79-0076	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	172.37	
33 01 30 79-0077	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	192.87	
33 01 30 79-0078	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	224.39	
33 01 30 79-0079	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	254.61	
33 01 30 79-0080	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.87	
33 01 30 79-0081	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	348.00	
33 01 30 79-0082	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	406.39	
33 01 30 79-0083	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	483.15	
33 01 30 79-0084	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	574.54	
33 01 30 79-0085		**19.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0086	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	123.97	
33 01 30 79-0087	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	140.48	
33 01 30 79-0088	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	161.18	
33 01 30 79-0089	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	180.34	
33 01 30 79-0090	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	201.25	
33 01 30 79-0091	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	235.39	
33 01 30 79-0092	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	269.06	
33 01 30 79-0093	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	319.75	
33 01 30 79-0094	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	363.94	
33 01 30 79-0095	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	425.51	
33 01 30 79-0096	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	504.18	
33 01 30 79-0097	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	597.48	
33 01 30 79-0098		**21mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0099	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	128.41	
33 01 30 79-0100	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.12	
33 01 30 79-0101	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	170.60	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0102	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	190.94	
33 01 30 79-0103	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	212.99	
33 01 30 79-0104	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	249.37	
33 01 30 79-0105	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	285.01	
33 01 30 79-0106	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	333.60	
33 01 30 79-0107	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	385.22	
33 01 30 79-0108	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	447.17	
33 01 30 79-0109	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	529.82	
33 01 30 79-0110	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	627.81	
33 01 30 79-0111		**22.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0112	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	131.74	
33 01 30 79-0113	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	150.92	
33 01 30 79-0114	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	177.38	
33 01 30 79-0115	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	198.83	
33 01 30 79-0116	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	221.95	
33 01 30 79-0117	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	259.97	
33 01 30 79-0118	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	297.32	
33 01 30 79-0119	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	347.48	
33 01 30 79-0120	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	401.09	
33 01 30 79-0121	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	464.65	
33 01 30 79-0122	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	549.05	
33 01 30 79-0123	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	648.79	
33 01 30 79-0124		**24mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0125	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	138.76	
33 01 30 79-0126	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	158.73	
33 01 30 79-0127	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	186.88	
33 01 30 79-0128	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	209.47	
33 01 30 79-0129	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	232.96	
33 01 30 79-0130	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	274.22	
33 01 30 79-0131	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.32	
33 01 30 79-0132	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	366.38	
33 01 30 79-0133	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	428.24	
33 01 30 79-0134	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	492.78	
33 01 30 79-0135	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	581.89	
33 01 30 79-0136	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	687.12	
33 01 30 79-0137		**25.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0138	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	164.39	
33 01 30 79-0139	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	193.90	
33 01 30 79-0140	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	211.78	
33 01 30 79-0141	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	242.53	
33 01 30 79-0142	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	284.91	
33 01 30 79-0143	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	325.65	
33 01 30 79-0144	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	380.26	
33 01 30 79-0145	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	436.69	
33 01 30 79-0146	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	506.15	
33 01 30 79-0147	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	596.59	
33 01 30 79-0148	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	703.15	
33 01 30 79-0149		**27mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0150	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	172.47	
33 01 30 79-0151	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	203.33	
33 01 30 79-0152	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	220.14	
33 01 30 79-0153	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	254.47	
33 01 30 79-0154	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	297.43	
33 01 30 79-0155	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	353.23	
33 01 30 79-0156	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	399.11	
33 01 30 79-0157	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	459.94	
33 01 30 79-0158	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	532.15	
33 01 30 79-0159	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	627.18	
33 01 30 79-0160	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	739.14	
33 01 30 79-0161		**28.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0162	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.14	
33 01 30 79-0163	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.68	
33 01 30 79-0164	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	226.11	
33 01 30 79-0165	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	309.82	
33 01 30 79-0166	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	358.66	
33 01 30 79-0167	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	412.86	
33 01 30 79-0168	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	475.65	
33 01 30 79-0169	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	549.46	
33 01 30 79-0170	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	646.23	
33 01 30 79-0171	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	759.92	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0172		**30mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0173	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	215.61	
33 01 30 79-0174	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	237.92	
33 01 30 79-0175	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	275.18	
33 01 30 79-0176	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	324.09	
33 01 30 79-0177	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	370.36	
33 01 30 79-0178	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	431.85	
33 01 30 79-0179	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	497.53	
33 01 30 79-0180	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	574.84	
33 01 30 79-0181	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	676.24	
33 01 30 79-0182	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	795.40	
33 01 30 79-0183		**31.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0184	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	218.29	
33 01 30 79-0185	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	245.22	
33 01 30 79-0186	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.64	
33 01 30 79-0187	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	333.32	
33 01 30 79-0188	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	382.46	
33 01 30 79-0189	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	445.77	
33 01 30 79-0190	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	513.20	
33 01 30 79-0191	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.25	
33 01 30 79-0192	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	695.38	
33 01 30 79-0193	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	816.29	
33 01 30 79-0194		**33mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0195	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.00	
33 01 30 79-0196	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	255.70	
33 01 30 79-0197	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	285.37	
33 01 30 79-0198	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	349.20	
33 01 30 79-0199	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	399.14	
33 01 30 79-0200	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	465.03	
33 01 30 79-0201	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	535.27	
33 01 30 79-0202	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	617.98	
33 01 30 79-0203	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	725.90	
33 01 30 79-0204	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	852.45	
33 01 30 79-0205		**34.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0206	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	262.95	
33 01 30 79-0207	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	293.45	
33 01 30 79-0208	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	352.89	
33 01 30 79-0209	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	410.95	
33 01 30 79-0210	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	476.85	
33 01 30 79-0211	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	550.82	
33 01 30 79-0212	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	634.01	
33 01 30 79-0213	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	743.52	
33 01 30 79-0214	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	871.67	
33 01 30 79-0215		**36mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0216	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.51	
33 01 30 79-0217	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	305.26	
33 01 30 79-0218	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	360.45	
33 01 30 79-0219	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	427.77	
33 01 30 79-0220	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.02	
33 01 30 79-0221	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	573.15	
33 01 30 79-0222	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	661.14	
33 01 30 79-0223	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	775.65	
33 01 30 79-0224	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	909.77	
33 01 30 79-0225		**37.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0226	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.48	
33 01 30 79-0227	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	370.24	
33 01 30 79-0228	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	439.49	
33 01 30 79-0229	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	511.80	
33 01 30 79-0230	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	586.55	
33 01 30 79-0231	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	677.21	
33 01 30 79-0232	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	793.32	
33 01 30 79-0233	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	929.04	
33 01 30 79-0234		**39mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0235	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	384.62	
33 01 30 79-0236	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	456.56	
33 01 30 79-0237	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	531.40	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0238	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	611.30	
33 01 30 79-0239	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	704.77	
33 01 30 79-0240	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	826.07	
33 01 30 79-0241	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	967.95	
33 01 30 79-0242		40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0243	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	457.69	
33 01 30 79-0244	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	544.83	
33 01 30 79-0245	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	626.71	
33 01 30 79-0246	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	721.72	
33 01 30 79-0247	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	844.73	
33 01 30 79-0248	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	988.30	
33 01 30 79-0249		42mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0250	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	564.65	
33 01 30 79-0251	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	649.60	
33 01 30 79-0252	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	748.48	
33 01 30 79-0253	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	876.70	
33 01 30 79-0254	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,026.51	
33 01 30 79-0255		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0256	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	29.41	
		For DR 26 Pipe Liner, Add	*5.20*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-2.59*	
33 01 30 79-0257	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.52	
		For DR 26 Pipe Liner, Add	*7.06*	
		For DR 35 Pipe Liner, Deduct	*-3.53*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000, Deduct	*-2.78*	
33 01 30 79-0258	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.81	
		For DR 26 Pipe Liner, Add	*7.19*	
		For DR 35 Pipe Liner, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.51*	
		For >2,000, Deduct	*-3.02*	
33 01 30 79-0259	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	54.12	
		For DR 26 Pipe Liner, Add	*10.79*	
		For DR 35 Pipe Liner, Deduct	*-5.39*	
		For DR 41 Pipe Liner, Deduct	*-10.79*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.65*	
		For >2,000, Deduct	*-3.29*	
33 01 30 79-0260	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	75.21	
		For DR 26 Pipe Liner, Add	*15.79*	
		For DR 35 Pipe Liner, Deduct	*-7.89*	
		For DR 41 Pipe Liner, Deduct	*-15.79*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.81*	
		For >2,000, Deduct	*-3.62*	
33 01 30 79-0261	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	102.63	
		For DR 35 Pipe Liner, Deduct	*-11.11*	
		For DR 41 Pipe Liner, Deduct	*-22.23*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-2.06*	
		For >2,000, Deduct	*-4.12*	
33 01 30 79-0262	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	144.39	
		For DR 41 Pipe Liner, Deduct	*-12.89*	
		For DR 50 Pipe Liner, Deduct	*-25.78*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,000, Deduct	*-2.32*	
		For >2,000, Deduct	*-4.64*	
33 01 30 79-0263	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	163.20	
		For DR 50 Pipe Liner, Deduct	*-21.97*	
		For DR 55 Pipe Liner, Deduct	*-36.61*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.51*	
		For >2,000, Deduct	*-5.03*	
33 01 30 79-0264	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	198.72	
		For DR 60 Pipe Liner, Deduct	*-27.06*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.74*	
		For >2,000, Deduct	*-5.49*	
33 01 30 79-0265		Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0266	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	31.37	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-2.59*	
		For DR 26 Pipe Liner, Add	*5.69*	
33 01 30 79-0267	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	37.52	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000, Deduct	*-2.78*	
		For DR 26 Pipe Liner, Add	*7.06*	
		For DR 35 Pipe Liner, Deduct	*-3.53*	
33 01 30 79-0268	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	41.43	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.51*	
		For >2,000, Deduct	*-3.02*	
		For DR 26 Pipe Liner, Add	*7.85*	
		For DR 35 Pipe Liner, Deduct	*-3.92*	
33 01 30 79-0269	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	58.04	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.65*	
		For >2,000, Deduct	*-3.29*	
		For DR 26 Pipe Liner, Add	*11.77*	
		For DR 35 Pipe Liner, Deduct	*-5.88*	
		For DR 41 Pipe Liner, Deduct	*-11.77*	
33 01 30 79-0270	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	81.09	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.81*	
		For >2,000, Deduct	*-3.62*	
		For DR 26 Pipe Liner, Add	*17.26*	
		For DR 35 Pipe Liner, Deduct	*-8.63*	
		For DR 41 Pipe Liner, Deduct	*-17.26*	
33 01 30 79-0271	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	111.00	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-2.06*	
		For >2,000, Deduct	*-4.12*	
		For DR 35 Pipe Liner, Deduct	*-12.16*	
		For DR 41 Pipe Liner, Deduct	*-24.32*	
33 01 30 79-0272	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	156.68	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,000, Deduct	*-2.32*	
		For >2,000, Deduct	*-4.64*	
		For DR 41 Pipe Liner, Deduct	*-14.12*	
		For DR 50 Pipe Liner, Deduct	*-28.24*	
33 01 30 79-0273	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	176.79	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.51*	
		For >2,000, Deduct	*-5.03*	
		For DR 50 Pipe Liner, Deduct	*-24.00*	
		For DR 55 Pipe Liner, Deduct	*-40.01*	
33 01 30 79-0274	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	215.98	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.74*	
		For >2,000, Deduct	*-5.49*	
		For DR 60 Pipe Liner, Deduct	*-29.65*	

33 01 30 79-0275 Lining Pipe With Rib Loc *(33 01 30 79-0001)*

33 01 30 79-0276	LF	Lining 6" Pipe With Rib Loc	29.34	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-1.50*	
		For >2,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-3.40*	
33 01 30 79-0277	LF	Lining 8" Pipe With Rib Loc	32.58	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000 To 2,000, Deduct	*-1.65*	
		For >2,000 To 5,000, Deduct	*-2.56*	
		For >5,000, Deduct	*-3.76*	
33 01 30 79-0278	LF	Lining 10" Pipe With Rib Loc	44.63	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-3.34*	
		For >5,000, Deduct	*-5.01*	
33 01 30 79-0279	LF	Lining 12" Pipe With Rib Loc	56.49	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.68*	
		For >2,000 To 5,000, Deduct	*-4.11*	
		For >5,000, Deduct	*-6.25*	
33 01 30 79-0280	LF	Lining 15" Pipe With Rib Loc	74.81	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000 To 2,000, Deduct	*-3.47*	
		For >2,000 To 5,000, Deduct	*-5.31*	
		For >5,000, Deduct	*-8.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0281	LF	Lining 18" Pipe With Rib Loc	96.12	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000 To 2,000, Deduct	*-4.39*	
		For >2,000 To 5,000, Deduct	*-6.70*	
		For >5,000, Deduct	*-10.39*	
33 01 30 79-0282	LF	Lining 21" Pipe With Rib Loc	120.25	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000 To 2,000, Deduct	*-5.40*	
		For >2,000 To 5,000, Deduct	*-8.22*	
		For >5,000, Deduct	*-12.86*	
33 01 30 79-0283	LF	Lining 24" Pipe With Rib Loc	148.40	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000 To 2,000, Deduct	*-6.58*	
		For >2,000 To 5,000, Deduct	*-10.00*	
		For >5,000, Deduct	*-15.75*	
33 01 30 79-0284	LF	Lining 27" Pipe With Rib Loc	177.47	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000 To 2,000, Deduct	*-7.80*	
		For >2,000 To 5,000, Deduct	*-11.86*	
		For >5,000, Deduct	*-18.75*	
33 01 30 79-0285	LF	Lining 30" Pipe With Rib Loc	210.29	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000 To 2,000, Deduct	*-9.19*	
		For >2,000 To 5,000, Deduct	*-13.96*	
		For >5,000, Deduct	*-22.15*	
33 01 30 79-0286	LF	Lining 36" Pipe With Rib Loc	267.58	
		For >500 To 1,000, Deduct	*-5.85*	
		For >1,000 To 2,000, Deduct	*-11.58*	
		For >2,000 To 5,000, Deduct	*-17.56*	
		For >5,000, Deduct	*-28.02*	
33 01 30 79-0287	LF	Lining 42" Pipe With Rib Loc	332.81	
		For >500 To 1,000, Deduct	*-7.23*	
		For >1,000 To 2,000, Deduct	*-14.32*	
		For >2,000 To 5,000, Deduct	*-21.69*	
		For >5,000, Deduct	*-34.72*	
33 01 30 79-0288	LF	Lining 48" Pipe With Rib Loc	407.09	
		For >500 To 1,000, Deduct	*-8.81*	
		For >1,000 To 2,000, Deduct	*-17.46*	
		For >2,000 To 5,000, Deduct	*-26.44*	
		For >5,000, Deduct	*-42.39*	
33 01 30 79-0289	LF	Lining 54" Pipe With Rib Loc	481.51	
		For >500 To 1,000, Deduct	*-10.44*	
		For >1,000 To 2,000, Deduct	*-20.67*	
		For >2,000 To 5,000, Deduct	*-31.31*	
		For >5,000, Deduct	*-50.16*	
33 01 30 79-0290	LF	Lining 60" Pipe With Rib Loc	569.69	
		For >500 To 1,000, Deduct	*-12.49*	
		For >1,000 To 2,000, Deduct	*-24.71*	
		For >2,000 To 5,000, Deduct	*-37.47*	
		For >5,000, Deduct	*-59.71*	
33 01 30 79-0291	LF	Lining 66" Pipe With Rib Loc	680.83	
		For >500 To 1,000, Deduct	*-15.34*	
		For >1,000 To 2,000, Deduct	*-30.25*	
		For >2,000 To 5,000, Deduct	*-46.02*	
		For >5,000, Deduct	*-72.39*	
33 01 30 79-0292	LF	Lining 72" Pipe With Rib Loc	831.97	
		For >500 To 1,000, Deduct	*-19.66*	
		For >1,000 To 2,000, Deduct	*-38.56*	
		For >2,000 To 5,000, Deduct	*-58.97*	
		For >5,000, Deduct	*-90.74*	

33 01 30 79-0293 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 79-0001)*

33 01 30 79-0294 Lateral Reinstatement/Reconnection *(33 01 30 79-0293)*

33 01 30 79-0295	EA	Cut Liner For Laterals, 4" (Robotic)	408.71
33 01 30 79-0296	EA	Cut Liner For Laterals, 6" (Robotic)	441.85
33 01 30 79-0297	EA	Cut Liner For Laterals, 8" (Robotic)	497.08

33 01 30 79-0298 Grout Lateral Service *(33 01 30 79-0293)*

33 01 30 79-0299 Grout Lateral Service - Bladder *(33 01 30 79-0298)*

33 01 30 79-0300	EA	Grout 4" Lateral Service - Bladder	434.34
33 01 30 79-0301	EA	Grout 6" Lateral Service - Bladder	496.05
33 01 30 79-0302	EA	Grout 8" Lateral Service - Bladder	557.77

33 01 30 79-0303 Grout Lateral Service - Robotic Trowel Application *(33 01 30 79-0298)*

33 01 30 79-0304	EA	Grout 4" To 8" Lateral Service - Robotic Trowel Application	440.46

33 01 30 79-0305 Lateral T-Liner *(33 01 30 79-0293)*

Note: As manufactured by LMK.

33 01 30 79-0306	EA	4" Lateral T-Liner	548.31

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0307	EA	6" Lateral T-Liner	609.33	
33 01 30 79-0308	EA	8" Lateral T-Liner	703.86	
33 01 30 79-0309		Lining Lateral Pipe *(33 01 30 79-0293)*		
33 01 30 79-0310		Lining Lateral Pipe *(33 01 30 79-0309)*		
33 01 30 79-0311	LF	6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	34.80	
		For 7.5mm, Add	*4.39*	
		For 9 mm, Add	*8.88*	
33 01 30 79-0312		Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 79-0001)*		
		Note: Two part structural polyurethane.		
33 01 30 79-0313		Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 79-0312)*		
33 01 30 79-0314	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,413.80	
33 01 30 79-0315		Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 79-0312)*		
		Note: Two part structural polyurethane.		
33 01 30 79-0316	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	36.81	
		For Up To 75, Add	*8.12*	
		For >75 To 150, Add	*3.68*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-2.01*	
		For >2,000 To 5,000, Deduct	*-3.12*	
		For >5,000, Deduct	*-4.44*	
33 01 30 79-0317	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	42.94	
		For Up To 75, Add	*9.48*	
		For >75 To 150, Add	*4.29*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-2.34*	
		For >2,000 To 5,000, Deduct	*-3.64*	
		For >5,000, Deduct	*-5.18*	
33 01 30 79-0318	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	49.09	
		For Up To 75, Add	*10.84*	
		For >75 To 150, Add	*4.91*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,000, Deduct	*-2.68*	
		For >2,000 To 5,000, Deduct	*-4.17*	
		For >5,000, Deduct	*-5.93*	
33 01 30 79-0319	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	55.22	
		For Up To 75, Add	*12.19*	
		For >75 To 150, Add	*5.52*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.01*	
		For >2,000 To 5,000, Deduct	*-4.69*	
		For >5,000, Deduct	*-6.67*	
33 01 30 79-0320	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.36	
		For Up To 75, Add	*13.54*	
		For >75 To 150, Add	*6.14*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000 To 2,000, Deduct	*-3.34*	
		For >2,000 To 5,000, Deduct	*-5.21*	
		For >5,000, Deduct	*-7.41*	
33 01 30 79-0321	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	67.49	
		For Up To 75, Add	*14.90*	
		For >75 To 150, Add	*6.75*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.68*	
		For >2,000 To 5,000, Deduct	*-5.73*	
		For >5,000, Deduct	*-8.15*	
33 01 30 79-0322	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	73.63	
		For Up To 75, Add	*16.25*	
		For >75 To 150, Add	*7.36*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.01*	
		For >2,000 To 5,000, Deduct	*-6.25*	
		For >5,000, Deduct	*-8.89*	
33 01 30 79-0323	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	79.76	
		For Up To 75, Add	*17.60*	
		For >75 To 150, Add	*7.98*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000 To 2,000, Deduct	*-4.35*	
		For >2,000 To 5,000, Deduct	*-6.77*	
		For >5,000, Deduct	*-9.63*	
33 01 30 79-0324	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	85.90	
		For Up To 75, Add	*18.96*	
		For >75 To 150, Add	*8.59*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000 To 2,000, Deduct	*-4.68*	
		For >2,000 To 5,000, Deduct	*-7.29*	
		For >5,000, Deduct	*-10.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0325	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	92.03	
		For Up To 75, Add	*20.31*	
		For >75 To 150, Add	*9.20*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,000, Deduct	*-5.02*	
		For >2,000 To 5,000, Deduct	*-7.81*	
		For >5,000, Deduct	*-11.11*	
33 01 30 79-0326	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	98.17	
		For Up To 75, Add	*21.67*	
		For >75 To 150, Add	*9.82*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000 To 2,000, Deduct	*-5.35*	
		For >2,000 To 5,000, Deduct	*-8.33*	
		For >5,000, Deduct	*-11.85*	
33 01 30 79-0327	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	104.31	
		For Up To 75, Add	*23.02*	
		For >75 To 150, Add	*10.43*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000 To 2,000, Deduct	*-5.69*	
		For >2,000 To 5,000, Deduct	*-8.85*	
		For >5,000, Deduct	*-12.59*	
33 01 30 79-0328	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	110.43	
		For Up To 75, Add	*24.37*	
		For >75 To 150, Add	*11.04*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000 To 2,000, Deduct	*-6.02*	
		For >2,000 To 5,000, Deduct	*-9.37*	
		For >5,000, Deduct	*-13.33*	
33 01 30 79-0329	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	116.58	
		For Up To 75, Add	*25.73*	
		For >75 To 150, Add	*11.66*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000 To 2,000, Deduct	*-6.35*	
		For >2,000 To 5,000, Deduct	*-9.89*	
		For >5,000, Deduct	*-14.07*	
33 01 30 79-0330	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	122.71	
		For Up To 75, Add	*27.08*	
		For >75 To 150, Add	*12.27*	
		For >500 To 1,000, Deduct	*-3.47*	
		For >1,000 To 2,000, Deduct	*-6.69*	
		For >2,000 To 5,000, Deduct	*-10.41*	
		For >5,000, Deduct	*-14.81*	
33 01 30 79-0331	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	3.91	

33 01 30 79-0332 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0333	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	48.41	
		For Up To 75, Add	*10.48*	
		For >75 To 150, Add	*4.84*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000 To 2,000, Deduct	*-2.50*	
		For >2,000 To 5,000, Deduct	*-3.87*	
		For >5,000, Deduct	*-5.64*	
33 01 30 79-0334	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	56.49	
		For Up To 75, Add	*12.23*	
		For >75 To 150, Add	*5.65*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000 To 2,000, Deduct	*-2.92*	
		For >2,000 To 5,000, Deduct	*-4.51*	
		For >5,000, Deduct	*-6.59*	
33 01 30 79-0335	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	64.55	
		For Up To 75, Add	*13.98*	
		For >75 To 150, Add	*6.46*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-3.33*	
		For >2,000 To 5,000, Deduct	*-5.16*	
		For >5,000, Deduct	*-7.53*	
33 01 30 79-0336	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	72.62	
		For Up To 75, Add	*15.73*	
		For >75 To 150, Add	*7.26*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000 To 2,000, Deduct	*-3.75*	
		For >2,000 To 5,000, Deduct	*-5.80*	
		For >5,000, Deduct	*-8.47*	
33 01 30 79-0337	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	80.70	
		For Up To 75, Add	*17.48*	
		For >75 To 150, Add	*8.07*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 2,000, Deduct	*-4.16*	
		For >2,000 To 5,000, Deduct	*-6.45*	
		For >5,000, Deduct	*-9.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0338	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	88.76	
		For Up To 75, Add	*19.22*	
		For >75 To 150, Add	*8.88*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000 To 2,000, Deduct	*-4.58*	
		For >2,000 To 5,000, Deduct	*-7.09*	
		For >5,000, Deduct	*-10.35*	
33 01 30 79-0339	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	96.83	
		For Up To 75, Add	*20.97*	
		For >75 To 150, Add	*9.68*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000 To 2,000, Deduct	*-5.00*	
		For >2,000 To 5,000, Deduct	*-7.74*	
		For >5,000, Deduct	*-11.29*	
33 01 30 79-0340	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	104.90	
		For Up To 75, Add	*22.72*	
		For >75 To 150, Add	*10.49*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000 To 2,000, Deduct	*-5.41*	
		For >2,000 To 5,000, Deduct	*-8.38*	
		For >5,000, Deduct	*-12.23*	
33 01 30 79-0341	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	112.97	
		For Up To 75, Add	*24.47*	
		For >75 To 150, Add	*11.30*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000 To 2,000, Deduct	*-5.83*	
		For >2,000 To 5,000, Deduct	*-9.03*	
		For >5,000, Deduct	*-13.17*	
33 01 30 79-0342	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	121.04	
		For Up To 75, Add	*26.21*	
		For >75 To 150, Add	*12.10*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000 To 2,000, Deduct	*-6.25*	
		For >2,000 To 5,000, Deduct	*-9.67*	
		For >5,000, Deduct	*-14.11*	
33 01 30 79-0343	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	129.11	
		For Up To 75, Add	*27.96*	
		For >75 To 150, Add	*12.91*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000 To 2,000, Deduct	*-6.66*	
		For >2,000 To 5,000, Deduct	*-10.32*	
		For >5,000, Deduct	*-15.05*	
33 01 30 79-0344	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	137.17	
		For Up To 75, Add	*29.71*	
		For >75 To 150, Add	*13.72*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000 To 2,000, Deduct	*-7.08*	
		For >2,000 To 5,000, Deduct	*-10.96*	
		For >5,000, Deduct	*-15.99*	
33 01 30 79-0345	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	145.25	
		For Up To 75, Add	*31.46*	
		For >75 To 150, Add	*14.53*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000 To 2,000, Deduct	*-7.50*	
		For >2,000 To 5,000, Deduct	*-11.60*	
		For >5,000, Deduct	*-16.93*	
33 01 30 79-0346	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	153.32	
		For Up To 75, Add	*33.21*	
		For >75 To 150, Add	*15.33*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000 To 2,000, Deduct	*-7.91*	
		For >2,000 To 5,000, Deduct	*-12.25*	
		For >5,000, Deduct	*-17.87*	
33 01 30 79-0347	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	161.38	
		For Up To 75, Add	*34.95*	
		For >75 To 150, Add	*16.14*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000 To 2,000, Deduct	*-8.33*	
		For >2,000 To 5,000, Deduct	*-12.89*	
		For >5,000, Deduct	*-18.81*	
33 01 30 79-0348	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	5.13	

33 01 30 79-0349 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0350	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	60.02	
		For Up To 75, Add	*12.85*	
		For >75 To 150, Add	*6.00*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000 To 5,000, Deduct	*-4.62*	
		For >5,000, Deduct	*-6.85*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0351	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	70.02	
		For Up To 75, Add	*14.99*	
		For >75 To 150, Add	*7.00*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000 To 2,000, Deduct	*-3.49*	
		For >2,000 To 5,000, Deduct	*-5.38*	
		For >5,000, Deduct	*-7.99*	
33 01 30 79-0352	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	80.03	
		For Up To 75, Add	*17.13*	
		For >75 To 150, Add	*8.00*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-3.99*	
		For >2,000 To 5,000, Deduct	*-6.15*	
		For >5,000, Deduct	*-9.13*	
33 01 30 79-0353	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	90.02	
		For Up To 75, Add	*19.27*	
		For >75 To 150, Add	*9.00*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000 To 2,000, Deduct	*-4.49*	
		For >2,000 To 5,000, Deduct	*-6.92*	
		For >5,000, Deduct	*-10.27*	
33 01 30 79-0354	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	100.04	
		For Up To 75, Add	*21.42*	
		For >75 To 150, Add	*10.00*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-4.99*	
		For >2,000 To 5,000, Deduct	*-7.69*	
		For >5,000, Deduct	*-11.41*	
33 01 30 79-0355	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	110.04	
		For Up To 75, Add	*23.56*	
		For >75 To 150, Add	*11.00*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000 To 2,000, Deduct	*-5.49*	
		For >2,000 To 5,000, Deduct	*-8.46*	
		For >5,000, Deduct	*-12.55*	
33 01 30 79-0356	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	120.05	
		For Up To 75, Add	*25.70*	
		For >75 To 150, Add	*12.01*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000 To 2,000, Deduct	*-5.99*	
		For >2,000 To 5,000, Deduct	*-9.23*	
		For >5,000, Deduct	*-13.70*	
33 01 30 79-0357	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	130.04	
		For Up To 75, Add	*27.84*	
		For >75 To 150, Add	*13.00*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000 To 2,000, Deduct	*-6.48*	
		For >2,000 To 5,000, Deduct	*-10.00*	
		For >5,000, Deduct	*-14.83*	
33 01 30 79-0358	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	140.05	
		For Up To 75, Add	*29.98*	
		For >75 To 150, Add	*14.01*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-6.98*	
		For >2,000 To 5,000, Deduct	*-10.77*	
		For >5,000, Deduct	*-15.98*	
33 01 30 79-0359	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	150.05	
		For Up To 75, Add	*32.12*	
		For >75 To 150, Add	*15.01*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000 To 2,000, Deduct	*-7.48*	
		For >2,000 To 5,000, Deduct	*-11.54*	
		For >5,000, Deduct	*-17.12*	
33 01 30 79-0360	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	160.06	
		For Up To 75, Add	*34.27*	
		For >75 To 150, Add	*16.01*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000 To 2,000, Deduct	*-7.98*	
		For >2,000 To 5,000, Deduct	*-12.31*	
		For >5,000, Deduct	*-18.26*	
33 01 30 79-0361	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	170.06	
		For Up To 75, Add	*36.41*	
		For >75 To 150, Add	*17.01*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000 To 2,000, Deduct	*-8.48*	
		For >2,000 To 5,000, Deduct	*-13.08*	
		For >5,000, Deduct	*-19.40*	
33 01 30 79-0362	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	180.06	
		For Up To 75, Add	*38.55*	
		For >75 To 150, Add	*18.01*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-8.98*	
		For >2,000 To 5,000, Deduct	*-13.85*	
		For >5,000, Deduct	*-20.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0363	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	190.06	
		For Up To 75, Add	*40.69*	
		For >75 To 150, Add	*19.01*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000 To 2,000, Deduct	*-9.48*	
		For >2,000 To 5,000, Deduct	*-14.61*	
		For >5,000, Deduct	*-21.68*	
33 01 30 79-0364	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	200.06	
		For Up To 75, Add	*42.83*	
		For >75 To 150, Add	*20.01*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000 To 2,000, Deduct	*-9.97*	
		For >2,000 To 5,000, Deduct	*-15.38*	
		For >5,000, Deduct	*-22.82*	
33 01 30 79-0365	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	6.38	

33 01 30 79-0366 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0367	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	71.69	
		For Up To 75, Add	*15.23*	
		For >75 To 150, Add	*7.17*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000 To 2,000, Deduct	*-3.49*	
		For >2,000 To 5,000, Deduct	*-5.37*	
		For >5,000, Deduct	*-8.06*	
33 01 30 79-0368	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	83.65	
		For Up To 75, Add	*17.77*	
		For >75 To 150, Add	*8.37*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 2,000, Deduct	*-4.07*	
		For >2,000 To 5,000, Deduct	*-6.26*	
		For >5,000, Deduct	*-9.40*	
33 01 30 79-0369	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	95.58	
		For Up To 75, Add	*20.30*	
		For >75 To 150, Add	*9.56*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000 To 2,000, Deduct	*-4.65*	
		For >2,000 To 5,000, Deduct	*-7.16*	
		For >5,000, Deduct	*-10.74*	
33 01 30 79-0370	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	107.53	
		For Up To 75, Add	*22.84*	
		For >75 To 150, Add	*10.75*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000 To 2,000, Deduct	*-5.24*	
		For >2,000 To 5,000, Deduct	*-8.05*	
		For >5,000, Deduct	*-12.09*	
33 01 30 79-0371	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	119.49	
		For Up To 75, Add	*25.38*	
		For >75 To 150, Add	*11.95*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000 To 2,000, Deduct	*-5.82*	
		For >2,000 To 5,000, Deduct	*-8.95*	
		For >5,000, Deduct	*-13.43*	
33 01 30 79-0372	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	131.43	
		For Up To 75, Add	*27.92*	
		For >75 To 150, Add	*13.14*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000 To 2,000, Deduct	*-6.40*	
		For >2,000 To 5,000, Deduct	*-9.84*	
		For >5,000, Deduct	*-14.77*	
33 01 30 79-0373	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	143.39	
		For Up To 75, Add	*30.46*	
		For >75 To 150, Add	*14.34*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000 To 2,000, Deduct	*-6.98*	
		For >2,000 To 5,000, Deduct	*-10.74*	
		For >5,000, Deduct	*-16.12*	
33 01 30 79-0374	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	155.33	
		For Up To 75, Add	*32.99*	
		For >75 To 150, Add	*15.53*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000 To 2,000, Deduct	*-7.56*	
		For >2,000 To 5,000, Deduct	*-11.63*	
		For >5,000, Deduct	*-17.46*	
33 01 30 79-0375	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.27	
		For Up To 75, Add	*35.53*	
		For >75 To 150, Add	*16.73*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000 To 2,000, Deduct	*-8.14*	
		For >2,000 To 5,000, Deduct	*-12.53*	
		For >5,000, Deduct	*-18.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0376	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	179.23	
		For Up To 75, Add	*38.07*	
		For >75 To 150, Add	*17.92*	
		For >500 To 1,000, Deduct	*-4.47*	
		For >1,000 To 2,000, Deduct	*-8.73*	
		For >2,000 To 5,000, Deduct	*-13.42*	
		For >5,000, Deduct	*-20.15*	
33 01 30 79-0377	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	191.17	
		For Up To 75, Add	*40.61*	
		For >75 To 150, Add	*19.12*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000 To 2,000, Deduct	*-9.31*	
		For >2,000 To 5,000, Deduct	*-14.32*	
		For >5,000, Deduct	*-21.49*	
33 01 30 79-0378	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	203.13	
		For Up To 75, Add	*43.15*	
		For >75 To 150, Add	*20.31*	
		For >500 To 1,000, Deduct	*-5.07*	
		For >1,000 To 2,000, Deduct	*-9.89*	
		For >2,000 To 5,000, Deduct	*-15.21*	
		For >5,000, Deduct	*-22.83*	
33 01 30 79-0379	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	215.07	
		For Up To 75, Add	*45.68*	
		For >75 To 150, Add	*21.51*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000 To 2,000, Deduct	*-10.47*	
		For >2,000 To 5,000, Deduct	*-16.11*	
		For >5,000, Deduct	*-24.18*	
33 01 30 79-0380	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	227.01	
		For Up To 75, Add	*48.22*	
		For >75 To 150, Add	*22.70*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000 To 2,000, Deduct	*-11.05*	
		For >2,000 To 5,000, Deduct	*-17.00*	
		For >5,000, Deduct	*-25.52*	
33 01 30 79-0381	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	238.97	
		For Up To 75, Add	*50.76*	
		For >75 To 150, Add	*23.90*	
		For >500 To 1,000, Deduct	*-5.97*	
		For >1,000 To 2,000, Deduct	*-11.63*	
		For >2,000 To 5,000, Deduct	*-17.90*	
		For >5,000, Deduct	*-26.86*	
33 01 30 79-0382	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	7.61	

33 01 30 79-0383 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0384	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	83.45	
		For Up To 75, Add	*17.63*	
		For >75 To 150, Add	*8.35*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000 To 2,000, Deduct	*-3.99*	
		For >2,000 To 5,000, Deduct	*-6.13*	
		For >5,000, Deduct	*-9.28*	
33 01 30 79-0385	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	97.35	
		For Up To 75, Add	*20.56*	
		For >75 To 150, Add	*9.74*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000 To 2,000, Deduct	*-4.66*	
		For >2,000 To 5,000, Deduct	*-7.15*	
		For >5,000, Deduct	*-10.83*	
33 01 30 79-0386	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	111.27	
		For Up To 75, Add	*23.50*	
		For >75 To 150, Add	*11.13*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000 To 2,000, Deduct	*-5.32*	
		For >2,000 To 5,000, Deduct	*-8.17*	
		For >5,000, Deduct	*-12.38*	
33 01 30 79-0387	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	125.17	
		For Up To 75, Add	*26.44*	
		For >75 To 150, Add	*12.52*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000 To 2,000, Deduct	*-5.99*	
		For >2,000 To 5,000, Deduct	*-9.20*	
		For >5,000, Deduct	*-13.92*	
33 01 30 79-0388	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	139.08	
		For Up To 75, Add	*29.38*	
		For >75 To 150, Add	*13.91*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000 To 2,000, Deduct	*-6.66*	
		For >2,000 To 5,000, Deduct	*-10.22*	
		For >5,000, Deduct	*-15.47*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0389	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	152.98	
		For Up To 75, Add	*32.31*	
		For >75 To 150, Add	*15.30*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000 To 2,000, Deduct	*-7.32*	
		For >2,000 To 5,000, Deduct	*-11.24*	
		For >5,000, Deduct	*-17.01*	
33 01 30 79-0390	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	166.90	
		For Up To 75, Add	*35.25*	
		For >75 To 150, Add	*16.69*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000 To 2,000, Deduct	*-7.99*	
		For >2,000 To 5,000, Deduct	*-12.26*	
		For >5,000, Deduct	*-18.56*	
33 01 30 79-0391	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	180.81	
		For Up To 75, Add	*38.19*	
		For >75 To 150, Add	*18.08*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000 To 2,000, Deduct	*-8.65*	
		For >2,000 To 5,000, Deduct	*-13.28*	
		For >5,000, Deduct	*-20.11*	
33 01 30 79-0392	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	194.71	
		For Up To 75, Add	*41.13*	
		For >75 To 150, Add	*19.47*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000 To 2,000, Deduct	*-9.32*	
		For >2,000 To 5,000, Deduct	*-14.30*	
		For >5,000, Deduct	*-21.66*	
33 01 30 79-0393	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	208.62	
		For Up To 75, Add	*44.06*	
		For >75 To 150, Add	*20.86*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000 To 2,000, Deduct	*-9.98*	
		For >2,000 To 5,000, Deduct	*-15.33*	
		For >5,000, Deduct	*-23.20*	
33 01 30 79-0394	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	222.53	
		For Up To 75, Add	*47.00*	
		For >75 To 150, Add	*22.25*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000 To 2,000, Deduct	*-10.65*	
		For >2,000 To 5,000, Deduct	*-16.35*	
		For >5,000, Deduct	*-24.75*	
33 01 30 79-0395	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	236.44	
		For Up To 75, Add	*49.94*	
		For >75 To 150, Add	*23.64*	
		For >500 To 1,000, Deduct	*-5.79*	
		For >1,000 To 2,000, Deduct	*-11.31*	
		For >2,000 To 5,000, Deduct	*-17.37*	
		For >5,000, Deduct	*-26.30*	
33 01 30 79-0396	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	250.34	
		For Up To 75, Add	*52.88*	
		For >75 To 150, Add	*25.03*	
		For >500 To 1,000, Deduct	*-6.13*	
		For >1,000 To 2,000, Deduct	*-11.98*	
		For >2,000 To 5,000, Deduct	*-18.39*	
		For >5,000, Deduct	*-27.84*	
33 01 30 79-0397	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	264.25	
		For Up To 75, Add	*55.81*	
		For >75 To 150, Add	*26.43*	
		For >500 To 1,000, Deduct	*-6.47*	
		For >1,000 To 2,000, Deduct	*-12.65*	
		For >2,000 To 5,000, Deduct	*-19.41*	
		For >5,000, Deduct	*-29.39*	
33 01 30 79-0398	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	278.17	
		For Up To 75, Add	*58.76*	
		For >75 To 150, Add	*27.82*	
		For >500 To 1,000, Deduct	*-6.81*	
		For >1,000 To 2,000, Deduct	*-13.31*	
		For >2,000 To 5,000, Deduct	*-20.44*	
		For >5,000, Deduct	*-30.94*	
33 01 30 79-0399	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	8.86	

33 01 30 79-0400 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0401	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	107.06	
		For Up To 75, Add	*22.45*	
		For >75 To 150, Add	*10.71*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-5.01*	
		For >2,000 To 5,000, Deduct	*-7.67*	
		For >5,000, Deduct	*-11.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0402	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	124.90	
		For Up To 75, Add	*26.19*	
		For >75 To 150, Add	*12.49*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000 To 2,000, Deduct	*-5.85*	
		For >2,000 To 5,000, Deduct	*-8.95*	
		For >5,000, Deduct	*-13.70*	
33 01 30 79-0403	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	142.73	
		For Up To 75, Add	*29.93*	
		For >75 To 150, Add	*14.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000 To 2,000, Deduct	*-6.68*	
		For >2,000 To 5,000, Deduct	*-10.23*	
		For >5,000, Deduct	*-15.66*	
33 01 30 79-0404	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	160.58	
		For Up To 75, Add	*33.68*	
		For >75 To 150, Add	*16.06*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000 To 2,000, Deduct	*-7.52*	
		For >2,000 To 5,000, Deduct	*-11.51*	
		For >5,000, Deduct	*-17.62*	
33 01 30 79-0405	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	178.42	
		For Up To 75, Add	*37.42*	
		For >75 To 150, Add	*17.84*	
		For >500 To 1,000, Deduct	*-4.26*	
		For >1,000 To 2,000, Deduct	*-8.35*	
		For >2,000 To 5,000, Deduct	*-12.79*	
		For >5,000, Deduct	*-19.58*	
33 01 30 79-0406	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	196.27	
		For Up To 75, Add	*41.16*	
		For >75 To 150, Add	*19.63*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000 To 2,000, Deduct	*-9.19*	
		For >2,000 To 5,000, Deduct	*-14.07*	
		For >5,000, Deduct	*-21.53*	
33 01 30 79-0407	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	214.10	
		For Up To 75, Add	*44.90*	
		For >75 To 150, Add	*21.41*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000 To 2,000, Deduct	*-10.02*	
		For >2,000 To 5,000, Deduct	*-15.34*	
		For >5,000, Deduct	*-23.49*	
33 01 30 79-0408	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	231.94	
		For Up To 75, Add	*48.64*	
		For >75 To 150, Add	*23.19*	
		For >500 To 1,000, Deduct	*-5.54*	
		For >1,000 To 2,000, Deduct	*-10.86*	
		For >2,000 To 5,000, Deduct	*-16.62*	
		For >5,000, Deduct	*-25.45*	
33 01 30 79-0409	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	249.79	
		For Up To 75, Add	*52.39*	
		For >75 To 150, Add	*24.98*	
		For >500 To 1,000, Deduct	*-5.97*	
		For >1,000 To 2,000, Deduct	*-11.69*	
		For >2,000 To 5,000, Deduct	*-17.90*	
		For >5,000, Deduct	*-27.41*	
33 01 30 79-0410	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	267.63	
		For Up To 75, Add	*56.13*	
		For >75 To 150, Add	*26.76*	
		For >500 To 1,000, Deduct	*-6.39*	
		For >1,000 To 2,000, Deduct	*-12.53*	
		For >2,000 To 5,000, Deduct	*-19.18*	
		For >5,000, Deduct	*-29.36*	
33 01 30 79-0411	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	285.47	
		For Up To 75, Add	*59.87*	
		For >75 To 150, Add	*28.55*	
		For >500 To 1,000, Deduct	*-6.82*	
		For >1,000 To 2,000, Deduct	*-13.36*	
		For >2,000 To 5,000, Deduct	*-20.46*	
		For >5,000, Deduct	*-31.32*	
33 01 30 79-0412	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	303.31	
		For Up To 75, Add	*63.61*	
		For >75 To 150, Add	*30.33*	
		For >500 To 1,000, Deduct	*-7.25*	
		For >1,000 To 2,000, Deduct	*-14.20*	
		For >2,000 To 5,000, Deduct	*-21.74*	
		For >5,000, Deduct	*-33.28*	
33 01 30 79-0413	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	321.16	
		For Up To 75, Add	*67.35*	
		For >75 To 150, Add	*32.12*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000 To 2,000, Deduct	*-15.03*	
		For >2,000 To 5,000, Deduct	*-23.01*	
		For >5,000, Deduct	*-35.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0414	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	339.00	
		For Up To 75, Add	*71.09*	
		For >75 To 150, Add	*33.90*	
		For >500 To 1,000, Deduct	*-8.10*	
		For >1,000 To 2,000, Deduct	*-15.87*	
		For >2,000 To 5,000, Deduct	*-24.29*	
		For >5,000, Deduct	*-37.19*	
33 01 30 79-0415	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	356.83	
		For Up To 75, Add	*74.83*	
		For >75 To 150, Add	*35.68*	
		For >500 To 1,000, Deduct	*-8.52*	
		For >1,000 To 2,000, Deduct	*-16.70*	
		For >2,000 To 5,000, Deduct	*-25.57*	
		For >5,000, Deduct	*-39.15*	
33 01 30 79-0416	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	11.36	

33 01 30 79-0417 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 79-0312)*

Note: Two part structural polyurethane.

33 01 30 79-0418	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	130.93	
		For Up To 75, Add	*27.34*	
		For >75 To 150, Add	*13.09*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000 To 2,000, Deduct	*-6.05*	
		For >2,000 To 5,000, Deduct	*-9.24*	
		For >5,000, Deduct	*-14.25*	
33 01 30 79-0419	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	152.73	
		For Up To 75, Add	*31.89*	
		For >75 To 150, Add	*15.27*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-7.05*	
		For >2,000 To 5,000, Deduct	*-10.78*	
		For >5,000, Deduct	*-16.62*	
33 01 30 79-0420	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	174.56	
		For Up To 75, Add	*36.45*	
		For >75 To 150, Add	*17.46*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000 To 2,000, Deduct	*-8.06*	
		For >2,000 To 5,000, Deduct	*-12.32*	
		For >5,000, Deduct	*-19.00*	
33 01 30 79-0421	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	196.39	
		For Up To 75, Add	*41.01*	
		For >75 To 150, Add	*19.64*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-9.07*	
		For >2,000 To 5,000, Deduct	*-13.86*	
		For >5,000, Deduct	*-21.37*	
33 01 30 79-0422	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	218.20	
		For Up To 75, Add	*45.57*	
		For >75 To 150, Add	*21.82*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000 To 2,000, Deduct	*-10.08*	
		For >2,000 To 5,000, Deduct	*-15.40*	
		For >5,000, Deduct	*-23.75*	
33 01 30 79-0423	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	240.03	
		For Up To 75, Add	*50.13*	
		For >75 To 150, Add	*24.00*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000 To 2,000, Deduct	*-11.08*	
		For >2,000 To 5,000, Deduct	*-16.94*	
		For >5,000, Deduct	*-26.12*	
33 01 30 79-0424	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	261.84	
		For Up To 75, Add	*54.68*	
		For >75 To 150, Add	*26.18*	
		For >500 To 1,000, Deduct	*-6.16*	
		For >1,000 To 2,000, Deduct	*-12.09*	
		For >2,000 To 5,000, Deduct	*-18.48*	
		For >5,000, Deduct	*-28.50*	
33 01 30 79-0425	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	283.66	
		For Up To 75, Add	*59.24*	
		For >75 To 150, Add	*28.37*	
		For >500 To 1,000, Deduct	*-6.67*	
		For >1,000 To 2,000, Deduct	*-13.10*	
		For >2,000 To 5,000, Deduct	*-20.02*	
		For >5,000, Deduct	*-30.87*	
33 01 30 79-0426	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	305.49	
		For Up To 75, Add	*63.80*	
		For >75 To 150, Add	*30.55*	
		For >500 To 1,000, Deduct	*-7.19*	
		For >1,000 To 2,000, Deduct	*-14.11*	
		For >2,000 To 5,000, Deduct	*-21.57*	
		For >5,000, Deduct	*-33.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0427	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	327.31	
		For Up To 75, Add	*68.35*	
		For >75 To 150, Add	*32.73*	
		For >500 To 1,000, Deduct	*-7.70*	
		For >1,000 To 2,000, Deduct	*-15.12*	
		For >2,000 To 5,000, Deduct	*-23.11*	
		For >5,000, Deduct	*-35.62*	
33 01 30 79-0428	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	349.12	
		For Up To 75, Add	*72.91*	
		For >75 To 150, Add	*34.91*	
		For >500 To 1,000, Deduct	*-8.22*	
		For >1,000 To 2,000, Deduct	*-16.12*	
		For >2,000 To 5,000, Deduct	*-24.65*	
		For >5,000, Deduct	*-37.99*	
33 01 30 79-0429	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	370.95	
		For Up To 75, Add	*77.47*	
		For >75 To 150, Add	*37.10*	
		For >500 To 1,000, Deduct	*-8.73*	
		For >1,000 To 2,000, Deduct	*-17.13*	
		For >2,000 To 5,000, Deduct	*-26.19*	
		For >5,000, Deduct	*-40.37*	
33 01 30 79-0430	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	392.77	
		For Up To 75, Add	*82.02*	
		For >75 To 150, Add	*39.28*	
		For >500 To 1,000, Deduct	*-9.24*	
		For >1,000 To 2,000, Deduct	*-18.14*	
		For >2,000 To 5,000, Deduct	*-27.73*	
		For >5,000, Deduct	*-42.74*	
33 01 30 79-0431	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	414.59	
		For Up To 75, Add	*86.58*	
		For >75 To 150, Add	*41.46*	
		For >500 To 1,000, Deduct	*-9.76*	
		For >1,000 To 2,000, Deduct	*-19.15*	
		For >2,000 To 5,000, Deduct	*-29.27*	
		For >5,000, Deduct	*-45.12*	
33 01 30 79-0432	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	436.40	
		For Up To 75, Add	*91.13*	
		For >75 To 150, Add	*43.64*	
		For >500 To 1,000, Deduct	*-10.27*	
		For >1,000 To 2,000, Deduct	*-20.15*	
		For >2,000 To 5,000, Deduct	*-30.81*	
		For >5,000, Deduct	*-47.49*	
33 01 30 79-0433	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	13.90	

33 01 30 79-0434 Relining Underground Water Pipelines *(33 01 30 79)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

33 01 30 79-0435 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 30 79-0434)*

33 01 30 79-0436	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	4,023.17	
33 01 30 79-0437	EA	Move And Reset Up At Different Access/Location	1,609.27	

33 01 30 79-0438 Lining Pipe With Cement *(33 01 30 79-0434)*

33 01 30 79-0439	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	48.42	
		For 3/16" Thickness, Add	*0.57*	
		For 1/4" Thickness, Add	*1.13*	
33 01 30 79-0440	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	43.08	
		For 3/16" Thickness, Add	*0.57*	
		For 1/4" Thickness, Add	*1.13*	
33 01 30 79-0441	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	35.93	
		For 3/16" Thickness, Add	*0.57*	
		For 1/4" Thickness, Add	*1.13*	
33 01 30 79-0442	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	26.95	
		For 3/16" Thickness, Add	*0.57*	
		For 1/4" Thickness, Add	*1.13*	
33 01 30 79-0443	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	50.21	
		For 3/16" Thickness, Add	*0.85*	
		For 1/4" Thickness, Add	*1.69*	
33 01 30 79-0444	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	44.66	
		For 3/16" Thickness, Add	*0.85*	
		For 1/4" Thickness, Add	*1.69*	
33 01 30 79-0445	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	37.26	
		For 3/16" Thickness, Add	*0.85*	
		For 1/4" Thickness, Add	*1.69*	
33 01 30 79-0446	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	28.15	
		For 3/16" Thickness, Add	*0.85*	
		For 1/4" Thickness, Add	*1.69*	
33 01 30 79-0447	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	51.92	
		For 3/16" Thickness, Add	*1.13*	
		For 1/4" Thickness, Add	*2.25*	
33 01 30 79-0448	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	46.25	
		For 3/16" Thickness, Add	*1.13*	
		For 1/4" Thickness, Add	*2.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0449	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	38.60	
		For 3/16" Thickness, Add	*1.13*	
		For 1/4" Thickness, Add	*2.25*	
33 01 30 79-0450	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	29.37	
		For 3/16" Thickness, Add	*1.13*	
		For 1/4" Thickness, Add	*2.25*	
33 01 30 79-0451	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	53.18	
		For 3/16" Thickness, Add	*1.41*	
		For 1/4" Thickness, Add	*2.82*	
33 01 30 79-0452	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	47.43	
		For 3/16" Thickness, Add	*1.41*	
		For 1/4" Thickness, Add	*2.82*	
33 01 30 79-0453	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	39.66	
		For 3/16" Thickness, Add	*1.41*	
		For 1/4" Thickness, Add	*2.82*	
33 01 30 79-0454	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	30.59	
		For 3/16" Thickness, Add	*1.41*	
		For 1/4" Thickness, Add	*2.82*	
33 01 30 79-0455	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	57.38	
		For 3/16" Thickness, Add	*1.69*	
		For 1/4" Thickness, Add	*3.38*	
33 01 30 79-0456	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	51.26	
		For 3/16" Thickness, Add	*1.69*	
		For 1/4" Thickness, Add	*3.38*	
33 01 30 79-0457	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	43.00	
		For 3/16" Thickness, Add	*1.69*	
		For 1/4" Thickness, Add	*3.38*	
33 01 30 79-0458	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	33.19	
		For 3/16" Thickness, Add	*1.69*	
		For 1/4" Thickness, Add	*3.38*	
33 01 30 79-0459	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	61.27	
		For 1/4" Thickness, Add	*1.88*	
		For 5/16" Thickness, Add	*3.76*	
33 01 30 79-0460	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	54.92	
		For 1/4" Thickness, Add	*1.88*	
		For 5/16" Thickness, Add	*3.76*	
33 01 30 79-0461	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	46.32	
		For 1/4" Thickness, Add	*1.88*	
		For 5/16" Thickness, Add	*3.76*	
33 01 30 79-0462	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	36.92	
		For 1/4" Thickness, Add	*1.88*	
		For 5/16" Thickness, Add	*3.76*	
33 01 30 79-0463	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	64.02	
		For 1/4" Thickness, Add	*2.25*	
		For 5/16" Thickness, Add	*4.51*	
33 01 30 79-0464	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	57.48	
		For 1/4" Thickness, Add	*2.25*	
		For 5/16" Thickness, Add	*4.51*	
33 01 30 79-0465	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	48.59	
		For 1/4" Thickness, Add	*2.25*	
		For 5/16" Thickness, Add	*4.51*	
33 01 30 79-0466	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	39.68	
		For 1/4" Thickness, Add	*2.25*	
		For 5/16" Thickness, Add	*4.51*	
33 01 30 79-0467	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	67.52	
		For 1/4" Thickness, Add	*2.63*	
		For 5/16" Thickness, Add	*5.26*	
33 01 30 79-0468	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	60.75	
		For 1/4" Thickness, Add	*2.63*	
		For 5/16" Thickness, Add	*5.26*	
33 01 30 79-0469	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	51.42	
		For 1/4" Thickness, Add	*2.63*	
		For 5/16" Thickness, Add	*5.26*	
33 01 30 79-0470	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	43.10	
		For 1/4" Thickness, Add	*2.63*	
		For 5/16" Thickness, Add	*5.26*	
33 01 30 79-0471	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	71.10	
		For 1/4" Thickness, Add	*3.01*	
		For 5/16" Thickness, Add	*6.01*	
33 01 30 79-0472	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	64.05	
		For 1/4" Thickness, Add	*3.01*	
		For 5/16" Thickness, Add	*6.01*	
33 01 30 79-0473	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	54.44	
		For 1/4" Thickness, Add	*3.01*	
		For 5/16" Thickness, Add	*6.01*	
33 01 30 79-0474	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	46.67	
		For 1/4" Thickness, Add	*3.01*	
		For 5/16" Thickness, Add	*6.01*	
33 01 30 79-0475	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	75.72	
		For 1/4" Thickness, Add	*3.76*	
		For 5/16" Thickness, Add	*7.51*	
33 01 30 79-0476	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	68.26	
		For 1/4" Thickness, Add	*3.76*	
		For 5/16" Thickness, Add	*7.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0477	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	58.07	
		For 1/4" Thickness, Add	*3.76*	
		For 5/16" Thickness, Add	*7.51*	
33 01 30 79-0478	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	50.23	
		For 1/4" Thickness, Add	*3.76*	
		For 5/16" Thickness, Add	*7.51*	
33 01 30 79-0479	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	80.27	
		For 1/4" Thickness, Add	*4.51*	
		For 5/16" Thickness, Add	*9.02*	
33 01 30 79-0480	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	72.48	
		For 1/4" Thickness, Add	*4.51*	
		For 5/16" Thickness, Add	*9.02*	
33 01 30 79-0481	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	61.73	
		For 1/4" Thickness, Add	*4.51*	
		For 5/16" Thickness, Add	*9.02*	
33 01 30 79-0482	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	53.81	
		For 1/4" Thickness, Add	*4.51*	
		For 5/16" Thickness, Add	*9.02*	
33 01 30 79-0483	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	96.61	
		For 3/8" Thickness, Add	*11.84*	
		For 7/16" Thickness, Add	*17.75*	
33 01 30 79-0484	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	88.13	
		For 3/8" Thickness, Add	*11.84*	
		For 7/16" Thickness, Add	*17.75*	
33 01 30 79-0485	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	76.44	
		For 3/8" Thickness, Add	*11.84*	
		For 7/16" Thickness, Add	*17.75*	
33 01 30 79-0486	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	68.27	
		For 3/8" Thickness, Add	*11.84*	
		For 7/16" Thickness, Add	*17.75*	
33 01 30 79-0487	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	106.12	
		For 3/8" Thickness, Add	*13.53*	
		For 7/16" Thickness, Add	*20.29*	
33 01 30 79-0488	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	97.05	
		For 3/8" Thickness, Add	*13.53*	
		For 7/16" Thickness, Add	*20.29*	
33 01 30 79-0489	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	84.47	
		For 3/8" Thickness, Add	*13.53*	
		For 7/16" Thickness, Add	*20.29*	
33 01 30 79-0490	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	76.14	
		For 3/8" Thickness, Add	*13.53*	
		For 7/16" Thickness, Add	*20.29*	
33 01 30 79-0491	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	110.97	
		For 3/8" Thickness, Add	*15.22*	
		For 7/16" Thickness, Add	*22.82*	
33 01 30 79-0492	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	101.70	
		For 3/8" Thickness, Add	*15.22*	
		For 7/16" Thickness, Add	*22.82*	
33 01 30 79-0493	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	88.84	
		For 3/8" Thickness, Add	*15.22*	
		For 7/16" Thickness, Add	*22.82*	
33 01 30 79-0494	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	80.83	
		For 3/8" Thickness, Add	*15.22*	
		For 7/16" Thickness, Add	*22.82*	
33 01 30 79-0495	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	115.83	
		For 3/8" Thickness, Add	*16.91*	
		For 7/16" Thickness, Add	*25.37*	
33 01 30 79-0496	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	106.40	
		For 3/8" Thickness, Add	*16.91*	
		For 7/16" Thickness, Add	*25.37*	
33 01 30 79-0497	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	93.29	
		For 3/8" Thickness, Add	*16.91*	
		For 7/16" Thickness, Add	*25.37*	
33 01 30 79-0498	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	85.53	
		For 3/8" Thickness, Add	*16.91*	
		For 7/16" Thickness, Add	*25.37*	
33 01 30 79-0499	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	120.93	
		For 3/8" Thickness, Add	*18.60*	
		For 7/16" Thickness, Add	*27.90*	
33 01 30 79-0500	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	111.29	
		For 3/8" Thickness, Add	*18.60*	
		For 7/16" Thickness, Add	*27.90*	
33 01 30 79-0501	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	97.97	
		For 3/8" Thickness, Add	*18.60*	
		For 7/16" Thickness, Add	*27.90*	
33 01 30 79-0502	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	90.79	
		For 3/8" Thickness, Add	*18.60*	
		For 7/16" Thickness, Add	*27.90*	
33 01 30 79-0503	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	126.35	
		For 3/8" Thickness, Add	*20.29*	
		For 7/16" Thickness, Add	*30.44*	
33 01 30 79-0504	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	116.55	
		For 3/8" Thickness, Add	*20.29*	
		For 7/16" Thickness, Add	*30.44*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0505	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	102.90	
		For 3/8" Thickness, Add	*20.29*	
		For 7/16" Thickness, Add	*30.44*	
33 01 30 79-0506	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	96.13	
		For 3/8" Thickness, Add	*20.29*	
		For 7/16" Thickness, Add	*30.44*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*
Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	144.13
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	8,794.46
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	12,401.84

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*
Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	393.17
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	414.42
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	425.05
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	488.81
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	552.57
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	616.31
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	743.83

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*
Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	573.82
33 01 30 81-0017	EA	30" External Manhole Encapsulation	605.70
33 01 30 81-0018	EA	36" External Manhole Encapsulation	648.19
33 01 30 81-0019	EA	42" External Manhole Encapsulation	701.32
33 01 30 81-0020	EA	48" External Manhole Encapsulation	775.72
33 01 30 81-0021	EA	54" External Manhole Encapsulation	860.72
33 01 30 81-0022	EA	60" External Manhole Encapsulation	966.98

33 01 30 81-0023 Manhole Patching *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	12.91
33 01 30 81-0025	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	33.62

33 01 30 81-0026 Manhole Joint Restoration *(33 01 30 81-0001)*
Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0027	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,471.86
		For Grouting Each Additional Manhole Joint Section, Add	*192.89*
33 01 30 81-0028	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,718.11
		For Grouting Each Additional Manhole Joint Section, Add	*212.54*
33 01 30 81-0029	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,962.49
		For Grouting Each Additional Manhole Joint Section, Add	*232.19*
33 01 30 81-0030	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,306.68
		For Grouting Each Additional Manhole Joint Section, Add	*242.01*
33 01 30 81-0031	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,649.94
		For Grouting Each Additional Manhole Joint Section, Add	*251.83*

33 01 30 81-0032 Step Installation In Existing Manholes *(33 01 30 81-0001)*
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0033	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	91.56	17.32
33 01 30 81-0034	EA	Drill And Grout Galvanized Steel Manhole Step	78.50	17.32
33 01 30 81-0035	EA	Bolt On Galvanized Steel Manhole Step	97.47	17.32
33 01 30 81-0036	EA	Drill And Grout Aluminum Manhole Step	90.77	17.32
33 01 30 81-0037	EA	Drill And Insert Polypropylene Manhole Step	48.46	13.86

33 01 30 81-0038 Manhole Penetration Sealing *(33 01 30 81-0001)*
Note: At new pipe connection to manhole.

33 01 30 81-0039	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	312.84

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0040	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	481.64	
33 01 30 81-0041	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	658.67	

33 01 30 81-0042 Invert Restoration *(33 01 30 81-0001)*
Note: Includes removal of existing defective material and installation of new material.

33 01 30 81-0043 Concrete Invert Restoration *(33 01 30 81-0042)*

33 01 30 81-0044	EA	2' Diameter, Concrete Invert Restoration	295.80	
33 01 30 81-0045	EA	3' Diameter, Concrete Invert Restoration	331.84	
33 01 30 81-0046	EA	4' Diameter, Concrete Invert Restoration	367.86	
33 01 30 81-0047	EA	5' Diameter, Concrete Invert Restoration	403.90	
33 01 30 81-0048	EA	6' Diameter, Concrete Invert Restoration	511.99	
33 01 30 81-0049	SF	Square Or Rectangular, Concrete Invert Restoration	29.25	

33 01 30 81-0050 Brick Invert Restoration *(33 01 30 81-0042)*

33 01 30 81-0051	EA	2' Diameter, Brick Invert Restoration	492.77	
33 01 30 81-0052	EA	3' Diameter, Brick Invert Restoration	528.80	
33 01 30 81-0053	EA	4' Diameter, Brick Invert Restoration	564.83	
33 01 30 81-0054	EA	5' Diameter, Brick Invert Restoration	600.87	
33 01 30 81-0055	EA	6' Diameter, Brick Invert Restoration	636.90	
33 01 30 81-0056	SF	Square Or Rectangular, Brick Invert Restoration	40.74	

33 01 30 82 Lining For Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Manhole Lining *(33 01 30 82)*
Note: Includes power washing and cleaning of manhole interiors.

33 01 30 82-0002 Cementitious Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	117.55	
		For Each Additional 1/2" Thick Material, Add	*31.13*	
		For 2 To 5 Manholes, Deduct	*-8.21*	
		For 6 To 10 Manholes, Deduct	*-13.48*	
		For >10 Manholes, Deduct	*-26.97*	
33 01 30 82-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	136.32	
		For Each Additional 1/2" Thick Material, Add	*36.24*	
		For 2 To 5 Manholes, Deduct	*-9.52*	
		For 6 To 10 Manholes, Deduct	*-15.63*	
		For >10 Manholes, Deduct	*-31.25*	
33 01 30 82-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	155.09	
		For Each Additional 1/2" Thick Material, Add	*41.34*	
		For 2 To 5 Manholes, Deduct	*-10.82*	
		For 6 To 10 Manholes, Deduct	*-17.77*	
		For >10 Manholes, Deduct	*-35.54*	
33 01 30 82-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	183.01	
		For Each Additional 1/2" Thick Material, Add	*50.75*	
		For 2 To 5 Manholes, Deduct	*-12.71*	
		For 6 To 10 Manholes, Deduct	*-20.85*	
		For >10 Manholes, Deduct	*-41.70*	
33 01 30 82-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	200.71	
		For Each Additional 1/2" Thick Material, Add	*58.82*	
		For 2 To 5 Manholes, Deduct	*-13.84*	
		For 6 To 10 Manholes, Deduct	*-22.67*	
		For >10 Manholes, Deduct	*-45.33*	

33 01 30 82-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	232.80	
		For 80 Mil Material, Add	*20.50*	
		For 100 Mil Material, Add	*41.00*	
		For 125 Mil Material, Add	*62.47*	
		For 150 Mil Material, Add	*83.95*	
		For 200 Mil Material, Add	*115.86*	
		For 2 To 5 Manholes, Deduct	*-17.17*	
		For 6 To 10 Manholes, Deduct	*-28.51*	
		For >10 Manholes, Deduct	*-57.02*	
33 01 30 82-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	283.88	
		For 80 Mil Material, Add	*24.84*	
		For 100 Mil Material, Add	*49.67*	
		For 125 Mil Material, Add	*75.65*	
		For 150 Mil Material, Add	*101.63*	
		For 200 Mil Material, Add	*140.08*	
		For 2 To 5 Manholes, Deduct	*-20.95*	
		For 6 To 10 Manholes, Deduct	*-34.80*	
		For >10 Manholes, Deduct	*-69.60*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	310.41	
		For 80 Mil Material, Add	*27.33*	
		For 100 Mil Material, Add	*54.66*	
		For 125 Mil Material, Add	*83.30*	
		For 150 Mil Material, Add	*111.94*	
		For 200 Mil Material, Add	*154.48*	
		For 2 To 5 Manholes, Deduct	*-22.89*	
		For 6 To 10 Manholes, Deduct	*-38.02*	
		For >10 Manholes, Deduct	*-76.03*	
33 01 30 82-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	388.00	
		For 80 Mil Material, Add	*34.16*	
		For 100 Mil Material, Add	*68.33*	
		For 125 Mil Material, Add	*104.12*	
		For 150 Mil Material, Add	*139.92*	
		For 200 Mil Material, Add	*193.09*	
		For 2 To 5 Manholes, Deduct	*-28.61*	
		For 6 To 10 Manholes, Deduct	*-47.52*	
		For >10 Manholes, Deduct	*-95.04*	
33 01 30 82-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	465.60	
		For 80 Mil Material, Add	*41.00*	
		For 100 Mil Material, Add	*81.99*	
		For 125 Mil Material, Add	*124.95*	
		For 150 Mil Material, Add	*167.90*	
		For 200 Mil Material, Add	*231.71*	
		For 2 To 5 Manholes, Deduct	*-34.33*	
		For 6 To 10 Manholes, Deduct	*-57.02*	
		For >10 Manholes, Deduct	*-114.05*	

33 01 30 82-0014 Epoxy Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0015	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	254.70	
		For 80 Mil Material, Add	*27.80*	
		For 100 Mil Material, Add	*55.60*	
		For 125 Mil Material, Add	*86.20*	
		For 150 Mil Material, Add	*116.80*	
		For 200 Mil Material, Add	*166.96*	
		For 2 To 5 Manholes, Deduct	*-18.26*	
		For 6 To 10 Manholes, Deduct	*-30.15*	
		For >10 Manholes, Deduct	*-60.31*	
33 01 30 82-0016	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	309.46	
		For 80 Mil Material, Add	*33.36*	
		For 100 Mil Material, Add	*66.72*	
		For 125 Mil Material, Add	*103.36*	
		For 150 Mil Material, Add	*140.00*	
		For 200 Mil Material, Add	*199.76*	
		For 2 To 5 Manholes, Deduct	*-22.23*	
		For 6 To 10 Manholes, Deduct	*-36.72*	
		For >10 Manholes, Deduct	*-73.44*	
33 01 30 82-0017	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	339.60	
		For 80 Mil Material, Add	*37.06*	
		For 100 Mil Material, Add	*74.12*	
		For 125 Mil Material, Add	*114.92*	
		For 150 Mil Material, Add	*155.72*	
		For 200 Mil Material, Add	*222.59*	
		For 2 To 5 Manholes, Deduct	*-24.35*	
		For 6 To 10 Manholes, Deduct	*-40.21*	
		For >10 Manholes, Deduct	*-80.41*	
33 01 30 82-0018	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	424.53	
		For 80 Mil Material, Add	*46.34*	
		For 100 Mil Material, Add	*92.68*	
		For 125 Mil Material, Add	*143.70*	
		For 150 Mil Material, Add	*194.72*	
		For 200 Mil Material, Add	*278.33*	
		For 2 To 5 Manholes, Deduct	*-30.44*	
		For 6 To 10 Manholes, Deduct	*-50.26*	
		For >10 Manholes, Deduct	*-100.52*	
33 01 30 82-0019	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	509.43	
		For 80 Mil Material, Add	*55.61*	
		For 100 Mil Material, Add	*111.21*	
		For 125 Mil Material, Add	*172.43*	
		For 150 Mil Material, Add	*233.65*	
		For 200 Mil Material, Add	*333.98*	
		For 2 To 5 Manholes, Deduct	*-36.52*	
		For 6 To 10 Manholes, Deduct	*-60.31*	
		For >10 Manholes, Deduct	*-120.62*	

33 01 30 82-0020 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0021	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	346.78	
		For 2 To 5 Manholes, Deduct	*-20.73*	
		For 6 To 10 Manholes, Deduct	*-32.80*	
		For >10 Manholes, Deduct	*-65.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0022	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	424.59	
		For 2 To 5 Manholes, Deduct	*-25.38*	
		For 6 To 10 Manholes, Deduct	*-40.14*	
		For >10 Manholes, Deduct	*-80.28*	
33 01 30 82-0023	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	496.64	
		For 2 To 5 Manholes, Deduct	*-29.36*	
		For 6 To 10 Manholes, Deduct	*-46.30*	
		For >10 Manholes, Deduct	*-92.60*	
33 01 30 82-0024	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	622.63	
		For 2 To 5 Manholes, Deduct	*-36.79*	
		For 6 To 10 Manholes, Deduct	*-58.01*	
		For >10 Manholes, Deduct	*-116.02*	
33 01 30 82-0025	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	748.63	
		For 2 To 5 Manholes, Deduct	*-44.22*	
		For 6 To 10 Manholes, Deduct	*-69.73*	
		For >10 Manholes, Deduct	*-139.45*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	268.31
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	300.93
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	330.71
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	364.38
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	392.04

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	312.84
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	340.66
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	375.40
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	409.08
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	441.68

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	360.49
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	380.81
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	402.77

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	437.78
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	475.63
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	514.16
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	545.25
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	591.93
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	634.64
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	676.61
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	719.58

33 01 30 86-0027 >12" Rise, Solid Manhole Risers *(33 01 30 86)*

33 01 30 86-0028 Precast Concrete Manhole Riser *(33 01 30 86-0027)*

33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	94.09
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	112.21
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	128.15
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	258.43
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	379.07

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.52

33 05 Common Work Results For Utilities *(33)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	20.09
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	24.24
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	33.25
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	42.95
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	76.27
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	111.25
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	133.69
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	159.70
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	276.34
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	342.31
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	422.22
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	482.40
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	614.08
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	661.68
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	719.61
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	754.43
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,229.88
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,340.56
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,268.81

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.59
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	15.89
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	22.07
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	27.36
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	32.65
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	37.94
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	44.12
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	53.83
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	58.31
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	62.81
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	130.09
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	202.23
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	246.62
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	394.60
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,823.98
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,229.88
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,340.56

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	45.14
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	54.19
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	73.45
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	94.92
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	128.92
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	188.81
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	227.22
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	271.32
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	432.78
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	663.38
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	778.76
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	881.35
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	947.61
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,026.46
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,100.43
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,823.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,229.88	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,340.56	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,268.81	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.50	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.20	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.15	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.13	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.76	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	20.03	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.30	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.50	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.93	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.35	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.73	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.12	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.55	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.99	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.51	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.42	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.35	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.52	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.45	

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Cast In Place Concrete, 8" Thick *(33 05 61 00-0001)*
Note: Includes base, wall, top and block-out for openings.

33 05 61 00-0003 48" Diameter *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Diameter x 4' Deep Cast In Place Manhole 8" Thick	1,656.24	506.81
33 05 61 00-0005	EA	4' Diameter x 6' Deep Cast In Place Manhole 8" Thick	2,286.10	693.38
33 05 61 00-0006	EA	4' Diameter x 8' Deep Cast In Place Manhole 8" Thick	3,234.97	1,039.46
33 05 61 00-0007	VLF	4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'	399.21	129.98

33 05 61 00-0008 Precast Concrete Manholes *(33 05 61 00-0001)*
Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*

33 05 61 00-0010	EA	4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,090.31	239.87
		For 6" Thick Wall, Deduct	*-85.04*	
33 05 61 00-0011	EA	6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,523.69	328.04
		For 6" Thick Wall, Deduct	*-119.57*	
33 05 61 00-0012	EA	8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,108.80	492.05
		For 6" Thick Wall, Deduct	*-161.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0013	VLF	Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	259.59	65.61
		For 6" Thick Wall, Deduct	*-19.81*	
33 05 61 00-0014		3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0015	EA	4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,231.35	250.12
		For 6" Thick Wall, Deduct	*-98.12*	
33 05 61 00-0016	EA	6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,714.90	341.97
		For 6" Thick Wall, Deduct	*-137.29*	
33 05 61 00-0017	EA	8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	2,355.91	512.55
		For 6" Thick Wall, Deduct	*-184.34*	
33 05 61 00-0018	VLF	Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	288.83	65.61
		For 6" Thick Wall, Deduct	*-22.49*	
33 05 61 00-0019		4' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0020	EA	4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,376.83	258.33
		For 6" Thick Wall, Deduct	*-111.68*	
33 05 61 00-0021	EA	6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,910.34	352.63
		For 6" Thick Wall, Deduct	*-155.50*	
33 05 61 00-0022	EA	8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,608.55	533.06
		For 6" Thick Wall, Deduct	*-207.55*	
33 05 61 00-0023	VLF	Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	318.92	67.65
		For 6" Thick Wall, Deduct	*-25.23*	
33 05 61 00-0024	VLF	Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	389.92	67.65
		For 6" Thick Wall, Deduct	*-32.33*	
33 05 61 00-0025		5' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0026	EA	4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,700.34	287.03
		For 6" Thick Wall, Deduct	*-141.25*	
33 05 61 00-0027	EA	6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,339.29	393.64
		For 6" Thick Wall, Deduct	*-194.62*	
33 05 61 00-0028	EA	8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	3,160.79	590.46
		For 6" Thick Wall, Deduct	*-257.11*	
33 05 61 00-0029	VLF	Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	384.11	73.81
		For 6" Thick Wall, Deduct	*-31.03*	
33 05 61 00-0030	VLF	Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	460.83	73.81
		For 6" Thick Wall, Deduct	*-38.70*	
33 05 61 00-0031		6' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0032	EA	4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,053.04	319.83
33 05 61 00-0033	EA	6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,801.91	434.65
33 05 61 00-0034	EA	8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	3,755.12	656.07
33 05 61 00-0035	VLF	Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	453.23	82.00
33 05 61 00-0036	VLF	Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	524.23	82.00
33 05 62		Brick Manholes *(33 05)*		
33 05 62 00-0001		Brick Manholes *(33 05 62)*		
33 05 62 00-0002		4' Inside Diameter x 8" Wall (2 Brick) *(33 05 62 00-0001)*		
33 05 62 00-0003	EA	4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,716.82	867.54
33 05 62 00-0004	EA	4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,948.79	1,277.65
33 05 62 00-0005	EA	4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	5,199.84	1,735.09
33 05 62 00-0006	VLF	4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'	682.47	216.88
33 05 63		Concrete Vaults and Chambers *(33 05)*		
33 05 63 00-0001		Underground Utility Vaults And Structures *(33 05 63)* See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0087 for frames and covers.		
33 05 63 00-0002		Precast Concrete Underground Utility Vault *(33 05 63 00-0001)* Note: Sizes given are for inside dimensions.		
33 05 63 00-0003		6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,999.23	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,909.48	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,449.63	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,447.25	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,996.07	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,081.84	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,168.43	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,356.94	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,356.94	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,041.07	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,344.79	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,606.91	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,302.80	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,846.67	
33 05 63 00-0018		7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,301.74	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,287.23	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,272.69	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,015.86	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,089.49	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,449.04	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,610.87	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,772.67	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,262.88	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,148.40	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,949.00	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,286.35	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,309.90	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,953.19	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,510.75	
33 05 63 00-0034		8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,603.45	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,664.97	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,582.06	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,730.92	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,902.01	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,139.05	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,376.11	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,168.80	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,255.80	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,552.42	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,965.79	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,316.13	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,060.57	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,517.55	

copyright 2018 The Gordian Group, Inc.

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,355.00	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,667.23	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,523.71	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,807.96	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,196.27	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	2,081.24	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	2,790.48	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	3,457.89	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	4,257.91	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	5,794.35	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	3,126.50	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	4,257.91	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	5,442.10	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	6,790.96	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	9,467.30	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)*		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	195.30	18.34
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	178.96	40.73
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	272.78	61.10
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	312.96	61.10
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	299.68	61.10
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	357.63	61.10
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	348.89	61.10
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	466.23	61.10
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	659.98	81.47
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	912.52	81.47
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	614.96	112.01
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	694.04	112.01
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,105.44	112.01
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	657.76	122.19
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	916.81	122.19
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,128.64	122.19
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,629.68	122.19
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	953.49	187.08
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,343.36	187.08
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	247.79	18.34
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	335.30	61.10
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	399.97	61.10
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	371.02	61.10
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	420.55	61.10
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	433.54	61.10
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	551.61	61.10
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	747.90	112.01
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	826.98	112.01
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,238.39	112.01
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,108.84	187.08
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,501.68	187.08
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	315.34	18.34
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.83	18.34
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.72	61.10
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	265.75	61.10
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	80.17	18.34
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	119.89	18.34
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	188.85	18.34
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	197.20	18.34
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	176.05	40.73
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	188.85	40.73
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	118.19	18.34
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	133.82	18.34
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	187.52	40.73
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	209.04	40.73
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	195.11	40.73
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.02	61.10
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.13	61.10
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	275.83	61.10
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	299.47	61.10
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	346.62	61.10
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	375.22	61.10
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	406.51	61.10
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	426.19	61.10
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.64	81.47
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	529.28	112.01
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	666.34	112.01
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	792.90	112.01
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	872.82	112.01
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	952.32	112.01
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,105.59	187.08

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.41	187.08
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	926.92	187.08
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,121.02	187.08
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,119.03	187.08
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,191.49	187.08
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,330.83	187.08
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,235.52	200.44
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,333.90	200.44
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,459.50	200.44
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,509.76	200.44
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,527.22	200.44
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,718.61	200.44
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,346.94	200.44
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,750.19	200.44
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,965.22	213.80
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,403.98	213.80
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,057.86	213.80

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	310.50	61.10
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	352.09	61.10
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	130.01	18.34
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	184.31	18.34
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	244.33	18.34
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	252.69	18.34
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	230.70	40.73
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.61	40.73
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.52	40.73
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	172.54	18.34
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	202.43	18.34
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.23	40.73
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.75	40.73
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.50	40.73
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	310.10	61.10
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.47	61.10
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.65	61.10
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	384.14	61.10
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	431.15	61.10
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.87	61.10
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	491.03	61.10
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	510.84	61.10
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	628.59	81.47

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	662.24	112.01
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	799.13	112.01
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	925.55	112.01
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,005.35	112.01
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,085.11	112.01
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	979.30	187.08
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,080.96	187.08
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,274.91	187.08
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	287.26	61.10
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	330.00	61.10
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	98.24	18.34
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	156.41	18.34
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	221.11	18.34
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	229.62	18.34
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	215.41	40.73
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.19	40.73
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	137.89	18.34
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	227.59	40.73
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	258.44	40.73
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	235.60	40.73
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.82	61.10
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	349.01	61.10
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	363.04	61.10
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.45	61.10
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	427.18	61.10
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.19	61.10
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	508.14	61.10
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	515.39	61.10
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	637.65	81.47
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	673.99	112.01
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.17	112.01
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	974.69	112.01
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,074.00	112.01
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,173.31	112.01
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,290.62	187.08
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,010.46	187.08
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,119.88	187.08
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,313.85	187.08
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,399.41	187.08
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,426.20	187.08
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,686.11	187.08
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,575.64	200.44
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,626.47	200.44

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,770.67	200.44
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,879.81	200.44
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,733.93	200.44
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,124.25	200.44
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,855.45	200.44
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,030.58	200.44
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,446.95	213.80
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,885.88	213.80
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,859.94	213.80
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.03	61.10
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.50	61.10
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	147.68	18.34
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.70	18.34
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	276.48	18.34
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	285.10	18.34
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.12	40.73
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	303.74	40.73
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.54	18.34
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	291.01	40.73
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	321.87	40.73
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	281.81	40.73
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	378.19	61.10
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	420.38	61.10
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	447.70	61.10
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	481.11	61.10
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.83	61.10
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	540.86	61.10
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	592.82	61.10
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	600.04	61.10
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	754.44	81.47
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.93	112.01
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	957.98	112.01
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,107.33	112.01
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,206.72	112.01
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,306.11	112.01
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,164.48	187.08
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,274.06	187.08
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,467.89	187.08
33 05 63 00-0261		Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	305.01	61.10
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	205.78	40.73
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	229.57	40.73
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	274.12	61.10
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	213.57	40.73
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	236.36	40.73

33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions *(33 05 63 00-0069)*

33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	229.83	61.10
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	254.62	61.10
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	297.03	81.47
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	321.38	81.47
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	387.32	112.01
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	681.00	187.08
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	654.38	187.08
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	660.19	187.08
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	867.79	200.44
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,331.60	213.80
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,718.23	213.80
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	359.93	61.10
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	375.08	61.10
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	408.02	81.47
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	432.62	81.47
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	509.04	112.01
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	826.40	187.08
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	285.88	61.10
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	315.76	61.10
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	430.19	112.01
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	839.29	200.44

33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0069)*

33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.12	8.15
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	77.08	8.15
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	71.62	8.15
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	77.27	8.15
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	77.99	8.15
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	89.11	8.15
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	102.86	8.15
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	666.04	24.05
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	584.03	24.05
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	869.67	24.05
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	879.40	24.05
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	994.98	24.05
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,083.26	24.05
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,735.04	24.05
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	65.56	8.15
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	92.85	8.15
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	94.12	8.15
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	117.77	8.15
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	89.46	8.15
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.87	8.15
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	109.57	8.15
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	222.23	8.15
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	196.28	12.22
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	245.04	12.22
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	315.37	14.26
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	442.73	18.71
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	460.78	35.64

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	119.19	8.15
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	168.88	8.15
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	191.82	8.15
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	317.31	8.15
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	263.31	12.22
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	443.05	14.26
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	581.04	18.71
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	783.61	24.05
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	697.68	24.05
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	970.91	24.05
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,261.49	24.05
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,208.48	24.05
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,829.67	24.05
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,821.16	24.05
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	156.01	8.15
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	170.36	8.15
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	223.53	8.15
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	254.39	8.15
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	437.89	8.15
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	320.14	12.22
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	436.31	12.22
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	675.04	14.26
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	773.58	18.71
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	805.51	35.64
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	931.53	24.05
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,296.84	24.05
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,810.66	24.05
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,616.75	24.05
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,673.24	24.05
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,121.19	24.05

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	87.05	8.15
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	91.86	8.15
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	93.43	8.15
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.02	8.15
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	108.11	8.15
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	69.99	8.15
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	97.39	8.15
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.27	8.15
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	122.45	8.15
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	94.56	8.15
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	114.95	8.15
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	143.82	8.15
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	199.60	12.22
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	250.15	12.22
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	466.03	35.64
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	58.72	8.15
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.35	8.15
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	100.22	8.15
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	95.84	8.15
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	79.41	8.15
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	123.72	8.15
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	133.96	8.15
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.70	8.15
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	197.06	8.15
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	268.00	12.22
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	333.66	12.22
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	611.13	35.64

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	47.84	8.15
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	56.35	8.15
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	67.80	8.15
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	72.90	8.15
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	72.76	8.15
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	85.81	8.15
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	98.64	8.15
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	236.69	12.22
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	441.68	35.64
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	658.87	24.05
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	575.94	24.05
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	856.35	24.05
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	826.70	24.05
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	987.25	24.05
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,054.70	24.05
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,680.16	24.05

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	63.14	8.15
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	61.72	8.15
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	89.79	8.15
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	98.38	8.15
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.98	8.15
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	85.07	8.15
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	94.56	8.15
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	132.92	8.15
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	192.43	12.22
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	239.33	12.22
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	236.55	12.22
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	425.31	18.71
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	441.68	21.38
33 05 63 00-0407		**Overlapping, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	685.59	24.05
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	988.24	24.05
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	575.73	35.64
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	760.48	35.64
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	812.67	24.05
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,103.95	24.05
33 05 63 00-0414		**Split, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	268.08	12.22
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	497.24	18.71
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	520.68	35.64
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	45.47	8.15
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	73.35	8.15
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	80.40	8.15
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	85.07	8.15
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	75.02	8.15
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	129.81	8.15
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	357.66	12.22
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	658.78	18.71
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	691.13	35.64
33 05 63 00-0427		**Precast Concrete Handholes With Steel Cover** *(33 05 63 00-0068)*		
		Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	670.57	189.97
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,124.25	284.96
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*91.32*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,365.78	379.94
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*156.03*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,417.49	379.94
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*194.91*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,668.85	474.93
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*232.75*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,754.88	474.93
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*261.13*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,029.31	569.92
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*303.35*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,330.94	664.90
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*438.98*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,284.30	569.92
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*492.67*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,306.23	569.92
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*322.47*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	530.19	189.97
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	623.87	213.72
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	763.73	237.46
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	438.82	61.51
33 05 84 00-0005	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Slab	519.07	63.96
33 05 84 00-0006	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	609.15	66.43
33 05 84 00-0007	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	819.72	71.34
33 05 84 00-0008	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	979.42	76.27

33 05 84 00-0009 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0010	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	693.14	76.88
33 05 84 00-0011	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	769.70	79.96
33 05 84 00-0012	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	846.29	83.03
33 05 84 00-0013	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	995.31	88.16
33 05 84 00-0014	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,148.46	94.31

33 05 84 00-0015 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0016 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0015)*

33 05 84 00-0017	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	70.09
33 05 84 00-0018	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	103.79
33 05 84 00-0019	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	116.98
33 05 84 00-0020	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	177.88
33 05 84 00-0021	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	248.96
33 05 84 00-0022	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	329.18
33 05 84 00-0023	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	595.06
33 05 84 00-0024	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	826.92
33 05 84 00-0025	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,306.88
33 05 84 00-0026	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,538.04

33 05 84 00-0027 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0015)*

Note: Fernco CMA.

33 05 84 00-0028	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	67.48
33 05 84 00-0029	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	93.54
33 05 84 00-0030	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	118.14
33 05 84 00-0031	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	142.62
33 05 84 00-0032	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	165.50

33 05 84 00-0033 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0015)*

33 05 84 00-0034	EA	Seal Gap Between Pipe And Structure With Brick And Grout	171.76

33 05 84 00-0035 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0036	EA	Single Channel Concrete Invert For Manholes	363.53
33 05 84 00-0037	EA	Double Channel Concrete Invert For Manholes	523.80
33 05 84 00-0038	EA	Triple Channel Concrete Invert For Manholes	705.63
33 05 84 00-0039	EA	Quad Channel Concrete Invert For Manholes	887.42
33 05 84 00-0040	EA	Single Channel Brick Invert For Manholes	550.45
33 05 84 00-0041	EA	Double Channel Brick Invert For Manholes	823.82
33 05 84 00-0042	EA	Triple Channel Brick Invert For Manholes	1,101.82
33 05 84 00-0043	EA	Quad Channel Brick Invert For Manholes	1,376.98

33 05 84 00-0044 Steps For Cast-In-Place Manholes *(33 05 84 00-0001)*

See CSI section 33 01 30 81-0032 for installation of steps in existing manholes.

33 05 84 00-0045	EA	Cast Iron Manhole Step For New Manholes	56.11
33 05 84 00-0046	EA	Galvanized Steel Manhole Step For New Manholes	43.06
33 05 84 00-0047	EA	Aluminum Manhole Step For New Manholes	55.33
33 05 84 00-0048	EA	Polypropylene Manhole Step For New Manholes	34.21

33 05 84 00-0049 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0050 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0049)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0051	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	144.19	
		For 80 Mil Material, Add	*19.51*	
		For 100 Mil Material, Add	*39.02*	
		For 125 Mil Material, Add	*61.33*	
		For 150 Mil Material, Add	*83.65*	
		For 200 Mil Material, Add	*122.75*	
		For 2 To 5 Manholes, Deduct	*-9.97*	
		For 6 To 10 Manholes, Deduct	*-16.34*	
		For >10 Manholes, Deduct	*-32.68*	
33 05 84 00-0052	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	174.38	
		For 80 Mil Material, Add	*23.23*	
		For 100 Mil Material, Add	*46.46*	
		For 125 Mil Material, Add	*72.97*	
		For 150 Mil Material, Add	*99.47*	
		For 200 Mil Material, Add	*145.73*	
		For 2 To 5 Manholes, Deduct	*-12.10*	
		For 6 To 10 Manholes, Deduct	*-19.83*	
		For >10 Manholes, Deduct	*-39.67*	
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	192.23	
		For 80 Mil Material, Add	*26.01*	
		For 100 Mil Material, Add	*52.02*	
		For 125 Mil Material, Add	*81.77*	
		For 150 Mil Material, Add	*111.51*	
		For 200 Mil Material, Add	*163.64*	
		For 2 To 5 Manholes, Deduct	*-13.30*	
		For 6 To 10 Manholes, Deduct	*-21.79*	
		For >10 Manholes, Deduct	*-43.57*	
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	240.33	
		For 80 Mil Material, Add	*32.52*	
		For 100 Mil Material, Add	*65.05*	
		For 125 Mil Material, Add	*102.25*	
		For 150 Mil Material, Add	*139.46*	
		For 200 Mil Material, Add	*204.65*	
		For 2 To 5 Manholes, Deduct	*-16.62*	
		For 6 To 10 Manholes, Deduct	*-27.23*	
		For >10 Manholes, Deduct	*-54.47*	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	278.57	
		For 80 Mil Material, Add	*38.29*	
		For 100 Mil Material, Add	*76.58*	
		For 125 Mil Material, Add	*120.49*	
		For 150 Mil Material, Add	*164.39*	
		For 200 Mil Material, Add	*241.64*	
		For 2 To 5 Manholes, Deduct	*-19.21*	
		For 6 To 10 Manholes, Deduct	*-31.45*	
		For >10 Manholes, Deduct	*-62.91*	

33 05 84 00-0056 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0049)*

Note: For new manholes and shop applied.

33 05 84 00-0057	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	158.24
33 05 84 00-0058	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	193.97
33 05 84 00-0059	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	236.70
33 05 84 00-0060	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.25
33 05 84 00-0061	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	357.80
33 05 84 00-0062	SF	Polyvinyl Chloride (PVC) Liner At Structures	35.18

33 05 84 00-0063 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0064 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0065	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	66.23
33 05 84 00-0066	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	72.10
33 05 84 00-0067	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	77.96
33 05 84 00-0068	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	83.83

33 05 84 00-0069 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0070	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	74.33
33 05 84 00-0071	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	81.00
33 05 84 00-0072	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	87.67
33 05 84 00-0073	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	94.33

33 05 84 00-0074 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0075	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	82.27
33 05 84 00-0076	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	89.70
33 05 84 00-0077	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	97.13
33 05 84 00-0078	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	104.57

33 05 84 00-0079 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0080 Bentonite Collar At Manhole Connections *(33 05 84 00-0079)*

33 05 84 00-0081	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	106.98

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0082	EA	>12" To 21", Bentonite Collar At Manhole Connection	169.67	
33 05 84 00-0083	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	270.91	
33 05 84 00-0084	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	635.59	
33 05 84 00-0085	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	977.67	
33 05 84 00-0086	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,771.26	

33 05 84 00-0087 Manhole Covers And Frames *(33 05 84)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 84 00-0088 Regular Manhole Covers And Frames, City Type *(33 05 84 00-0087)*

33 05 84 00-0089	EA	18" Square, Gray Iron, Manhole Cover With Frame	810.72	70.52
		For Ductile Iron Castings, Add	*418.25*	
		For Heavy Duty, Add	*294.41*	
33 05 84 00-0090	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	503.25	70.52
		For Ductile Iron Castings, Add	*203.02*	
		For Heavy Duty, Add	*186.80*	
33 05 84 00-0091	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	581.36	82.00
		For Ductile Iron Castings, Add	*234.73*	
		For Heavy Duty, Add	*215.78*	
33 05 84 00-0092	EA	24" Square, Gray Iron, Manhole Cover With Frame	856.00	91.03
		For Ductile Iron Castings, Add	*407.85*	
		For Heavy Duty, Add	*313.27*	
33 05 84 00-0093	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	758.63	98.41
		For Ductile Iron Castings, Add	*323.55*	
		For Heavy Duty, Add	*280.34*	
33 05 84 00-0094	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	790.57	102.51
		For Ductile Iron Castings, Add	*338.14*	
		For Heavy Duty, Add	*292.08*	

33 05 84 00-0095 Watertight Type Manhole Covers And Frames *(33 05 84 00-0087)*

33 05 84 00-0096	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	773.38	58.23
		For Ductile Iron Castings, Add	*379.13*	
33 05 84 00-0097	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	794.25	58.23
		For Ductile Iron Castings, Add	*380.38*	
33 05 84 00-0098	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	820.34	68.07
		For Ductile Iron Castings, Add	*382.89*	
33 05 84 00-0099	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	959.71	76.27
		For Ductile Iron Castings, Add	*464.31*	
33 05 84 00-0100	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,090.56	77.91
		For Ductile Iron Castings, Add	*548.13*	
33 05 84 00-0101	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,140.67	79.55
		For Ductile Iron Castings, Add	*580.39*	
33 05 84 00-0102	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,185.92	82.00
		For Ductile Iron Castings, Add	*609.13*	

33 05 84 00-0103 Aluminum Manhole Covers And Frames *(33 05 84 00-0087)*

33 05 84 00-0104	EA	12" Square Aluminum Manhole Cover With Frame	633.33	23.89
33 05 84 00-0105	EA	18" Square Aluminum Manhole Cover With Frame	1,141.19	26.45
33 05 84 00-0106	EA	24" Square Aluminum Manhole Cover With Frame	1,628.81	30.71

33 05 84 00-0107 Remove And Reinstall Manhole Cover And Frame *(33 05 84 00-0087)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 84 00-0108	EA	Removal And Reinstallation Of Manhole Cover And Frame	328.80	

33 05 84 00-0109 Rainguard Inflow Protectors *(33 05 84 00-0087)*

33 05 84 00-0110	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	95.55	17.32
33 05 84 00-0111	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	108.43	17.32
33 05 84 00-0112	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	129.70	20.79
33 05 84 00-0113	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	137.84	20.79
33 05 84 00-0114	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	169.83	24.24
33 05 84 00-0115	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	179.83	24.24

33 05 84 00-0116 Waste Water Collection System Taps *(33 05 84)*

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0117 Brick Manhole Taps *(33 05 84 00-0116)*

33 05 84 00-0118	EA	4" Tap In 6" Brick Manhole	417.78	
33 05 84 00-0119	EA	6" Tap In 6" Brick Manhole	465.79	
33 05 84 00-0120	EA	8" Tap In 6" Brick Manhole	512.92	
33 05 84 00-0121	EA	10" Tap In 6" Brick Manhole	559.97	
33 05 84 00-0122	EA	12" Tap In 6" Brick Manhole	619.52	
33 05 84 00-0123	EA	15" Tap In 6" Brick Manhole	666.47	

33 05 84 00-0124 Precast Concrete Manhole Tap *(33 05 84 00-0116)*

33 05 84 00-0125	EA	4" Tap In Existing Precast Concrete Manhole	593.13	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0126	EA	6" Tap In Existing Precast Concrete Manhole	665.12	
33 05 84 00-0127	EA	8" Tap In Existing Precast Concrete Manhole	742.69	
33 05 84 00-0128	EA	10" Tap In Existing Precast Concrete Manhole	813.27	
33 05 84 00-0129	EA	12" Tap In Existing Precast Concrete Manhole	883.70	
33 05 84 00-0130	EA	15" Tap In Existing Precast Concrete Manhole	955.83	
33 05 84 00-0131	EA	18" Tap In Existing Precast Concrete Manhole	1,096.07	
33 05 84 00-0132	EA	24" Tap In Existing Precast Concrete Manhole	1,406.25	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	5.43	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	7.33	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	5.41	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	7.16	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	10.99	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*
Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	772.96	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	949.64	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,424.44	

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*
Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	18.40	
		For >100 To 250, Add	*0.46*	
		For >250 To 400, Add	*0.92*	
		For >400 To 600, Add	*1.38*	
		For >600 To 750, Add	*1.84*	
		For >750, Add	*2.30*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	21.84	
		For >100 To 250, Add	*0.55*	
		For >250 To 400, Add	*1.09*	
		For >400 To 600, Add	*1.64*	
		For >600 To 750, Add	*2.18*	
		For >750, Add	*2.73*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	29.21	
		For >100 To 250, Add	*0.73*	
		For >250 To 400, Add	*1.46*	
		For >400 To 600, Add	*2.19*	
		For >600 To 750, Add	*2.92*	
		For >750, Add	*3.65*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	45.70	
		For >100 To 250, Add	*1.14*	
		For >250 To 400, Add	*2.29*	
		For >400 To 600, Add	*3.43*	
		For >600 To 750, Add	*4.57*	
		For >750, Add	*5.71*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	65.77	
		For >100 To 250, Add	*1.64*	
		For >250 To 400, Add	*3.29*	
		For >400 To 600, Add	*4.93*	
		For >600 To 750, Add	*6.58*	
		For >750, Add	*8.22*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	85.94	
		For >100 To 250, Add	*2.15*	
		For >250 To 400, Add	*4.30*	
		For >400 To 600, Add	*6.45*	
		For >600 To 750, Add	*8.59*	
		For >750, Add	*10.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	102.09	
		For >100 To 250, Add	*2.55*	
		For >250 To 400, Add	*5.10*	
		For >400 To 600, Add	*7.66*	
		For >600 To 750, Add	*10.21*	
		For >750, Add	*12.76*	
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	118.70	
		For >100 To 250, Add	*2.97*	
		For >250 To 400, Add	*5.94*	
		For >400 To 600, Add	*8.90*	
		For >600 To 750, Add	*11.87*	
		For >750, Add	*14.84*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	139.48	
		For >100 To 250, Add	*3.49*	
		For >250 To 400, Add	*6.97*	
		For >400 To 600, Add	*10.46*	
		For >600 To 750, Add	*13.95*	
		For >750, Add	*17.44*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	164.41	
		For >100 To 250, Add	*4.11*	
		For >250 To 400, Add	*8.22*	
		For >400 To 600, Add	*12.33*	
		For >600 To 750, Add	*16.44*	
		For >750, Add	*20.55*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	177.70	
		For >100 To 250, Add	*4.44*	
		For >250 To 400, Add	*8.89*	
		For >400 To 600, Add	*13.33*	
		For >600 To 750, Add	*17.77*	
		For >750, Add	*22.21*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	195.50	
		For >100 To 250, Add	*4.89*	
		For >250 To 400, Add	*9.78*	
		For >400 To 600, Add	*14.66*	
		For >600 To 750, Add	*19.55*	
		For >750, Add	*24.44*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	214.14	
		For >100 To 250, Add	*5.35*	
		For >250 To 400, Add	*10.71*	
		For >400 To 600, Add	*16.06*	
		For >600 To 750, Add	*21.41*	
		For >750, Add	*26.77*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	266.37	
		For >100 To 250, Add	*6.66*	
		For >250 To 400, Add	*13.32*	
		For >400 To 600, Add	*19.98*	
		For >600 To 750, Add	*26.64*	
		For >750, Add	*33.30*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	37.51	
		For >100 To 250, Add	*0.94*	
		For >250 To 400, Add	*1.88*	
		For >400 To 600, Add	*2.81*	
		For >600 To 750, Add	*3.75*	
		For >750, Add	*4.69*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	43.68	
		For >100 To 250, Add	*1.09*	
		For >250 To 400, Add	*2.18*	
		For >400 To 600, Add	*3.28*	
		For >600 To 750, Add	*4.37*	
		For >750, Add	*5.46*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	69.94	
		For >100 To 250, Add	*1.75*	
		For >250 To 400, Add	*3.50*	
		For >400 To 600, Add	*5.25*	
		For >600 To 750, Add	*6.99*	
		For >750, Add	*8.74*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	91.45	
		For >100 To 250, Add	*2.29*	
		For >250 To 400, Add	*4.57*	
		For >400 To 600, Add	*6.86*	
		For >600 To 750, Add	*9.15*	
		For >750, Add	*11.43*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	131.62	
		For >100 To 250, Add	*3.29*	
		For >250 To 400, Add	*6.58*	
		For >400 To 600, Add	*9.87*	
		For >600 To 750, Add	*13.16*	
		For >750, Add	*16.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	171.79	
		For >100 To 250, Add	*4.29*	
		For >250 To 400, Add	*8.59*	
		For >400 To 600, Add	*12.88*	
		For >600 To 750, Add	*17.18*	
		For >750, Add	*21.47*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	204.26	
		For >100 To 250, Add	*5.11*	
		For >250 To 400, Add	*10.21*	
		For >400 To 600, Add	*15.32*	
		For >600 To 750, Add	*20.43*	
		For >750, Add	*25.53*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	237.02	
		For >100 To 250, Add	*5.93*	
		For >250 To 400, Add	*11.85*	
		For >400 To 600, Add	*17.78*	
		For >600 To 750, Add	*23.70*	
		For >750, Add	*29.63*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	279.19	
		For >100 To 250, Add	*6.98*	
		For >250 To 400, Add	*13.96*	
		For >400 To 600, Add	*20.94*	
		For >600 To 750, Add	*27.92*	
		For >750, Add	*34.90*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	322.49	
		For >100 To 250, Add	*8.06*	
		For >250 To 400, Add	*16.12*	
		For >400 To 600, Add	*24.19*	
		For >600 To 750, Add	*32.25*	
		For >750, Add	*40.31*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	355.40	
		For >100 To 250, Add	*8.89*	
		For >250 To 400, Add	*17.77*	
		For >400 To 600, Add	*26.66*	
		For >600 To 750, Add	*35.54*	
		For >750, Add	*44.43*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	391.01	
		For >100 To 250, Add	*9.78*	
		For >250 To 400, Add	*19.55*	
		For >400 To 600, Add	*29.33*	
		For >600 To 750, Add	*39.10*	
		For >750, Add	*48.88*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	428.29	
		For >100 To 250, Add	*10.71*	
		For >250 To 400, Add	*21.41*	
		For >400 To 600, Add	*32.12*	
		For >600 To 750, Add	*42.83*	
		For >750, Add	*53.54*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	532.74	
		For >100 To 250, Add	*13.32*	
		For >250 To 400, Add	*26.64*	
		For >400 To 600, Add	*39.96*	
		For >600 To 750, Add	*53.27*	
		For >750, Add	*66.59*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	77.16	
		For >100 To 250, Add	*1.93*	
		For >250 To 400, Add	*3.86*	
		For >400 To 600, Add	*5.79*	
		For >600 To 750, Add	*7.72*	
		For >750, Add	*9.65*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	89.03	
		For >100 To 250, Add	*2.23*	
		For >250 To 400, Add	*4.45*	
		For >400 To 600, Add	*6.68*	
		For >600 To 750, Add	*8.90*	
		For >750, Add	*11.13*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	102.09	
		For >100 To 250, Add	*2.55*	
		For >250 To 400, Add	*5.10*	
		For >400 To 600, Add	*7.66*	
		For >600 To 750, Add	*10.21*	
		For >750, Add	*12.76*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	129.38	
		For >100 To 250, Add	*3.23*	
		For >250 To 400, Add	*6.47*	
		For >400 To 600, Add	*9.70*	
		For >600 To 750, Add	*12.94*	
		For >750, Add	*16.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	167.37	
		For >100 To 250, Add	*4.18*	
		For >250 To 400, Add	*8.37*	
		For >400 To 600, Add	*12.55*	
		For >600 To 750, Add	*16.74*	
		For >750, Add	*20.92*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	243.34	
		For >100 To 250, Add	*6.08*	
		For >250 To 400, Add	*12.17*	
		For >400 To 600, Add	*18.25*	
		For >600 To 750, Add	*24.33*	
		For >750, Add	*30.42*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	289.64	
		For >100 To 250, Add	*7.24*	
		For >250 To 400, Add	*14.48*	
		For >400 To 600, Add	*21.72*	
		For >600 To 750, Add	*28.96*	
		For >750, Add	*36.21*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	335.93	
		For >100 To 250, Add	*8.40*	
		For >250 To 400, Add	*16.80*	
		For >400 To 600, Add	*25.19*	
		For >600 To 750, Add	*33.59*	
		For >750, Add	*41.99*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	395.28	
		For >100 To 250, Add	*9.88*	
		For >250 To 400, Add	*19.76*	
		For >400 To 600, Add	*29.65*	
		For >600 To 750, Add	*39.53*	
		For >750, Add	*49.41*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	457.01	
		For >100 To 250, Add	*11.43*	
		For >250 To 400, Add	*22.85*	
		For >400 To 600, Add	*34.28*	
		For >600 To 750, Add	*45.70*	
		For >750, Add	*57.13*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	26.21	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 400, Deduct	*-1.48*	
		For >400 To 600, Deduct	*-2.22*	
		For >600 To 750, Deduct	*-2.96*	
		For >750, Deduct	*-3.92*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	32.60	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 400, Deduct	*-1.84*	
		For >400 To 600, Deduct	*-2.76*	
		For >600 To 750, Deduct	*-3.68*	
		For >750, Deduct	*-4.88*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	47.60	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.95*	
		For >600 To 750, Deduct	*-5.27*	
		For >750, Deduct	*-6.92*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	78.53	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 400, Deduct	*-4.23*	
		For >400 To 600, Deduct	*-6.35*	
		For >600 To 750, Deduct	*-8.46*	
		For >750, Deduct	*-10.98*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	88.98	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 400, Deduct	*-4.87*	
		For >400 To 600, Deduct	*-7.31*	
		For >600 To 750, Deduct	*-9.75*	
		For >750, Deduct	*-12.73*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	104.77	
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 400, Deduct	*-5.76*	
		For >400 To 600, Deduct	*-8.65*	
		For >600 To 750, Deduct	*-11.53*	
		For >750, Deduct	*-15.10*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	120.23	
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 400, Deduct	*-6.67*	
		For >400 To 600, Deduct	*-10.01*	
		For >600 To 750, Deduct	*-13.35*	
		For >750, Deduct	*-17.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	137.74	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 400, Deduct	*-7.70*	
		For >400 To 600, Deduct	*-11.55*	
		For >600 To 750, Deduct	*-15.40*	
		For >750, Deduct	*-20.31*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	160.59	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 400, Deduct	*-8.95*	
		For >400 To 600, Deduct	*-13.42*	
		For >600 To 750, Deduct	*-17.89*	
		For >750, Deduct	*-23.56*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	0.92	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 750, Deduct	*-0.12*	
		For >750, Deduct	*-0.16*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	65.53	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 400, Deduct	*-3.45*	
		For >400 To 600, Deduct	*-5.17*	
		For >600 To 750, Deduct	*-6.89*	
		For >750, Deduct	*-8.84*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	98.42	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 400, Deduct	*-5.13*	
		For >400 To 600, Deduct	*-7.70*	
		For >600 To 750, Deduct	*-10.27*	
		For >750, Deduct	*-13.11*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	137.51	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 400, Deduct	*-7.15*	
		For >400 To 600, Deduct	*-10.72*	
		For >600 To 750, Deduct	*-14.29*	
		For >750, Deduct	*-18.22*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	159.90	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 400, Deduct	*-8.32*	
		For >400 To 600, Deduct	*-12.48*	
		For >600 To 750, Deduct	*-16.63*	
		For >750, Deduct	*-21.21*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	145.64	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 400, Deduct	*-7.76*	
		For >400 To 600, Deduct	*-11.64*	
		For >600 To 750, Deduct	*-15.51*	
		For >750, Deduct	*-20.01*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	168.73	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 400, Deduct	*-8.98*	
		For >400 To 600, Deduct	*-13.47*	
		For >600 To 750, Deduct	*-17.96*	
		For >750, Deduct	*-23.15*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	202.80	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 400, Deduct	*-10.75*	
		For >400 To 600, Deduct	*-16.13*	
		For >600 To 750, Deduct	*-21.50*	
		For >750, Deduct	*-27.67*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	232.21	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 400, Deduct	*-12.31*	
		For >400 To 600, Deduct	*-18.46*	
		For >600 To 750, Deduct	*-24.61*	
		For >750, Deduct	*-31.67*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	256.41	
		For >100 To 250, Deduct	*-7.21*	
		For >250 To 400, Deduct	*-13.62*	
		For >400 To 600, Deduct	*-20.43*	
		For >600 To 750, Deduct	*-27.24*	
		For >750, Deduct	*-35.08*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	336.02	
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 400, Deduct	*-17.75*	
		For >400 To 600, Deduct	*-26.63*	
		For >600 To 750, Deduct	*-35.50*	
		For >750, Deduct	*-45.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	442.75	
		For >100 To 250, Deduct	*-12.26*	
		For >250 To 400, Deduct	*-23.33*	
		For >400 To 600, Deduct	*-34.99*	
		For >600 To 750, Deduct	*-46.65*	
		For >750, Deduct	*-59.86*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	36.43	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 400, Deduct	*-1.96*	
		For >400 To 600, Deduct	*-2.94*	
		For >600 To 750, Deduct	*-3.91*	
		For >750, Deduct	*-5.07*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	57.86	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 400, Deduct	*-3.11*	
		For >400 To 600, Deduct	*-4.66*	
		For >600 To 750, Deduct	*-6.21*	
		For >750, Deduct	*-8.04*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	87.44	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 400, Deduct	*-4.69*	
		For >400 To 600, Deduct	*-7.04*	
		For >600 To 750, Deduct	*-9.39*	
		For >750, Deduct	*-12.15*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	103.16	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 400, Deduct	*-5.55*	
		For >400 To 600, Deduct	*-8.32*	
		For >600 To 750, Deduct	*-11.10*	
		For >750, Deduct	*-14.38*	

33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

33 11 13 00-0080	LF	2" Stainless Steel Well Screen	20.26	1.35
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 400, Deduct	*-1.19*	
		For >400 To 600, Deduct	*-1.78*	
		For >600 To 750, Deduct	*-2.37*	
		For >750, Deduct	*-3.19*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	32.26	1.35
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 400, Deduct	*-1.80*	
		For >400 To 600, Deduct	*-2.70*	
		For >600 To 750, Deduct	*-3.60*	
		For >750, Deduct	*-4.75*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	40.52	2.04
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 400, Deduct	*-2.26*	
		For >400 To 600, Deduct	*-3.40*	
		For >600 To 750, Deduct	*-4.53*	
		For >750, Deduct	*-5.97*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	51.26	2.04
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 400, Deduct	*-2.85*	
		For >400 To 600, Deduct	*-4.27*	
		For >600 To 750, Deduct	*-5.69*	
		For >750, Deduct	*-7.48*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	61.43	2.72
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 400, Deduct	*-3.45*	
		For >400 To 600, Deduct	*-5.17*	
		For >600 To 750, Deduct	*-6.90*	
		For >750, Deduct	*-9.11*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	80.19	3.39
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 400, Deduct	*-4.49*	
		For >400 To 600, Deduct	*-6.74*	
		For >600 To 750, Deduct	*-8.98*	
		For >750, Deduct	*-11.86*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	101.70	5.43
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 400, Deduct	*-5.74*	
		For >400 To 600, Deduct	*-8.60*	
		For >600 To 750, Deduct	*-11.47*	
		For >750, Deduct	*-15.19*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	119.31	6.79
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 400, Deduct	*-6.73*	
		For >400 To 600, Deduct	*-10.09*	
		For >600 To 750, Deduct	*-13.45*	
		For >750, Deduct	*-17.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	130.94	7.47
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 400, Deduct	*-7.42*	
		For >400 To 600, Deduct	*-11.13*	
		For >600 To 750, Deduct	*-14.84*	
		For >750, Deduct	*-19.69*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	141.68	8.83
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 400, Deduct	*-8.07*	
		For >400 To 600, Deduct	*-12.10*	
		For >600 To 750, Deduct	*-16.14*	
		For >750, Deduct	*-21.45*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	170.01	10.18
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 400, Deduct	*-9.71*	
		For >400 To 600, Deduct	*-14.57*	
		For >600 To 750, Deduct	*-19.43*	
		For >750, Deduct	*-25.86*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	214.44	12.89
		For >100 To 250, Deduct	*-6.88*	
		For >250 To 400, Deduct	*-12.25*	
		For >400 To 600, Deduct	*-18.37*	
		For >600 To 750, Deduct	*-24.49*	
		For >750, Deduct	*-32.59*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	278.15	16.97
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 400, Deduct	*-15.90*	
		For >400 To 600, Deduct	*-23.86*	
		For >600 To 750, Deduct	*-31.81*	
		For >750, Deduct	*-42.36*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	320.79	19.69
		For >100 To 250, Deduct	*-10.28*	
		For >250 To 400, Deduct	*-18.30*	
		For >400 To 600, Deduct	*-27.45*	
		For >600 To 750, Deduct	*-36.61*	
		For >750, Deduct	*-48.70*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	11.12	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 750, Deduct	*-1.36*	
		For >750, Deduct	*-1.86*	
		For Schedule 80, Add	*2.47*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	12.68	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.15*	
		For >600 To 750, Deduct	*-1.53*	
		For >750, Deduct	*-2.09*	
		For Schedule 80, Add	*2.96*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	18.08	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 400, Deduct	*-1.14*	
		For >400 To 600, Deduct	*-1.71*	
		For >600 To 750, Deduct	*-2.28*	
		For >750, Deduct	*-3.16*	
		For Schedule 80, Add	*3.46*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	26.23	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 400, Deduct	*-1.57*	
		For >400 To 600, Deduct	*-2.35*	
		For >600 To 750, Deduct	*-3.13*	
		For >750, Deduct	*-4.25*	
		For Schedule 80, Add	*6.42*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	33.00	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 400, Deduct	*-1.97*	
		For >400 To 600, Deduct	*-2.96*	
		For >600 To 750, Deduct	*-3.94*	
		For >750, Deduct	*-5.35*	
		For Schedule 80, Add	*8.04*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	41.25	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 400, Deduct	*-2.45*	
		For >400 To 600, Deduct	*-3.67*	
		For >600 To 750, Deduct	*-4.89*	
		For >750, Deduct	*-6.61*	
		For Schedule 80, Add	*10.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	45.74	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 400, Deduct	*-2.80*	
		For >400 To 600, Deduct	*-4.20*	
		For >600 To 750, Deduct	*-5.60*	
		For >750, Deduct	*-7.66*	
		For Schedule 80, Add	*10.12*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	65.64	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 400, Deduct	*-3.94*	
		For >400 To 600, Deduct	*-5.90*	
		For >600 To 750, Deduct	*-7.87*	
		For >750, Deduct	*-10.69*	
		For Schedule 80, Add	*15.79*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	12.16	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.20*	
		For >600 To 750, Deduct	*-1.61*	
		For >750, Deduct	*-2.26*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	18.19	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 400, Deduct	*-1.22*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 750, Deduct	*-2.43*	
		For >750, Deduct	*-3.44*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	25.73	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 400, Deduct	*-1.74*	
		For >400 To 600, Deduct	*-2.61*	
		For >600 To 750, Deduct	*-3.48*	
		For >750, Deduct	*-4.95*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	32.74	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 400, Deduct	*-2.20*	
		For >400 To 600, Deduct	*-3.30*	
		For >600 To 750, Deduct	*-4.41*	
		For >750, Deduct	*-6.24*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	40.10	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 400, Deduct	*-2.68*	
		For >400 To 600, Deduct	*-4.02*	
		For >600 To 750, Deduct	*-5.36*	
		For >750, Deduct	*-7.58*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	51.37	
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 400, Deduct	*-3.40*	
		For >400 To 600, Deduct	*-5.10*	
		For >600 To 750, Deduct	*-6.81*	
		For >750, Deduct	*-9.59*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	58.72	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 400, Deduct	*-3.88*	
		For >400 To 600, Deduct	*-5.82*	
		For >600 To 750, Deduct	*-7.76*	
		For >750, Deduct	*-10.92*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	70.15	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 400, Deduct	*-4.66*	
		For >400 To 600, Deduct	*-6.99*	
		For >600 To 750, Deduct	*-9.32*	
		For >750, Deduct	*-13.14*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	79.61	
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 400, Deduct	*-5.30*	
		For >400 To 600, Deduct	*-7.95*	
		For >600 To 750, Deduct	*-10.60*	
		For >750, Deduct	*-14.97*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	85.21	
		For >100 To 250, Deduct	*-3.51*	
		For >250 To 400, Deduct	*-5.64*	
		For >400 To 600, Deduct	*-8.46*	
		For >600 To 750, Deduct	*-11.28*	
		For >750, Deduct	*-15.90*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	102.29	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 400, Deduct	*-6.81*	
		For >400 To 600, Deduct	*-10.22*	
		For >600 To 750, Deduct	*-13.62*	
		For >750, Deduct	*-19.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	119.73	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 400, Deduct	*-8.06*	
		For >400 To 600, Deduct	*-12.09*	
		For >600 To 750, Deduct	*-16.11*	
		For >750, Deduct	*-22.83*	
33 11 13 00-0117		**Develop Well** *(33 11 13 00-0001)*		
		Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well	274.01	
33 11 13 00-0119		**Pump Test** *(33 11 13 00-0001)*		
		Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	246.16	
33 11 13 00-0121		**Test Well** *(33 11 13 00-0001)*		
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	76.70	
33 11 13 00-0123		**Surface Seal, Concrete Filled** *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	26.70	
33 11 13 00-0125		**Other Water Well** *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	70.30	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.08	
33 11 13 00-0128	SF	1" Pressure Grout Well	3.42	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	4.24	
33 11 13 00-0130		**Sterilization Of Well** *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,306.91	
33 11 13 00-0132		**Submersible Well Pumps** *(33 11 13)*		
		Note: Includes pump end, motor and control box.		
33 11 13 00-0133		**4" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0134		**Powder Coated Case And Cast Iron Ends** *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,162.25	375.30
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,327.00	415.98
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,472.59	462.20
33 11 13 00-0138		**Stainless Steel Case And Ends** *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,327.28	369.76
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,515.79	415.98
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,700.91	462.20
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,956.11	508.42
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,221.49	554.63
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,745.46	647.07
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,480.79	739.52
33 11 13 00-0146		**6" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,309.14	924.39
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,834.12	1,016.83
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,380.81	1,109.27
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,560.99	1,294.15

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 **Ductile Iron Piping** *(33 14 13 13)*

33 14 13 13-0002 **Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0500 for bolts and gaskets.

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0003		Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)* Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	27.52	10.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*8.67*	
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*1.24*	
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*6.69*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*2.23*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*0.93*	
		For >1,000, Deduct	*-1.38*	
		For Class 52, Add	*2.80*	
		For Class 53, Add	*7.21*	
		For Class 54, Add	*10.25*	
		For Class 55, Add	*11.83*	
		For Class 56, Add	*13.38*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	29.74	10.65
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*9.53*	
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*1.36*	
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.35*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*2.45*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*1.02*	
		For >1,000, Deduct	*-1.49*	
		For Class 51, Add	*1.38*	
		For Class 52, Add	*3.06*	
		For Class 53, Add	*7.90*	
		For Class 54, Add	*11.24*	
		For Class 55, Add	*12.96*	
		For Class 56, Add	*14.66*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	31.66	11.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*10.34*	
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*1.48*	
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.98*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*2.66*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*1.11*	
		For >1,000, Deduct	*-1.58*	
		For Class 51, Add	*1.49*	
		For Class 52, Add	*3.30*	
		For Class 53, Add	*8.55*	
		For Class 54, Add	*12.16*	
		For Class 55, Add	*14.03*	
		For Class 56, Add	*15.87*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	36.49	11.61
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.23*	
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*1.89*	
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.21*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*3.40*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*1.42*	
		For >1,000, Deduct	*-1.82*	
		For Class 51, Add	*1.85*	
		For Class 52, Add	*4.13*	
		For Class 53, Add	*10.79*	
		For Class 54, Add	*15.36*	
		For Class 55, Add	*17.70*	
		For Class 56, Add	*20.00*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	49.66	16.56
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*14.75*	
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*2.46*	
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.29*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*4.42*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*1.84*	
		For >1,000, Deduct	*-2.48*	
		For Class 51, Add	*2.43*	
		For Class 52, Add	*5.42*	
		For Class 53, Add	*14.11*	
		For Class 54, Add	*20.09*	
		For Class 55, Add	*23.16*	
		For Class 56, Add	*26.18*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	59.27	18.39
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.70*	
		For Cement Mortar Lining (CML), Add	*3.14*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.56*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.36*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.96*	
		For Class 51, Add	*3.06*	
		For Class 52, Add	*6.82*	
		For Class 53, Add	*17.87*	
		For Class 54, Add	*25.46*	
		For Class 55, Add	*29.33*	
		For Class 56, Add	*33.13*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	70.29	20.65
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.13*	
		For Cement Mortar Lining (CML), Add	*3.89*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.24*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.51*	
		For Class 51, Add	*3.75*	
		For Class 52, Add	*8.38*	
		For Class 53, Add	*22.04*	
		For Class 54, Add	*31.41*	
		For Class 55, Add	*36.17*	
		For Class 56, Add	*40.84*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	79.48	23.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.90*	
		For Cement Mortar Lining (CML), Add	*4.37*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.53*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.27*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.97*	
		For Class 51, Add	*4.21*	
		For Class 52, Add	*9.41*	
		For Class 53, Add	*24.74*	
		For Class 54, Add	*35.24*	
		For Class 55, Add	*40.59*	
		For Class 56, Add	*45.84*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	97.78	27.59
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*22.95*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.89*	
		For Class 51, Add	*5.35*	
		For Class 52, Add	*11.97*	
		For Class 53, Add	*31.57*	
		For Class 54, Add	*44.99*	
		For Class 55, Add	*51.79*	
		For Class 56, Add	*58.47*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	111.81	33.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.43*	
		For Cement Mortar Lining (CML), Add	*6.17*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.26*	
		For Fusion Bonded Epoxy Lining (206N), Add	*11.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.59*	
		For Class 51, Add	*5.95*	
		For Class 52, Add	*13.28*	
		For Class 53, Add	*34.92*	
		For Class 54, Add	*49.76*	
		For Class 55, Add	*57.29*	
		For Class 56, Add	*64.70*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	145.44	41.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*25.65*	
		For Cement Mortar Lining (CML), Add	*8.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.27*	
		For Class 51, Add	*7.92*	
		For Class 52, Add	*17.71*	
		For Class 53, Add	*46.69*	
		For Class 54, Add	*66.55*	
		For Class 55, Add	*76.61*	
		For Class 56, Add	*86.49*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	183.56	44.56
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*36.17*	
		For Cement Mortar Lining (CML), Add	*11.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.75*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.18*	
		For Class 51, Add	*10.91*	
		For Class 52, Add	*24.44*	
		For Class 53, Add	*65.04*	
		For Class 54, Add	*92.77*	
		For Class 55, Add	*106.68*	
		For Class 56, Add	*120.35*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	216.96	47.31
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*45.23*	
		For Cement Mortar Lining (CML), Add	*14.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.94*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.85*	
		For Class 51, Add	*13.48*	
		For Class 52, Add	*30.24*	
		For Class 53, Add	*80.85*	
		For Class 54, Add	*115.37*	
		For Class 55, Add	*132.61*	
		For Class 56, Add	*149.55*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	263.20	50.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*58.26*	
		For Cement Mortar Lining (CML), Add	*18.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.10*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.16*	
		For Class 51, Add	*17.16*	
		For Class 52, Add	*38.55*	
		For Class 53, Add	*103.54*	
		For Class 54, Add	*147.81*	
		For Class 55, Add	*169.82*	
		For Class 56, Add	*191.43*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	318.98	52.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*74.26*	
		For Cement Mortar Lining (CML), Add	*23.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.97*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.95*	
		For Class 51, Add	*21.67*	
		For Class 52, Add	*48.72*	
		For Class 53, Add	*131.36*	
		For Class 54, Add	*187.57*	
		For Class 55, Add	*215.42*	
		For Class 56, Add	*242.76*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	88.71	31.58
		For Cement Mortar Lining (CML), Add	*4.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.06*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	101.65	37.74
		For Cement Mortar Lining (CML), Add	*4.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	157.16	55.78
		For Cement Mortar Lining (CML), Add	*7.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	206.02	66.16
		For Cement Mortar Lining (CML), Add	*10.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	279.42	73.40
		For Cement Mortar Lining (CML), Add	*16.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	356.91	86.11
		For Cement Mortar Lining (CML), Add	*22.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	525.39	96.56
		For Cement Mortar Lining (CML), Add	*37.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	682.09	110.35
		For Cement Mortar Lining (CML), Add	*51.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	854.07	154.49
		For Cement Mortar Lining (CML), Add	*62.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,157.14	193.12
		For Cement Mortar Lining (CML), Add	*86.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	1,680.20	257.15
		For Cement Mortar Lining (CML), Add	*129.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*232.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	2,488.96	275.89
		For Cement Mortar Lining (CML), Add	*207.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	3,671.62	286.42
		For Cement Mortar Lining (CML), Add	*323.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*582.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.83*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	6,053.59	331.06
		For Cement Mortar Lining (CML), Add	*555.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*999.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*416.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	7,936.68	352.21
		For Cement Mortar Lining (CML), Add	*740.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,332.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*555.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	84.51	31.58
		For Cement Mortar Lining (CML), Add	*3.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	93.84	37.74
		For Cement Mortar Lining (CML), Add	*3.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	143.34	55.78
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	186.19	66.16
		For Cement Mortar Lining (CML), Add	*8.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	236.77	73.40
		For Cement Mortar Lining (CML), Add	*12.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	317.86	86.11
		For Cement Mortar Lining (CML), Add	*18.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	441.28	96.56
		For Cement Mortar Lining (CML), Add	*29.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	534.89	110.35
		For Cement Mortar Lining (CML), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	761.54	154.49
		For Cement Mortar Lining (CML), Add	*52.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	856.14	193.12
		For Cement Mortar Lining (CML), Add	*56.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.27*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	1,245.82	257.15
		For Cement Mortar Lining (CML), Add	*85.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	2,157.32	275.89
		For Cement Mortar Lining (CML), Add	*173.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*313.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	2,977.10	286.42
		For Cement Mortar Lining (CML), Add	*254.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*457.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	4,409.20	331.06
		For Cement Mortar Lining (CML), Add	*390.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*703.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	5,654.24	352.21
		For Cement Mortar Lining (CML), Add	*512.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*921.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*384.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	76.70	31.58
		For Cement Mortar Lining (CML), Add	*2.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	92.04	37.74
		For Cement Mortar Lining (CML), Add	*3.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	138.53	55.78
		For Cement Mortar Lining (CML), Add	*5.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	184.39	66.16
		For Cement Mortar Lining (CML), Add	*8.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	236.17	73.40
		For Cement Mortar Lining (CML), Add	*12.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	294.43	86.11
		For Cement Mortar Lining (CML), Add	*16.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	444.89	96.56
		For Cement Mortar Lining (CML), Add	*29.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.40*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	519.87	110.35
		For Cement Mortar Lining (CML), Add	*35.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	667.22	154.49
		For Cement Mortar Lining (CML), Add	*43.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	881.37	193.12
		For Cement Mortar Lining (CML), Add	*58.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,179.73	257.15
		For Cement Mortar Lining (CML), Add	*79.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,875.54	275.89
		For Cement Mortar Lining (CML), Add	*145.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*262.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,570.35	286.42
		For Cement Mortar Lining (CML), Add	*213.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*384.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,727.30	331.06
		For Cement Mortar Lining (CML), Add	*322.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*580.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*241.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,733.81	352.21
		For Cement Mortar Lining (CML), Add	*420.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*756.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*315.01*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	76.70	31.58
		For Cement Mortar Lining (CML), Add	*2.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	90.23	37.74
		For Cement Mortar Lining (CML), Add	*3.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	140.33	55.78
		For Cement Mortar Lining (CML), Add	*5.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	176.58	66.16
		For Cement Mortar Lining (CML), Add	*7.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.72*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	234.96	73.40
		For Cement Mortar Lining (CML), Add	*12.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	284.21	86.11
		For Cement Mortar Lining (CML), Add	*15.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	486.94	96.56
		For Cement Mortar Lining (CML), Add	*34.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	540.30	110.35
		For Cement Mortar Lining (CML), Add	*37.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	781.37	154.49
		For Cement Mortar Lining (CML), Add	*54.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	847.13	193.12
		For Cement Mortar Lining (CML), Add	*55.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,129.26	257.15
		For Cement Mortar Lining (CML), Add	*73.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,901.98	275.89
		For Cement Mortar Lining (CML), Add	*148.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*267.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,462.21	286.42
		For Cement Mortar Lining (CML), Add	*202.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*365.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,580.10	331.06
		For Cement Mortar Lining (CML), Add	*307.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*554.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*230.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,704.97	352.21
		For Cement Mortar Lining (CML), Add	*417.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*750.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*312.85*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	90.52	31.58
		For Cement Mortar Lining (CML), Add	*4.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	110.06	37.74
		For Cement Mortar Lining (CML), Add	*5.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	172.18	55.78
		For Cement Mortar Lining (CML), Add	*8.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	225.85	66.16
		For Cement Mortar Lining (CML), Add	*12.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	308.26	73.40
		For Cement Mortar Lining (CML), Add	*19.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	388.15	86.11
		For Cement Mortar Lining (CML), Add	*25.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	625.73	96.56
		For Cement Mortar Lining (CML), Add	*47.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	926.61	110.35
		For Cement Mortar Lining (CML), Add	*75.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*136.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,096.79	154.49
		For Cement Mortar Lining (CML), Add	*86.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,476.77	193.12
		For Cement Mortar Lining (CML), Add	*118.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,812.37	257.15
		For Cement Mortar Lining (CML), Add	*142.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,219.53	275.89
		For Cement Mortar Lining (CML), Add	*280.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.11*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,596.58	286.42
		For Cement Mortar Lining (CML), Add	*516.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	85.11	31.58
		For Cement Mortar Lining (CML), Add	*3.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	95.64	37.74
		For Cement Mortar Lining (CML), Add	*3.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	149.95	55.78
		For Cement Mortar Lining (CML), Add	*6.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	205.42	66.16
		For Cement Mortar Lining (CML), Add	*10.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	267.41	73.40
		For Cement Mortar Lining (CML), Add	*15.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	352.71	86.11
		For Cement Mortar Lining (CML), Add	*22.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	562.64	96.56
		For Cement Mortar Lining (CML), Add	*41.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*74.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	827.48	110.35
		For Cement Mortar Lining (CML), Add	*66.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	996.46	154.49
		For Cement Mortar Lining (CML), Add	*76.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*137.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,288.12	193.12
		For Cement Mortar Lining (CML), Add	*99.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*179.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.66*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,630.33	257.15
		For Cement Mortar Lining (CML), Add	*124.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*223.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,854.84	275.89
		For Cement Mortar Lining (CML), Add	*243.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,925.49	286.42
		For Cement Mortar Lining (CML), Add	*449.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*808.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*		
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	141.47	47.38
		For Cement Mortar Lining (CML), Add	*6.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	149.93	52.95
		For Cement Mortar Lining (CML), Add	*6.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	142.74	55.78
		For Cement Mortar Lining (CML), Add	*5.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	186.96	70.25
		For Cement Mortar Lining (CML), Add	*8.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	208.77	73.16
		For Cement Mortar Lining (CML), Add	*9.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	229.18	81.90
		For Cement Mortar Lining (CML), Add	*10.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	242.00	84.78
		For Cement Mortar Lining (CML), Add	*11.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	272.62	93.49
		For Cement Mortar Lining (CML), Add	*13.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	308.47	99.32
		For Cement Mortar Lining (CML), Add	*15.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.85*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	312.45	91.22
		For Cement Mortar Lining (CML), Add	*17.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	319.58	99.50
		For Cement Mortar Lining (CML), Add	*16.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	356.78	105.02
		For Cement Mortar Lining (CML), Add	*19.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	393.10	110.35
		For Cement Mortar Lining (CML), Add	*22.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	368.22	102.26
		For Cement Mortar Lining (CML), Add	*21.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	413.80	110.53
		For Cement Mortar Lining (CML), Add	*24.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	492.46	116.06
		For Cement Mortar Lining (CML), Add	*31.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	525.17	121.39
		For Cement Mortar Lining (CML), Add	*34.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	507.69	126.91
		For Cement Mortar Lining (CML), Add	*31.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	536.39	128.80
		For Cement Mortar Lining (CML), Add	*34.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	589.82	134.32
		For Cement Mortar Lining (CML), Add	*38.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	727.68	139.65
		For Cement Mortar Lining (CML), Add	*51.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.71*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	774.48	145.17
		For Cement Mortar Lining (CML), Add	*55.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	758.89	154.33
		For Cement Mortar Lining (CML), Add	*52.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	674.39	154.49
		For Cement Mortar Lining (CML), Add	*44.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*79.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	720.68	160.01
		For Cement Mortar Lining (CML), Add	*47.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	822.48	165.34
		For Cement Mortar Lining (CML), Add	*57.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	892.12	170.85
		For Cement Mortar Lining (CML), Add	*63.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*113.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	1,053.15	180.00
		For Cement Mortar Lining (CML), Add	*78.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*140.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	1,013.74	192.87
		For Cement Mortar Lining (CML), Add	*72.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	923.20	197.72
		For Cement Mortar Lining (CML), Add	*62.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	983.24	203.23
		For Cement Mortar Lining (CML), Add	*67.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	1,054.99	208.57
		For Cement Mortar Lining (CML), Add	*73.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	1,126.44	214.09
		For Cement Mortar Lining (CML), Add	*80.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.16*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	1,161.31	223.21
		For Cement Mortar Lining (CML), Add	*82.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	1,237.84	236.06
		For Cement Mortar Lining (CML), Add	*88.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	1,434.61	257.66
		For Cement Mortar Lining (CML), Add	*104.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*187.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	1,131.32	283.53
		For Cement Mortar Lining (CML), Add	*70.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	1,155.31	289.05
		For Cement Mortar Lining (CML), Add	*71.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	1,242.09	294.38
		For Cement Mortar Lining (CML), Add	*79.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*143.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	1,328.55	299.90
		For Cement Mortar Lining (CML), Add	*87.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	1,348.99	309.02
		For Cement Mortar Lining (CML), Add	*88.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	1,375.67	321.87
		For Cement Mortar Lining (CML), Add	*88.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*159.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	1,679.97	343.48
		For Cement Mortar Lining (CML), Add	*115.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*208.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	1,547.93	386.40
		For Cement Mortar Lining (CML), Add	*96.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	1,403.32	369.07
		For Cement Mortar Lining (CML), Add	*84.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.31*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	1,422.51	375.11
		For Cement Mortar Lining (CML), Add	*85.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	1,541.13	379.92
		For Cement Mortar Lining (CML), Add	*96.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	1,576.52	385.45
		For Cement Mortar Lining (CML), Add	*99.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*178.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	1,742.95	394.57
		For Cement Mortar Lining (CML), Add	*114.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	1,867.56	407.42
		For Cement Mortar Lining (CML), Add	*125.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	2,094.97	429.04
		For Cement Mortar Lining (CML), Add	*144.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*260.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*108.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	2,319.20	471.94
		For Cement Mortar Lining (CML), Add	*160.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*288.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	2,208.56	514.74
		For Cement Mortar Lining (CML), Add	*142.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	2,271.62	435.38
		For Cement Mortar Lining (CML), Add	*161.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*290.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	2,378.82	440.71
		For Cement Mortar Lining (CML), Add	*171.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	2,486.32	446.23
		For Cement Mortar Lining (CML), Add	*181.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*325.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	2,640.75	455.37
		For Cement Mortar Lining (CML), Add	*195.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*351.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.31*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	2,810.40	605.86
		For Cement Mortar Lining (CML), Add	*210.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	2,893.62	489.82
		For Cement Mortar Lining (CML), Add	*215.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*387.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	3,028.92	532.73
		For Cement Mortar Lining (CML), Add	*222.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*399.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	3,195.26	575.50
		For Cement Mortar Lining (CML), Add	*232.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*418.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	3,913.01	605.86
		For Cement Mortar Lining (CML), Add	*299.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*539.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	2,354.58	429.86
		For Cement Mortar Lining (CML), Add	*170.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*306.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	2,737.26	482.98
		For Cement Mortar Lining (CML), Add	*200.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*360.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	3,006.09	488.32
		For Cement Mortar Lining (CML), Add	*226.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*407.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	3,153.83	493.83
		For Cement Mortar Lining (CML), Add	*240.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*433.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*180.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	3,264.39	502.97
		For Cement Mortar Lining (CML), Add	*250.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	3,379.39	515.81
		For Cement Mortar Lining (CML), Add	*259.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*467.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	3,597.18	537.42
		For Cement Mortar Lining (CML), Add	*278.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*500.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*208.72*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	3,847.84	580.33
		For Cement Mortar Lining (CML), Add	*296.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*534.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*222.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	4,241.88	623.10
		For Cement Mortar Lining (CML), Add	*329.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*593.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*247.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	4,661.04	677.34
		For Cement Mortar Lining (CML), Add	*367.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*660.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*275.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	5,372.99	677.34
		For Cement Mortar Lining (CML), Add	*434.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*782.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	5,844.88	520.43
		For Cement Mortar Lining (CML), Add	*505.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*910.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*379.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	5,960.85	529.57
		For Cement Mortar Lining (CML), Add	*515.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*928.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*386.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	6,587.72	542.42
		For Cement Mortar Lining (CML), Add	*576.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,037.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*432.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	6,205.92	564.03
		For Cement Mortar Lining (CML), Add	*535.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*963.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*401.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	6,270.92	606.94
		For Cement Mortar Lining (CML), Add	*535.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*963.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*401.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	6,433.66	649.70
		For Cement Mortar Lining (CML), Add	*544.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*980.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*408.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	7,714.96	680.11
		For Cement Mortar Lining (CML), Add	*668.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,203.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	8,031.59	703.90
		For Cement Mortar Lining (CML), Add	*696.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,253.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.38*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	8,474.11	717.22
		For Cement Mortar Lining (CML), Add	*738.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,329.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*554.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	6,845.76	562.84
		For Cement Mortar Lining (CML), Add	*599.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,078.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	6,967.74	571.96
		For Cement Mortar Lining (CML), Add	*610.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,098.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*457.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	7,140.41	584.81
		For Cement Mortar Lining (CML), Add	*625.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,125.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	7,325.76	606.43
		For Cement Mortar Lining (CML), Add	*640.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,153.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*480.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	7,543.98	649.33
		For Cement Mortar Lining (CML), Add	*656.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,180.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*492.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	7,629.20	692.10
		For Cement Mortar Lining (CML), Add	*658.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,184.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*493.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	9,188.67	722.50
		For Cement Mortar Lining (CML), Add	*809.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,456.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*607.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	10,414.31	746.30
		For Cement Mortar Lining (CML), Add	*928.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,671.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	10,905.50	759.60
		For Cement Mortar Lining (CML), Add	*975.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,755.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*731.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	11,094.44	780.84
		For Cement Mortar Lining (CML), Add	*991.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,784.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*743.36*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	131.31	52.95
		For Cement Mortar Lining (CML), Add	*5.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.83*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	179.99	55.75
		For Cement Mortar Lining (CML), Add	*9.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	186.96	70.25
		For Cement Mortar Lining (CML), Add	*8.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	209.37	73.16
		For Cement Mortar Lining (CML), Add	*9.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	268.23	81.86
		For Cement Mortar Lining (CML), Add	*14.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	327.31	84.78
		For Cement Mortar Lining (CML), Add	*19.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	308.07	93.49
		For Cement Mortar Lining (CML), Add	*16.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	360.74	99.30
		For Cement Mortar Lining (CML), Add	*21.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	472.87	91.22
		For Cement Mortar Lining (CML), Add	*33.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	502.83	99.50
		For Cement Mortar Lining (CML), Add	*35.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	570.07	105.02
		For Cement Mortar Lining (CML), Add	*41.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	635.22	110.35
		For Cement Mortar Lining (CML), Add	*46.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	591.72	102.26
		For Cement Mortar Lining (CML), Add	*43.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.76*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	664.93	110.53
		For Cement Mortar Lining (CML), Add	*49.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	786.85	116.06
		For Cement Mortar Lining (CML), Add	*61.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	811.16	121.39
		For Cement Mortar Lining (CML), Add	*62.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	749.21	126.90
		For Cement Mortar Lining (CML), Add	*55.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*100.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	865.63	128.80
		For Cement Mortar Lining (CML), Add	*67.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	979.74	134.32
		For Cement Mortar Lining (CML), Add	*77.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,249.17	139.65
		For Cement Mortar Lining (CML), Add	*103.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*186.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,334.42	145.17
		For Cement Mortar Lining (CML), Add	*111.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,314.62	154.29
		For Cement Mortar Lining (CML), Add	*108.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	908.17	154.49
		For Cement Mortar Lining (CML), Add	*67.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	991.04	160.01
		For Cement Mortar Lining (CML), Add	*74.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*134.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,148.72	165.34
		For Cement Mortar Lining (CML), Add	*89.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*161.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.37*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,273.03	170.85
		For Cement Mortar Lining (CML), Add	*101.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,564.43	180.00
		For Cement Mortar Lining (CML), Add	*129.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*232.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,525.02	192.83
		For Cement Mortar Lining (CML), Add	*123.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*221.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,391.22	197.72
		For Cement Mortar Lining (CML), Add	*109.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,489.71	203.23
		For Cement Mortar Lining (CML), Add	*118.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,584.90	208.57
		For Cement Mortar Lining (CML), Add	*126.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*228.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,688.19	214.09
		For Cement Mortar Lining (CML), Add	*136.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,712.84	223.21
		For Cement Mortar Lining (CML), Add	*137.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*247.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,739.51	236.06
		For Cement Mortar Lining (CML), Add	*138.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*248.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	1,626.87	257.68
		For Cement Mortar Lining (CML), Add	*123.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,692.47	283.53
		For Cement Mortar Lining (CML), Add	*126.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,729.07	289.05
		For Cement Mortar Lining (CML), Add	*129.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*232.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.83*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,878.94	294.38
		For Cement Mortar Lining (CML), Add	*143.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,027.89	299.90
		For Cement Mortar Lining (CML), Add	*157.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*283.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,053.73	309.02
		For Cement Mortar Lining (CML), Add	*158.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*285.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,085.82	321.87
		For Cement Mortar Lining (CML), Add	*159.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*287.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*119.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	2,391.32	343.48
		For Cement Mortar Lining (CML), Add	*187.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	2,318.15	386.39
		For Cement Mortar Lining (CML), Add	*173.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,078.62	369.07
		For Cement Mortar Lining (CML), Add	*151.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*273.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*113.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,106.22	374.60
		For Cement Mortar Lining (CML), Add	*153.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*276.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,313.15	379.92
		For Cement Mortar Lining (CML), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*312.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,410.43	385.45
		For Cement Mortar Lining (CML), Add	*182.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*328.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,739.08	394.57
		For Cement Mortar Lining (CML), Add	*214.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	3,016.29	407.42
		For Cement Mortar Lining (CML), Add	*239.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*431.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*179.92*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,351.85	429.04
		For Cement Mortar Lining (CML), Add	*270.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*486.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,683.01	471.94
		For Cement Mortar Lining (CML), Add	*296.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*534.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*222.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	3,351.28	514.70
		For Cement Mortar Lining (CML), Add	*257.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,003.17	429.86
		For Cement Mortar Lining (CML), Add	*335.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*603.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*251.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,447.71	435.38
		For Cement Mortar Lining (CML), Add	*378.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*681.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,688.89	440.71
		For Cement Mortar Lining (CML), Add	*402.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*723.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,930.37	446.23
		For Cement Mortar Lining (CML), Add	*425.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*765.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,274.05	455.37
		For Cement Mortar Lining (CML), Add	*458.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*825.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*343.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,646.77	468.21
		For Cement Mortar Lining (CML), Add	*493.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*888.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	5,797.89	489.82
		For Cement Mortar Lining (CML), Add	*505.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*910.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*379.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,028.11	532.73
		For Cement Mortar Lining (CML), Add	*522.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*939.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	6,331.44	575.50
		For Cement Mortar Lining (CML), Add	*545.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*982.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*409.46*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	6,846.71	605.90
		For Cement Mortar Lining (CML), Add	*592.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,067.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*444.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	7,363.64	493.83
		For Cement Mortar Lining (CML), Add	*661.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,190.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*496.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,643.62	502.97
		For Cement Mortar Lining (CML), Add	*688.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,238.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*516.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	7,925.64	515.81
		For Cement Mortar Lining (CML), Add	*714.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,285.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*535.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	8,467.26	537.42
		For Cement Mortar Lining (CML), Add	*765.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,377.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*573.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	9,042.96	580.33
		For Cement Mortar Lining (CML), Add	*816.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,469.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*612.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	10,013.17	623.10
		For Cement Mortar Lining (CML), Add	*906.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,632.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*680.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	11,178.52	653.49
		For Cement Mortar Lining (CML), Add	*1,018.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,833.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*764.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	13,251.88	677.30
		For Cement Mortar Lining (CML), Add	*1,222.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,200.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*916.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	11,670.31	606.94
		For Cement Mortar Lining (CML), Add	*1,075.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,935.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*806.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	11,985.65	649.70
		For Cement Mortar Lining (CML), Add	*1,100.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,980.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*825.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	12,791.12	680.11
		For Cement Mortar Lining (CML), Add	*1,176.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,116.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*882.05*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	14,563.49	703.90
		For Cement Mortar Lining (CML), Add	*1,349.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,012.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	17,079.38	717.21
		For Cement Mortar Lining (CML), Add	*1,599.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,878.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,199.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	11,556.72	649.33
		For Cement Mortar Lining (CML), Add	*1,057.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,903.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*792.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	13,051.42	692.10
		For Cement Mortar Lining (CML), Add	*1,200.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,160.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*900.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	13,897.14	722.50
		For Cement Mortar Lining (CML), Add	*1,280.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,304.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*960.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	15,774.65	746.30
		For Cement Mortar Lining (CML), Add	*1,464.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,635.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,098.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	20,438.99	759.60
		For Cement Mortar Lining (CML), Add	*1,928.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,446.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	22,393.67	780.81
		For Cement Mortar Lining (CML), Add	*2,121.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,817.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,590.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	173.22	63.17
		For Cement Mortar Lining (CML), Add	*7.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	203.29	68.75
		For Cement Mortar Lining (CML), Add	*9.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	231.15	69.68
		For Cement Mortar Lining (CML), Add	*12.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	278.36	86.13
		For Cement Mortar Lining (CML), Add	*14.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.09*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	277.75	92.90
		For Cement Mortar Lining (CML), Add	*13.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	329.75	116.13
		For Cement Mortar Lining (CML), Add	*15.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	290.36	101.62
		For Cement Mortar Lining (CML), Add	*13.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	348.37	124.85
		For Cement Mortar Lining (CML), Add	*15.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	369.99	133.55
		For Cement Mortar Lining (CML), Add	*16.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	339.49	106.69
		For Cement Mortar Lining (CML), Add	*17.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	394.56	128.76
		For Cement Mortar Lining (CML), Add	*19.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	455.17	137.04
		For Cement Mortar Lining (CML), Add	*24.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	491.53	147.13
		For Cement Mortar Lining (CML), Add	*26.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	400.26	115.87
		For Cement Mortar Lining (CML), Add	*22.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	467.95	137.94
		For Cement Mortar Lining (CML), Add	*25.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	630.10	146.22
		For Cement Mortar Lining (CML), Add	*40.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.64*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	645.44	156.35
		For Cement Mortar Lining (CML), Add	*40.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	722.44	165.53
		For Cement Mortar Lining (CML), Add	*47.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	724.95	151.72
		For Cement Mortar Lining (CML), Add	*49.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	837.23	160.01
		For Cement Mortar Lining (CML), Add	*59.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*107.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	864.59	170.14
		For Cement Mortar Lining (CML), Add	*60.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	912.14	179.32
		For Cement Mortar Lining (CML), Add	*64.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	1,004.54	193.12
		For Cement Mortar Lining (CML), Add	*71.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	826.90	171.03
		For Cement Mortar Lining (CML), Add	*56.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	927.76	179.32
		For Cement Mortar Lining (CML), Add	*65.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	1,088.84	189.43
		For Cement Mortar Lining (CML), Add	*80.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	1,202.74	198.62
		For Cement Mortar Lining (CML), Add	*90.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*162.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	1,429.10	212.41
		For Cement Mortar Lining (CML), Add	*110.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*199.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.05*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	1,658.41	231.75
		For Cement Mortar Lining (CML), Add	*130.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	1,298.33	202.24
		For Cement Mortar Lining (CML), Add	*99.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*178.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	1,369.77	210.52
		For Cement Mortar Lining (CML), Add	*105.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	1,434.36	220.64
		For Cement Mortar Lining (CML), Add	*110.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	1,546.81	229.82
		For Cement Mortar Lining (CML), Add	*119.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	1,783.39	243.62
		For Cement Mortar Lining (CML), Add	*141.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	1,901.55	262.91
		For Cement Mortar Lining (CML), Add	*150.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*270.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	2,007.72	294.11
		For Cement Mortar Lining (CML), Add	*156.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	1,631.73	253.75
		For Cement Mortar Lining (CML), Add	*124.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	1,703.76	262.03
		For Cement Mortar Lining (CML), Add	*130.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	1,758.15	272.15
		For Cement Mortar Lining (CML), Add	*134.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*242.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	1,869.99	281.33
		For Cement Mortar Lining (CML), Add	*144.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*259.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*108.28*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	1,910.70	295.13
		For Cement Mortar Lining (CML), Add	*146.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*263.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	2,273.99	314.43
		For Cement Mortar Lining (CML), Add	*179.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*323.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	2,380.16	345.63
		For Cement Mortar Lining (CML), Add	*185.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	2,595.79	397.11
		For Cement Mortar Lining (CML), Add	*199.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*358.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	2,199.84	317.42
		For Cement Mortar Lining (CML), Add	*171.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*309.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	2,252.29	325.71
		For Cement Mortar Lining (CML), Add	*175.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	2,335.86	335.83
		For Cement Mortar Lining (CML), Add	*182.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*328.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	2,408.66	345.02
		For Cement Mortar Lining (CML), Add	*188.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*339.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	2,458.99	358.80
		For Cement Mortar Lining (CML), Add	*191.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*344.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	2,557.32	378.10
		For Cement Mortar Lining (CML), Add	*198.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*357.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	3,302.14	409.31
		For Cement Mortar Lining (CML), Add	*268.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*482.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	3,507.55	460.81
		For Cement Mortar Lining (CML), Add	*280.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*505.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.70*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	3,879.20	524.52
		For Cement Mortar Lining (CML), Add	*308.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*555.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*231.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	4,046.63	422.06
		For Cement Mortar Lining (CML), Add	*340.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*613.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	4,128.65	432.19
		For Cement Mortar Lining (CML), Add	*347.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	4,208.65	441.37
		For Cement Mortar Lining (CML), Add	*353.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*637.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*265.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	4,305.85	455.16
		For Cement Mortar Lining (CML), Add	*361.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*650.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	4,420.40	474.45
		For Cement Mortar Lining (CML), Add	*370.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*666.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	4,562.62	505.67
		For Cement Mortar Lining (CML), Add	*379.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*683.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	4,754.22	557.17
		For Cement Mortar Lining (CML), Add	*391.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*703.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	6,028.86	620.85
		For Cement Mortar Lining (CML), Add	*508.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*915.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*381.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	6,935.46	717.22
		For Cement Mortar Lining (CML), Add	*584.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,052.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*438.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	5,533.96	457.58
		For Cement Mortar Lining (CML), Add	*484.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*871.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*363.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	5,615.36	467.70
		For Cement Mortar Lining (CML), Add	*490.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*883.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.00*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	5,685.77	476.89
		For Cement Mortar Lining (CML), Add	*496.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*893.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	5,772.74	490.67
		For Cement Mortar Lining (CML), Add	*502.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	5,877.68	509.97
		For Cement Mortar Lining (CML), Add	*510.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*918.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*382.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	6,009.68	541.18
		For Cement Mortar Lining (CML), Add	*518.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	6,191.67	592.69
		For Cement Mortar Lining (CML), Add	*529.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*952.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*397.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	6,486.40	656.37
		For Cement Mortar Lining (CML), Add	*549.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*988.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	8,623.45	752.72
		For Cement Mortar Lining (CML), Add	*748.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,346.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	9,441.49	788.27
		For Cement Mortar Lining (CML), Add	*824.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,484.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*618.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	7,327.02	497.42
		For Cement Mortar Lining (CML), Add	*657.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,183.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*493.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	8,240.55	511.21
		For Cement Mortar Lining (CML), Add	*746.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,343.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*559.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	7,512.33	530.50
		For Cement Mortar Lining (CML), Add	*670.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,207.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	7,632.32	561.72
		For Cement Mortar Lining (CML), Add	*678.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,220.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*508.59*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	7,809.50	613.23
		For Cement Mortar Lining (CML), Add	*688.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,238.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*516.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	8,086.81	676.90
		For Cement Mortar Lining (CML), Add	*706.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,271.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*529.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	10,273.12	773.26
		For Cement Mortar Lining (CML), Add	*910.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,638.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	13,243.82	808.77
		For Cement Mortar Lining (CML), Add	*1,201.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,163.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*901.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	14,159.31	829.33
		For Cement Mortar Lining (CML), Add	*1,290.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,322.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*967.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	9,825.53	578.96
		For Cement Mortar Lining (CML), Add	*894.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,610.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*671.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	9,900.50	592.75
		For Cement Mortar Lining (CML), Add	*900.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,620.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*675.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	10,001.83	612.04
		For Cement Mortar Lining (CML), Add	*907.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,633.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*680.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	10,121.21	643.26
		For Cement Mortar Lining (CML), Add	*914.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,646.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*685.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	10,289.98	694.77
		For Cement Mortar Lining (CML), Add	*923.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,662.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*692.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	10,557.69	758.44
		For Cement Mortar Lining (CML), Add	*940.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,693.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*705.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	11,218.56	854.80
		For Cement Mortar Lining (CML), Add	*992.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,786.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*744.26*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	13,610.69	890.31
		For Cement Mortar Lining (CML), Add	*1,226.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,207.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*919.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	17,298.88	910.85
		For Cement Mortar Lining (CML), Add	*1,591.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,865.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,193.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	18,442.58	992.35
		For Cement Mortar Lining (CML), Add	*1,693.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,049.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,270.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378		**Mechanical Joint x Mechanical Joint Ductile Iron Reducers** *(33 14 13 13-0002)*		
33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	86.94	34.37
		For Cement Mortar Lining (CML), Add	*3.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	103.73	43.08
		For Cement Mortar Lining (CML), Add	*3.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	111.56	45.87
		For Cement Mortar Lining (CML), Add	*4.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	136.07	51.68
		For Cement Mortar Lining (CML), Add	*5.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	152.77	60.38
		For Cement Mortar Lining (CML), Add	*6.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	157.59	54.44
		For Cement Mortar Lining (CML), Add	*7.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	174.33	62.72
		For Cement Mortar Lining (CML), Add	*7.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	190.51	68.23
		For Cement Mortar Lining (CML), Add	*8.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	185.77	59.96
		For Cement Mortar Lining (CML), Add	*9.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.12*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	207.92	68.23
		For Cement Mortar Lining (CML), Add	*10.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	219.29	73.75
		For Cement Mortar Lining (CML), Add	*10.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	238.79	79.09
		For Cement Mortar Lining (CML), Add	*11.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	349.12	77.37
		For Cement Mortar Lining (CML), Add	*23.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	345.48	82.89
		For Cement Mortar Lining (CML), Add	*21.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	321.11	88.21
		For Cement Mortar Lining (CML), Add	*18.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	338.48	93.74
		For Cement Mortar Lining (CML), Add	*19.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	409.44	90.20
		For Cement Mortar Lining (CML), Add	*27.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	407.60	95.74
		For Cement Mortar Lining (CML), Add	*26.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	406.07	101.06
		For Cement Mortar Lining (CML), Add	*25.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	437.85	106.58
		For Cement Mortar Lining (CML), Add	*27.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	484.73	115.71
		For Cement Mortar Lining (CML), Add	*30.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.21*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	514.84	117.34
		For Cement Mortar Lining (CML), Add	*33.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	569.78	122.68
		For Cement Mortar Lining (CML), Add	*38.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	557.71	128.19
		For Cement Mortar Lining (CML), Add	*36.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*65.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	592.57	137.33
		For Cement Mortar Lining (CML), Add	*38.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	628.86	150.17
		For Cement Mortar Lining (CML), Add	*40.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	722.24	160.25
		For Cement Mortar Lining (CML), Add	*47.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	702.67	165.58
		For Cement Mortar Lining (CML), Add	*45.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*81.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	663.58	171.10
		For Cement Mortar Lining (CML), Add	*40.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	674.41	180.23
		For Cement Mortar Lining (CML), Add	*40.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	702.28	193.07
		For Cement Mortar Lining (CML), Add	*40.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	828.16	214.68
		For Cement Mortar Lining (CML), Add	*50.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	943.46	213.87
		For Cement Mortar Lining (CML), Add	*61.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.46*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	972.93	223.01
		For Cement Mortar Lining (CML), Add	*63.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*114.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,000.81	235.85
		For Cement Mortar Lining (CML), Add	*64.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,005.31	257.46
		For Cement Mortar Lining (CML), Add	*61.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,216.91	300.37
		For Cement Mortar Lining (CML), Add	*76.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*137.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,800.26	266.25
		For Cement Mortar Lining (CML), Add	*139.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*251.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,888.28	287.85
		For Cement Mortar Lining (CML), Add	*145.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*261.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*108.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,872.78	330.76
		For Cement Mortar Lining (CML), Add	*137.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*246.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,872.10	373.54
		For Cement Mortar Lining (CML), Add	*130.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,662.24	354.56
		For Cement Mortar Lining (CML), Add	*212.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*382.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,289.07	397.33
		For Cement Mortar Lining (CML), Add	*168.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,482.92	427.73
		For Cement Mortar Lining (CML), Add	*183.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,329.04	303.35
		For Cement Mortar Lining (CML), Add	*286.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*516.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.21*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,335.35	324.96
		For Cement Mortar Lining (CML), Add	*284.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*511.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*213.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,390.74	367.87
		For Cement Mortar Lining (CML), Add	*283.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*510.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*212.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,784.19	410.64
		For Cement Mortar Lining (CML), Add	*316.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*569.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*237.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,206.62	441.03
		For Cement Mortar Lining (CML), Add	*253.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,359.23	464.83
		For Cement Mortar Lining (CML), Add	*265.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*477.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*199.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,414.95	324.55
		For Cement Mortar Lining (CML), Add	*392.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*706.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*294.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,307.12	346.16
		For Cement Mortar Lining (CML), Add	*378.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*680.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*283.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,155.84	389.06
		For Cement Mortar Lining (CML), Add	*356.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*641.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,311.36	431.84
		For Cement Mortar Lining (CML), Add	*365.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*658.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*274.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,106.62	462.23
		For Cement Mortar Lining (CML), Add	*440.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*793.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,541.28	486.03
		For Cement Mortar Lining (CML), Add	*380.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*684.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*285.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,956.75	499.33
		For Cement Mortar Lining (CML), Add	*420.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*756.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*315.01*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	125.59	72.58
		For Cement Mortar Lining (CML), Add	*1.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	145.26	85.17
		For Cement Mortar Lining (CML), Add	*1.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	190.13	106.45
		For Cement Mortar Lining (CML), Add	*2.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	232.39	121.68
		For Cement Mortar Lining (CML), Add	*4.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	339.35	183.93
		For Cement Mortar Lining (CML), Add	*6.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	394.73	200.64
		For Cement Mortar Lining (CML), Add	*9.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	471.99	220.71
		For Cement Mortar Lining (CML), Add	*13.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	556.01	245.21
		For Cement Mortar Lining (CML), Add	*18.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	643.30	275.89
		For Cement Mortar Lining (CML), Add	*22.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	769.11	315.26
		For Cement Mortar Lining (CML), Add	*29.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	957.47	367.84
		For Cement Mortar Lining (CML), Add	*40.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	1,583.83	441.41
		For Cement Mortar Lining (CML), Add	*91.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*164.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.63*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	2,500.23	551.77
		For Cement Mortar Lining (CML), Add	*166.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*299.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*124.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	3,527.18	662.12
		For Cement Mortar Lining (CML), Add	*252.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*454.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*189.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	4,155.93	735.69
		For Cement Mortar Lining (CML), Add	*304.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452		**Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)*		
33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	127.99	72.58
		For Cement Mortar Lining (CML), Add	*1.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	148.87	85.17
		For Cement Mortar Lining (CML), Add	*1.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	199.74	106.45
		For Cement Mortar Lining (CML), Add	*3.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	242.01	121.68
		For Cement Mortar Lining (CML), Add	*5.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	378.40	183.93
		For Cement Mortar Lining (CML), Add	*9.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	405.55	200.64
		For Cement Mortar Lining (CML), Add	*10.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	541.09	220.71
		For Cement Mortar Lining (CML), Add	*20.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	398.00	245.21
		For Cement Mortar Lining (CML), Add	*2.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	746.04	275.89
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	909.09	315.26
		For Cement Mortar Lining (CML), Add	*43.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	1,155.74	367.84
		For Cement Mortar Lining (CML), Add	*59.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*107.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	1,856.59	441.41
		For Cement Mortar Lining (CML), Add	*118.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	2,670.85	551.77
		For Cement Mortar Lining (CML), Add	*183.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	3,548.81	662.12
		For Cement Mortar Lining (CML), Add	*254.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*458.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	4,508.00	735.69
		For Cement Mortar Lining (CML), Add	*339.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.50*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0468 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	206.21	110.32
		For Cement Mortar Lining (CML), Add	*3.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	235.61	127.74
		For Cement Mortar Lining (CML), Add	*4.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	300.22	159.67
		For Cement Mortar Lining (CML), Add	*5.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	364.82	182.46
		For Cement Mortar Lining (CML), Add	*8.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	571.80	275.89
		For Cement Mortar Lining (CML), Add	*15.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	653.06	300.96
		For Cement Mortar Lining (CML), Add	*19.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.78*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	814.62	331.06
		For Cement Mortar Lining (CML), Add	*31.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	914.82	367.84
		For Cement Mortar Lining (CML), Add	*35.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,173.74	413.83
		For Cement Mortar Lining (CML), Add	*54.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,367.85	472.93
		For Cement Mortar Lining (CML), Add	*65.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,638.08	551.77
		For Cement Mortar Lining (CML), Add	*80.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,479.39	662.12
		For Cement Mortar Lining (CML), Add	*147.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,369.44	827.65
		For Cement Mortar Lining (CML), Add	*211.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,382.50	945.86
		For Cement Mortar Lining (CML), Add	*294.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,365.75	1,103.53
		For Cement Mortar Lining (CML), Add	*369.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.03*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0485	EA	3" Mechanical Joint Ductile Iron Long Sleeves	200.20	110.32
		For Cement Mortar Lining (CML), Add	*3.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	4" Mechanical Joint Ductile Iron Long Sleeves	232.60	127.74
		For Cement Mortar Lining (CML), Add	*3.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	6" Mechanical Joint Ductile Iron Long Sleeves	307.43	159.67
		For Cement Mortar Lining (CML), Add	*6.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.91*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0488	EA	8" Mechanical Joint Ductile Iron Long Sleeves	384.04	182.46
		For Cement Mortar Lining (CML), Add	*10.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves	545.97	275.89
		For Cement Mortar Lining (CML), Add	*12.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves	629.03	300.96
		For Cement Mortar Lining (CML), Add	*17.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves	762.95	331.06
		For Cement Mortar Lining (CML), Add	*26.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves	888.38	367.84
		For Cement Mortar Lining (CML), Add	*33.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves	1,050.57	413.83
		For Cement Mortar Lining (CML), Add	*42.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves	1,227.86	472.93
		For Cement Mortar Lining (CML), Add	*51.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves	1,509.51	551.77
		For Cement Mortar Lining (CML), Add	*67.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves	2,413.90	662.12
		For Cement Mortar Lining (CML), Add	*141.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves	3,234.86	827.65
		For Cement Mortar Lining (CML), Add	*198.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves	4,081.06	944.77
		For Cement Mortar Lining (CML), Add	*264.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*476.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*198.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves	5,393.99	1,103.53
		For Cement Mortar Lining (CML), Add	*372.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*669.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*279.15*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0500		**Mechanical Joint Ductile Iron Gland Packs** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501		**Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	12.02	
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	25.63	
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	30.97	
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	36.31	
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	50.20	
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	53.40	
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	87.58	
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	92.92	
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	123.90	
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	160.21	
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	223.23	
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	532.97	
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,149.25	
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,677.95	
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,059.26	
33 14 13 13-0517	EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.	2,766.33	
33 14 13 13-0518		**Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0519	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	20.43	
33 14 13 13-0520	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	36.31	
33 14 13 13-0521	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	45.93	
33 14 13 13-0522	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	50.20	
33 14 13 13-0523	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	69.43	
33 14 13 13-0524	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	72.63	
33 14 13 13-0525	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	110.01	
33 14 13 13-0526	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	120.69	
33 14 13 13-0527	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	160.21	
33 14 13 13-0528	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	207.21	
33 14 13 13-0529	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	289.45	
33 14 13 13-0530		**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0531	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	13.22	
33 14 13 13-0532	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	27.77	
33 14 13 13-0533	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	33.11	
33 14 13 13-0534	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.52	
33 14 13 13-0535	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	54.47	
33 14 13 13-0536	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	57.68	
33 14 13 13-0537	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	95.06	
33 14 13 13-0538	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	100.40	
33 14 13 13-0539	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	135.65	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0540	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	174.10	
33 14 13 13-0541	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	243.52	
33 14 13 13-0542	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	583.17	
33 14 13 13-0543	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,292.38	
33 14 13 13-0544	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,871.28	
33 14 13 13-0545	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,302.78	
33 14 13 13-0546	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.	2,826.14	
33 14 13 13-0547		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0548	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	137.49	55.34
33 14 13 13-0549	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	157.59	65.54
33 14 13 13-0550	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	195.43	81.11
33 14 13 13-0551	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	241.84	94.66
33 14 13 13-0552	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	349.70	137.94
33 14 13 13-0553	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	427.46	157.67
33 14 13 13-0554	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	493.69	169.71
33 14 13 13-0555	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	600.94	183.93
33 14 13 13-0556	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	766.60	220.71
33 14 13 13-0557	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	900.30	245.12
33 14 13 13-0558	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,158.69	282.83
33 14 13 13-0559	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	2,187.54	339.18
33 14 13 13-0560	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	2,703.01	424.45
33 14 13 13-0561	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	3,948.94	489.73
33 14 13 13-0562	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	5,057.86	629.85
33 14 13 13-0563		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*		
33 14 13 13-0564	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	2,596.78	45.29
33 14 13 13-0565	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	2,706.64	56.61
33 14 13 13-0566	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,927.69	83.67
33 14 13 13-0567	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	5,333.87	99.23
33 14 13 13-0568	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	6,719.16	110.10
33 14 13 13-0569	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	8,956.82	129.16
33 14 13 13-0570	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	11,029.65	144.84
33 14 13 13-0571	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	13,046.94	165.53
33 14 13 13-0572	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	14,722.21	231.75
33 14 13 13-0573	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,799.65	289.68
33 14 13 13-0574	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	27,430.38	386.24
33 14 13 13-0575		Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0576	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	136.62	55.34
33 14 13 13-0577	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	173.65	65.54
33 14 13 13-0578	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	223.29	81.11
33 14 13 13-0579	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	255.50	94.66
33 14 13 13-0580	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	442.11	145.17
33 14 13 13-0581	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	500.86	165.92
33 14 13 13-0582		Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0583	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	191.19	55.34
33 14 13 13-0584	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	236.79	65.54
33 14 13 13-0585	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	324.81	81.11
33 14 13 13-0586	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	462.51	94.66
33 14 13 13-0587	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	672.59	145.17
33 14 13 13-0588	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	831.68	165.92
33 14 13 13-0589	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,257.27	178.59
33 14 13 13-0590	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	1,744.16	193.55
33 14 13 13-0591	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	1,976.95	232.26
33 14 13 13-0592	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	2,184.25	257.95
33 14 13 13-0593	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	2,637.88	297.63
33 14 13 13-0594	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	3,385.61	356.92
33 14 13 13-0595	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	5,029.66	446.66
33 14 13 13-0596	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	12,915.16	515.36

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0597	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	16,543.32	662.81

33 14 13 13-0598 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0599 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0598)*

33 14 13 13-0600	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	175.83	31.58
33 14 13 13-0601	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	210.39	37.83
33 14 13 13-0602	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	324.18	55.43
33 14 13 13-0603	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	434.93	65.99
33 14 13 13-0604	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	582.21	73.57
33 14 13 13-0605	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	732.41	86.11
33 14 13 13-0606	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,019.86	96.98
33 14 13 13-0607	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,231.82	110.35
33 14 13 13-0608	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,505.94	154.67
33 14 13 13-0609	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,877.50	193.12
33 14 13 13-0610	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,641.49	257.49
33 14 13 13-0611	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,117.13	275.89
33 14 13 13-0612	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,964.87	286.76
33 14 13 13-0613	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	9,711.26	331.06
33 14 13 13-0614	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,636.74	351.96

33 14 13 13-0615 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0598)*

33 14 13 13-0616	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	169.22	31.58
33 14 13 13-0617	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	198.98	37.83
33 14 13 13-0618	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	304.35	55.43
33 14 13 13-0619	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	404.28	65.99
33 14 13 13-0620	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	517.32	73.57
33 14 13 13-0621	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	674.13	86.11
33 14 13 13-0622	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	894.90	96.98
33 14 13 13-0623	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,067.20	110.35
33 14 13 13-0624	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,281.85	154.67
33 14 13 13-0625	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,560.88	193.12
33 14 13 13-0626	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,059.31	257.49
33 14 13 13-0627	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,626.27	275.89
33 14 13 13-0628	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,935.70	286.76
33 14 13 13-0629	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	7,256.39	331.06
33 14 13 13-0630	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	9,230.20	351.96

33 14 13 13-0631 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0598)*

33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	137.38	31.58
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	197.18	37.83
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	297.14	55.43
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	401.88	65.99
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	516.72	73.57
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	639.29	86.11
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	899.70	96.98
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,045.57	110.35
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,276.44	154.67
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,610.75	193.12
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,019.66	257.49
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,251.97	275.89
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,364.94	286.76
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,181.56	331.06
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,856.17	351.96

33 14 13 13-0647 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0598)*

33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	137.38	31.58
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	230.22	37.83
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	299.55	55.43
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	391.07	65.99
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	515.52	73.57
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	623.07	86.11
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	962.79	96.98
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,075.01	110.35
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,447.07	154.67
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,559.08	193.12
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,020.26	257.49
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,291.63	275.89
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,251.39	286.76
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,019.35	331.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,812.91	351.96
33 14 13 13-0663		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	157.21	31.58
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	224.21	37.83
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	347.01	55.43
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	463.76	65.99
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	624.26	73.57
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	778.67	86.11
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,352.11	96.98
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,077.14	110.35
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,396.93	154.67
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,775.10	193.12
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,040.42	257.49
33 14 13 13-0675		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0676	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	157.21	31.58
33 14 13 13-0677	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	201.38	37.83
33 14 13 13-0678	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	313.97	55.43
33 14 13 13-0679	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	433.72	65.99
33 14 13 13-0680	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	563.60	73.57
33 14 13 13-0681	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	725.80	86.11
33 14 13 13-0682	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	952.56	96.98
33 14 13 13-0683	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,139.90	110.35
33 14 13 13-0684	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,090.51	154.67
33 14 13 13-0685	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,218.75	193.12
33 14 13 13-0686	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,356.70	257.49
33 14 13 13-0687		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0598)*		
33 14 13 13-0688	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	223.78	47.38
33 14 13 13-0689	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	245.55	53.42
33 14 13 13-0690	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	258.69	55.43
33 14 13 13-0691	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	361.19	70.25
33 14 13 13-0692	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	389.01	73.02
33 14 13 13-0693	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	414.23	81.82
33 14 13 13-0694	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	473.31	84.46
33 14 13 13-0695	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	513.55	93.26
33 14 13 13-0696	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	562.01	99.41
33 14 13 13-0697	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	617.06	91.12
33 14 13 13-0698	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	622.99	99.49
33 14 13 13-0699	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	672.80	105.33
33 14 13 13-0700	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	723.54	110.35
33 14 13 13-0701	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	736.51	101.99
33 14 13 13-0702	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	749.04	110.35
33 14 13 13-0703	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	807.28	116.20
33 14 13 13-0704	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	920.50	121.22
33 14 13 13-0705	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	927.05	127.07
33 14 13 13-0706	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,038.06	128.74
33 14 13 13-0707	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,119.13	134.59
33 14 13 13-0708	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,339.29	139.61
33 14 13 13-0709	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,411.93	145.46
33 14 13 13-0710	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,324.24	154.67
33 14 13 13-0711	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,242.14	154.67
33 14 13 13-0712	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,307.06	159.68

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0713	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,546.45	165.53
33 14 13 13-0714	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,463.48	170.54
33 14 13 13-0715	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,874.44	179.74
33 14 13 13-0716	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,720.28	193.12
33 14 13 13-0717	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,626.74	198.14
33 14 13 13-0718	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,711.41	203.15
33 14 13 13-0719	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,817.41	208.17
33 14 13 13-0720	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,915.89	214.02
33 14 13 13-0721	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,971.18	223.21
33 14 13 13-0722	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,104.20	235.75
33 14 13 13-0723	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,344.22	257.49
33 14 13 13-0724	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,915.97	283.41
33 14 13 13-0725	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,948.96	289.26
33 14 13 13-0726	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,122.86	294.28
33 14 13 13-0727	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,220.14	300.13
33 14 13 13-0728	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,247.19	309.32
33 14 13 13-0729	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,232.41	321.86
33 14 13 13-0730	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,798.66	343.60
33 14 13 13-0731	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,462.34	386.24
33 14 13 13-0732	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,345.98	368.68
33 14 13 13-0733	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,369.97	375.37
33 14 13 13-0734	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,411.68	379.55
33 14 13 13-0735	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,471.71	385.40
33 14 13 13-0736	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,775.73	394.60
33 14 13 13-0737	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,891.93	407.14
33 14 13 13-0738	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,500.25	428.87
33 14 13 13-0739	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,637.35	472.34
33 14 13 13-0740	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,470.84	514.99
33 14 13 13-0741	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,930.48	429.71
33 14 13 13-0742	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,763.40	435.56
33 14 13 13-0743	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,961.93	440.58
33 14 13 13-0744	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,161.35	446.43
33 14 13 13-0745	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,445.55	455.63
33 14 13 13-0746	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,754.59	606.11
33 14 13 13-0747	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,752.50	489.90
33 14 13 13-0748	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,782.05	532.54
33 14 13 13-0749	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,998.87	575.18
33 14 13 13-0750	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,901.66	606.11
33 14 13 13-0751	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,088.46	483.21
33 14 13 13-0752	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,532.72	488.23
33 14 13 13-0753	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,774.79	494.08
33 14 13 13-0754	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,950.24	503.28
33 14 13 13-0755	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,129.52	515.82
33 14 13 13-0756	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,472.27	537.55
33 14 13 13-0757	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,847.91	580.19
33 14 13 13-0758	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,463.64	622.82
33 14 13 13-0759	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,259.50	677.17
33 14 13 13-0760	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,303.69	677.17
33 14 13 13-0761	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,253.82	520.83
33 14 13 13-0762	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,438.88	529.20
33 14 13 13-0763	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,348.73	542.57
33 14 13 13-0764	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,752.50	564.31
33 14 13 13-0765	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,817.50	606.95
33 14 13 13-0766	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,893.66	649.58
33 14 13 13-0767	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,085.72	680.51
33 14 13 13-0768	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,384.39	703.92
33 14 13 13-0769	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,034.19	717.30
33 14 13 13-0770	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,756.37	562.63
33 14 13 13-0771	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,948.64	571.83
33 14 13 13-0772	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,221.64	585.21
33 14 13 13-0773	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,506.13	606.11
33 14 13 13-0774	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,824.68	649.58
33 14 13 13-0775	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,923.12	692.22
33 14 13 13-0776	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,785.66	722.32
33 14 13 13-0777	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,414.31	746.56
33 14 13 13-0778	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,919.38	759.93
33 14 13 13-0779	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,027.93	780.84

33 14 13 13-0780 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0598)*

33 14 13 13-0781	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	250.87	52.95
33 14 13 13-0782	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	271.90	52.95
33 14 13 13-0783	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	313.97	55.43
33 14 13 13-0784	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	353.38	70.25
33 14 13 13-0785	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	390.21	73.02
33 14 13 13-0786	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	471.30	81.82
33 14 13 13-0787	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	601.28	84.46
33 14 13 13-0788	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	566.42	93.26
33 14 13 13-0789	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	632.30	99.41
33 14 13 13-0790	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	856.78	91.12

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0791	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	895.75	99.49
33 14 13 13-0792	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	997.24	105.33
33 14 13 13-0793	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,085.22	110.35
33 14 13 13-0794	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,038.72	101.99
33 14 13 13-0795	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,173.81	110.35
33 14 13 13-0796	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,378.04	116.20
33 14 13 13-0797	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,383.12	121.22
33 14 13 13-0798	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,287.53	127.07
33 14 13 13-0799	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,513.90	128.74
33 14 13 13-0800	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,730.14	134.59
33 14 13 13-0801	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,251.91	139.61
33 14 13 13-0802	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,411.66	145.46
33 14 13 13-0803	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,359.41	154.67
33 14 13 13-0804	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,591.28	154.67
33 14 13 13-0805	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,749.85	159.68
33 14 13 13-0806	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,058.93	165.53
33 14 13 13-0807	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,124.36	170.54
33 14 13 13-0808	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,608.02	179.74
33 14 13 13-0809	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,483.30	193.12
33 14 13 13-0810	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,239.55	198.14
33 14 13 13-0811	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,408.34	203.15
33 14 13 13-0812	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,571.41	208.17
33 14 13 13-0813	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,748.00	214.02
33 14 13 13-0814	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,781.06	223.21
33 14 13 13-0815	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,820.35	235.75
33 14 13 13-0816	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,588.15	257.49
33 14 13 13-0817	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,674.18	283.41
33 14 13 13-0818	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,732.41	289.26
33 14 13 13-0819	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,992.82	294.28
33 14 13 13-0820	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,251.11	300.13
33 14 13 13-0821	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,285.97	309.32
33 14 13 13-0822	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,328.27	321.86
33 14 13 13-0823	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,845.26	343.60
33 14 13 13-0824	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,665.14	386.24
33 14 13 13-0825	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,259.80	368.68
33 14 13 13-0826	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,302.41	374.53
33 14 13 13-0827	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,663.75	379.55
33 14 13 13-0828	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,830.12	385.40
33 14 13 13-0829	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,403.30	394.60
33 14 13 13-0830	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,881.18	407.14
33 14 13 13-0831	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,451.64	428.87
33 14 13 13-0832	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,990.08	472.34
33 14 13 13-0833	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,350.15	514.99
33 14 13 13-0834	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,608.84	429.71
33 14 13 13-0835	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,392.23	435.56
33 14 13 13-0836	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,814.26	440.58
33 14 13 13-0837	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,237.18	446.43
33 14 13 13-0838	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,837.40	455.63
33 14 13 13-0839	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,484.68	468.17
33 14 13 13-0840	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,727.72	489.90
33 14 13 13-0841	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,086.52	532.54
33 14 13 13-0842	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,574.89	575.18
33 14 13 13-0843	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,454.85	606.11
33 14 13 13-0844	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,505.89	494.08
33 14 13 13-0845	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,992.55	503.28
33 14 13 13-0846	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,478.84	515.82
33 14 13 13-0847	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,415.78	537.55
33 14 13 13-0848	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,388.61	580.19
33 14 13 13-0849	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,062.35	622.82
33 14 13 13-0850	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,097.66	653.77
33 14 13 13-0851	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,754.73	677.17
33 14 13 13-0852	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,026.83	606.95
33 14 13 13-0853	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,536.84	649.58
33 14 13 13-0854	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,932.29	680.51
33 14 13 13-0855	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,054.66	703.92
33 14 13 13-0856	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,510.53	717.30
33 14 13 13-0857	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,775.06	649.58
33 14 13 13-0858	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,381.25	692.22
33 14 13 13-0859	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,848.19	722.32
33 14 13 13-0860	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,157.41	746.56
33 14 13 13-0861	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,431.36	759.93
33 14 13 13-0862	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,880.23	780.84

33 14 13 13-0863 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0598)*

33 14 13 13-0864	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	436.46	81.82
33 14 13 13-0865	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	536.38	93.26

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0866	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	743.15	99.49
33 14 13 13-0867	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	852.38	110.35
33 14 13 13-0868	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,114.36	128.74
33 14 13 13-0869	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,355.76	154.67
33 14 13 13-0870	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,611.72	198.14
33 14 13 13-0871	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,179.72	283.41
33 14 13 13-0872	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,558.95	368.68
33 14 13 13-0873	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,494.63	429.71

33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0598)*

33 14 13 13-0875	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	257.34	63.17
33 14 13 13-0876	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	313.84	68.75
33 14 13 13-0877	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	380.15	69.50
33 14 13 13-0878	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	412.34	86.17
33 14 13 13-0879	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	476.62	93.26
33 14 13 13-0880	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	536.43	116.13
33 14 13 13-0881	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	508.45	102.05
33 14 13 13-0882	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	603.11	124.93
33 14 13 13-0883	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	604.31	133.72
33 14 13 13-0884	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	588.22	107.01
33 14 13 13-0885	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	666.12	128.74
33 14 13 13-0886	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	779.60	137.11
33 14 13 13-0887	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	843.60	147.13
33 14 13 13-0888	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	740.31	116.20
33 14 13 13-0889	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	859.68	137.94
33 14 13 13-0890	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	930.50	146.30
33 14 13 13-0891	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,075.02	156.33
33 14 13 13-0892	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,218.10	165.53
33 14 13 13-0893	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,245.24	151.32
33 14 13 13-0894	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,462.06	159.68
33 14 13 13-0895	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,502.04	170.54
33 14 13 13-0896	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,585.04	178.91
33 14 13 13-0897	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,752.53	193.12
33 14 13 13-0898	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,394.65	171.38
33 14 13 13-0899	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,583.84	178.91
33 14 13 13-0900	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,890.56	189.78
33 14 13 13-0901	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,104.54	198.97
33 14 13 13-0902	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,535.78	212.34
33 14 13 13-0903	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,653.94	231.57
33 14 13 13-0904	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,340.72	202.32
33 14 13 13-0905	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,474.04	210.68
33 14 13 13-0906	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,590.30	220.71
33 14 13 13-0907	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,806.68	229.90
33 14 13 13-0908	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,269.77	243.28
33 14 13 13-0909	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,481.05	262.51
33 14 13 13-0910	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,649.11	294.28
33 14 13 13-0911	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,942.68	254.15
33 14 13 13-0912	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,077.19	261.67
33 14 13 13-0913	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,172.44	272.54
33 14 13 13-0914	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,387.01	281.74
33 14 13 13-0915	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,448.75	295.11
33 14 13 13-0916	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,162.91	314.34
33 14 13 13-0917	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,330.96	345.27
33 14 13 13-0918	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,691.38	397.11
33 14 13 13-0919	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,006.44	317.69
33 14 13 13-0920	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,100.35	326.04
33 14 13 13-0921	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,256.02	336.08
33 14 13 13-0922	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,390.70	345.27
33 14 13 13-0923	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,471.67	358.65
33 14 13 13-0924	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,642.70	377.88
33 14 13 13-0925	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,120.49	409.65
33 14 13 13-0926	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,459.88	460.64
33 14 13 13-0927	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,121.11	524.18
33 14 13 13-0928	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,165.65	422.19
33 14 13 13-0929	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,289.12	432.22
33 14 13 13-0930	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,409.98	441.41
33 14 13 13-0931	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,554.64	454.80
33 14 13 13-0932	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,722.66	474.86
33 14 13 13-0933	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,923.76	505.79
33 14 13 13-0934	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,185.65	556.78
33 14 13 13-0935	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,193.27	621.16

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0936	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,572.71	717.30
33 14 13 13-0937	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,544.56	457.30
33 14 13 13-0938	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,666.83	467.33
33 14 13 13-0939	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,772.68	476.53
33 14 13 13-0940	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,900.50	490.73
33 14 13 13-0941	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,052.30	509.97
33 14 13 13-0942	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,237.18	540.90
33 14 13 13-0943	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,484.05	592.73
33 14 13 13-0944	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,901.95	656.27
33 14 13 13-0945	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,277.25	752.41
33 14 13 13-0946	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,570.52	788.36
33 14 13 13-0947	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,414.87	497.43
33 14 13 13-0948	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,655.05	510.81
33 14 13 13-0949	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,802.65	530.87
33 14 13 13-0950	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,010.35	561.80
33 14 13 13-0951	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,381.59	613.63
33 14 13 13-0952	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,134.73	677.17
33 14 13 13-0953	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,933.26	773.31
33 14 13 13-0954	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,718.38	808.42
33 14 13 13-0955	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,183.60	829.33
33 14 13 13-0956	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,390.74	579.35
33 14 13 13-0957	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,499.35	592.73
33 14 13 13-0958	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,645.15	611.96
33 14 13 13-0959	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,809.58	642.90
33 14 13 13-0960	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,034.83	694.72
33 14 13 13-0961	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,408.88	758.26
33 14 13 13-0962	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,389.98	854.41
33 14 13 13-0963	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,236.64	890.35
33 14 13 13-0964	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,198.86	911.25
33 14 13 13-0965	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,977.00	992.35

33 14 13 13-0966 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0598)*

33 14 13 13-0967	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	175.25	34.37
33 14 13 13-0968	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	241.31	43.08
33 14 13 13-0969	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	264.16	45.75
33 14 13 13-0970	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	340.34	51.91
33 14 13 13-0971	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	358.85	60.71
33 14 13 13-0972	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	409.93	54.34
33 14 13 13-0973	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	433.27	62.70
33 14 13 13-0974	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	453.06	68.55
33 14 13 13-0975	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	471.75	60.19
33 14 13 13-0976	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	523.34	68.55
33 14 13 13-0977	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	535.31	73.57
33 14 13 13-0978	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	560.82	79.42
33 14 13 13-0979	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	796.71	77.75
33 14 13 13-0980	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	805.09	82.77
33 14 13 13-0981	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	712.83	88.62
33 14 13 13-0982	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	730.20	93.64
33 14 13 13-0983	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	953.17	90.29
33 14 13 13-0984	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	930.90	96.14
33 14 13 13-0985	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	882.50	101.16
33 14 13 13-0986	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	877.03	106.18
33 14 13 13-0987	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	988.20	115.37
33 14 13 13-0988	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,050.75	117.04
33 14 13 13-0989	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,177.79	122.89
33 14 13 13-0990	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,133.28	127.91

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0991	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,342.97	137.11
33 14 13 13-0992	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,198.42	150.48
33 14 13 13-0993	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,402.34	160.52
33 14 13 13-0994	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,416.42	165.53
33 14 13 13-0995	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,302.23	171.38
33 14 13 13-0996	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,308.26	180.58
33 14 13 13-0997	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,289.26	193.12
33 14 13 13-0998	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,514.87	214.86
33 14 13 13-0999	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,775.57	214.02
33 14 13 13-1000	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,806.24	223.21
33 14 13 13-1001	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,844.93	235.75
33 14 13 13-1002	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,835.61	257.49
33 14 13 13-1003	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,119.92	300.13
33 14 13 13-1004	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,146.65	265.85
33 14 13 13-1005	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,288.15	287.59
33 14 13 13-1006	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,207.75	331.06
33 14 13 13-1007	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,788.32	373.70
33 14 13 13-1008	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,152.82	354.47
33 14 13 13-1009	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,910.63	397.11
33 14 13 13-1010	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,177.78	428.04
33 14 13 13-1011	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,979.17	303.47
33 14 13 13-1012	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,961.44	325.21
33 14 13 13-1013	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,007.83	367.84
33 14 13 13-1014	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,264.29	410.48
33 14 13 13-1015	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,197.67	441.41
33 14 13 13-1016	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,441.60	464.82
33 14 13 13-1017	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,492.25	324.37
33 14 13 13-1018	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,273.87	346.10
33 14 13 13-1019	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,953.16	388.75
33 14 13 13-1020	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,179.58	432.22
33 14 13 13-1021	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,562.42	462.32
33 14 13 13-1022	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,468.97	485.73
33 14 13 13-1023	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,188.46	499.10

33 14 13 13-1024 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0598)*

33 14 13 13-1025	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	192.28	72.58
33 14 13 13-1026	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	229.97	85.34
33 14 13 13-1027	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	322.30	106.45
33 14 13 13-1028	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	415.64	121.41
33 14 13 13-1029	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	570.06	183.93
33 14 13 13-1030	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	694.53	200.64
33 14 13 13-1031	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	783.81	220.71
33 14 13 13-1032	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	935.71	244.95
33 14 13 13-1033	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,087.29	275.89
33 14 13 13-1034	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,297.81	315.17
33 14 13 13-1035	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,635.78	367.84
33 14 13 13-1036	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,792.64	441.41
33 14 13 13-1037	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,444.41	551.77

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1038	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	6,302.28	662.12
33 14 13 13-1039	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,463.33	735.69
33 14 13 13-1040		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0598)*		
33 14 13 13-1041	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	192.88	72.58
33 14 13 13-1042	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	235.98	85.34
33 14 13 13-1043	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	337.93	106.45
33 14 13 13-1044	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	431.26	121.41
33 14 13 13-1045	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	659.58	183.93
33 14 13 13-1046	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	714.96	200.64
33 14 13 13-1047	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	914.18	220.71
33 14 13 13-1048	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,086.51	244.95
33 14 13 13-1049	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,280.15	275.89
33 14 13 13-1050	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,558.56	315.17
33 14 13 13-1051	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,007.07	367.84
33 14 13 13-1052	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,305.72	441.41
33 14 13 13-1053	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,763.44	551.77
33 14 13 13-1054	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	6,342.53	662.12
33 14 13 13-1055	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	8,317.07	735.69
33 14 13 13-1056		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0598)*		
33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	271.10	110.32
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	344.35	127.56
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	461.23	160.11
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	584.71	182.12
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	867.40	275.89
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,013.54	300.96
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,276.63	331.06
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,442.92	367.84
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,839.42	413.83
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,127.86	473.19
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,559.71	551.77
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,866.03	662.12
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,201.88	827.65
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,937.10	945.53
33 14 13 13-1071	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,565.61	1,103.53
33 14 13 13-1072		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0598)*		
33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	278.31	110.32
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	335.34	127.56
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	471.45	160.11
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	612.35	182.12
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	828.95	275.89
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	977.49	300.96
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,199.73	331.06
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,402.06	367.84
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,654.38	413.83
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,919.38	473.19
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,368.65	551.77
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,766.90	662.12
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,870.84	827.65
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,237.33	944.70
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,031.23	1,103.53
33 14 13 13-1088		Push-On Joint Ductile Iron Piping *(33 14 13 13-0001)*		
33 14 13 13-1089		Push-On Joint Ductile Iron Pipe *(33 14 13 13-1088)*		

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1090	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	23.65	7.26
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*8.86*	
		For Cement Mortar Lining (CML), Add	*1.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*6.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*0.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.18*	
		For Class 51, Add	*1.23*	
		For Class 52, Add	*2.74*	
		For Class 53, Add	*7.19*	
		For Class 54, Add	*10.24*	
		For Class 55, Add	*11.80*	
		For Class 56, Add	*13.33*	
33 14 13 13-1091	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	25.93	8.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*9.72*	
		For Cement Mortar Lining (CML), Add	*1.39*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.50*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.04*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.30*	
		For Class 51, Add	*1.35*	
		For Class 52, Add	*3.01*	
		For Class 53, Add	*7.89*	
		For Class 54, Add	*11.24*	
		For Class 55, Add	*12.95*	
		For Class 56, Add	*14.62*	
33 14 13 13-1092	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	32.17	8.80
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.28*	
		For Cement Mortar Lining (CML), Add	*1.90*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.24*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.42*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.61*	
		For Class 51, Add	*1.80*	
		For Class 52, Add	*4.03*	
		For Class 53, Add	*10.66*	
		For Class 54, Add	*15.20*	
		For Class 55, Add	*17.49*	
		For Class 56, Add	*19.74*	
33 14 13 13-1093	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	45.58	12.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.06*	
		For Cement Mortar Lining (CML), Add	*2.68*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.39*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.01*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.28*	
		For Class 51, Add	*2.55*	
		For Class 52, Add	*5.69*	
		For Class 53, Add	*15.05*	
		For Class 54, Add	*21.46*	
		For Class 55, Add	*24.69*	
		For Class 56, Add	*27.87*	
33 14 13 13-1094	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	52.81	13.79
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.96*	
		For Cement Mortar Lining (CML), Add	*3.19*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.76*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.64*	
		For Class 51, Add	*3.02*	
		For Class 52, Add	*6.75*	
		For Class 53, Add	*17.88*	
		For Class 54, Add	*25.50*	
		For Class 55, Add	*29.34*	
		For Class 56, Add	*33.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1095	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	64.18	15.55
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.90*	
		For Cement Mortar Lining (CML), Add	*4.07*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.21*	
		For Class 51, Add	*3.80*	
		For Class 52, Add	*8.52*	
		For Class 53, Add	*22.68*	
		For Class 54, Add	*32.35*	
		For Class 55, Add	*37.21*	
		For Class 56, Add	*41.97*	
33 14 13 13-1096	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	75.95	17.72
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*20.14*	
		For Cement Mortar Lining (CML), Add	*4.91*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*15.22*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.68*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.80*	
		For Class 51, Add	*4.57*	
		For Class 52, Add	*10.25*	
		For Class 53, Add	*27.32*	
		For Class 54, Add	*38.98*	
		For Class 55, Add	*44.82*	
		For Class 56, Add	*50.56*	
33 14 13 13-1097	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	88.39	20.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.39*	
		For Cement Mortar Lining (CML), Add	*5.70*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.28*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.42*	
		For Class 51, Add	*5.31*	
		For Class 52, Add	*11.91*	
		For Class 53, Add	*31.74*	
		For Class 54, Add	*45.28*	
		For Class 55, Add	*52.07*	
		For Class 56, Add	*58.74*	
33 14 13 13-1098	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	102.14	24.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.52*	
		For Cement Mortar Lining (CML), Add	*6.45*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*11.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.84*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.11*	
		For Class 51, Add	*6.04*	
		For Class 52, Add	*13.53*	
		For Class 53, Add	*35.99*	
		For Class 54, Add	*51.33*	
		For Class 55, Add	*59.03*	
		For Class 56, Add	*66.60*	
33 14 13 13-1099	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	129.16	31.02
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*25.45*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.24*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.16*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.46*	
		For Class 51, Add	*7.67*	
		For Class 52, Add	*17.19*	
		For Class 53, Add	*45.76*	
		For Class 54, Add	*65.27*	
		For Class 55, Add	*75.06*	
		For Class 56, Add	*84.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1100	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	152.33	33.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.67*	
		For Cement Mortar Lining (CML), Add	*10.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.66*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.62*	
		For Class 51, Add	*9.44*	
		For Class 52, Add	*21.19*	
		For Class 53, Add	*56.63*	
		For Class 54, Add	*80.81*	
		For Class 55, Add	*92.89*	
		For Class 56, Add	*104.76*	
33 14 13 13-1101	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	187.84	35.19
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*41.70*	
		For Cement Mortar Lining (CML), Add	*13.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.09*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.39*	
		For Class 51, Add	*12.27*	
		For Class 52, Add	*27.57*	
		For Class 53, Add	*74.08*	
		For Class 54, Add	*105.75*	
		For Class 55, Add	*121.49*	
		For Class 56, Add	*136.95*	
33 14 13 13-1102	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	227.94	37.29
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*53.17*	
		For Cement Mortar Lining (CML), Add	*17.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.86*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.40*	
		For Class 51, Add	*15.51*	
		For Class 52, Add	*34.87*	
		For Class 53, Add	*94.03*	
		For Class 54, Add	*134.27*	
		For Class 55, Add	*154.20*	
		For Class 56, Add	*173.77*	
33 14 13 13-1103	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	273.43	39.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*66.28*	
		For Cement Mortar Lining (CML), Add	*21.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.04*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.67*	
		For Class 51, Add	*19.20*	
		For Class 52, Add	*43.21*	
		For Class 53, Add	*116.82*	
		For Class 54, Add	*166.85*	
		For Class 55, Add	*191.57*	
		For Class 56, Add	*215.83*	
33 14 13 13-1104	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	345.14	41.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*87.56*	
		For Cement Mortar Lining (CML), Add	*28.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.18*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-17.26*	
		For Class 51, Add	*25.16*	
		For Class 52, Add	*56.67*	
		For Class 53, Add	*153.71*	
		For Class 54, Add	*219.60*	
		For Class 55, Add	*252.04*	
		For Class 56, Add	*283.89*	

33 14 13 13-1105 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1088)*

33 14 13 13-1106	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	151.76	28.33
		For Cement Mortar Lining (CML), Add	*10.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.16*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1107	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	220.20	41.79
		For Cement Mortar Lining (CML), Add	*15.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	292.81	49.62
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	442.72	55.01
		For Cement Mortar Lining (CML), Add	*32.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	568.59	64.54
		For Cement Mortar Lining (CML), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1111	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,104.13	72.40
		For Cement Mortar Lining (CML), Add	*95.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1112	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	1,248.52	82.77
		For Cement Mortar Lining (CML), Add	*107.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*193.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1113	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	1,939.82	115.87
		For Cement Mortar Lining (CML), Add	*170.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*306.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1114	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	2,186.17	146.05
		For Cement Mortar Lining (CML), Add	*189.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1115	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	2,729.84	182.59
		For Cement Mortar Lining (CML), Add	*236.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*425.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.36*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1116 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1088)*

33 14 13 13-1117	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	127.01	28.33
		For Cement Mortar Lining (CML), Add	*8.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1118	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	186.93	41.79
		For Cement Mortar Lining (CML), Add	*12.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1119	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	257.01	49.62
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.63*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1120	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	393.30	55.01
		For Cement Mortar Lining (CML), Add	*27.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1121	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	505.61	64.54
		For Cement Mortar Lining (CML), Add	*37.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1122	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	710.88	72.40
		For Cement Mortar Lining (CML), Add	*56.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,042.60	82.77
		For Cement Mortar Lining (CML), Add	*87.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1124	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,207.28	115.87
		For Cement Mortar Lining (CML), Add	*96.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*174.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,684.63	146.05
		For Cement Mortar Lining (CML), Add	*139.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*250.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,091.05	182.59
		For Cement Mortar Lining (CML), Add	*172.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127		**Push-On Joint Ductile Iron Tee** *(33 14 13 13-1088)*		
33 14 13 13-1128	EA	4" Tee, Push-On Joint Ductile Iron	231.60	41.79
		For Cement Mortar Lining (CML), Add	*16.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129	EA	6" Tee, Push-On Joint Ductile Iron	323.32	61.41
		For Cement Mortar Lining (CML), Add	*23.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130	EA	8" Tee, Push-On Joint Ductile Iron	439.29	74.43
		For Cement Mortar Lining (CML), Add	*32.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131	EA	10" Tee, Push-On Joint Ductile Iron	639.02	83.60
		For Cement Mortar Lining (CML), Add	*51.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132	EA	12" Tee, Push-On Joint Ductile Iron	794.02	96.39
		For Cement Mortar Lining (CML), Add	*64.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.58*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1133	EA	14" Tee, Push-On Joint Ductile Iron	1,268.15	115.87
		For Cement Mortar Lining (CML), Add	*109.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134	EA	16" Tee, Push-On Joint Ductile Iron	1,826.94	144.88
		For Cement Mortar Lining (CML), Add	*160.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135	EA	18" Tee, Push-On Joint Ductile Iron	2,299.29	193.28
		For Cement Mortar Lining (CML), Add	*200.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1136	EA	20" Tee, Push-On Joint Ductile Iron	2,711.68	235.84
		For Cement Mortar Lining (CML), Add	*235.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1137	EA	24" Tee, Push-On Joint Ductile Iron	3,547.85	294.78
		For Cement Mortar Lining (CML), Add	*310.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*558.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.59*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1138 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1088)*

33 14 13 13-1139	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	225.81	98.27
		For Cement Mortar Lining (CML), Add	*7.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1140	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	277.58	121.68
		For Cement Mortar Lining (CML), Add	*9.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1141	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	349.10	141.90
		For Cement Mortar Lining (CML), Add	*13.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1142	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	488.34	206.91
		For Cement Mortar Lining (CML), Add	*17.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1143	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	579.75	236.51
		For Cement Mortar Lining (CML), Add	*22.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1144	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	653.94	254.65
		For Cement Mortar Lining (CML), Add	*26.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1145	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	756.02	275.89
		For Cement Mortar Lining (CML), Add	*33.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.35*	
		Note: ANSI/AWWA C151/A21.51		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1146	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	897.90	331.06
		For Cement Mortar Lining (CML), Add	*39.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1147	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,029.41	367.84
		For Cement Mortar Lining (CML), Add	*47.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	1,260.85	424.45
		For Cement Mortar Lining (CML), Add	*61.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	1,880.42	509.30
		For Cement Mortar Lining (CML), Add	*110.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*199.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	2,546.57	636.63
		For Cement Mortar Lining (CML), Add	*158.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*284.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	3,163.11	735.69
		For Cement Mortar Lining (CML), Add	*204.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*368.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	4,042.72	945.86
		For Cement Mortar Lining (CML), Add	*260.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*469.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	4,875.08	1,103.79
		For Cement Mortar Lining (CML), Add	*320.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*576.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*240.20*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1154 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1088)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1155	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	32.60	10.65
33 14 13 13-1156	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	36.18	10.65
33 14 13 13-1157	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	48.39	15.04
33 14 13 13-1158	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.10	16.56
33 14 13 13-1159	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	69.06	18.39
33 14 13 13-1160	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	87.07	20.65
33 14 13 13-1161	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	102.69	23.66
33 14 13 13-1162	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.69	27.59
33 14 13 13-1163	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	138.53	33.11
33 14 13 13-1164	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	163.79	33.11
33 14 13 13-1165	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	216.59	41.38
33 14 13 13-1166	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	275.24	41.38
33 14 13 13-1167	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	354.12	55.18
33 14 13 13-1168	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	406.24	55.18
33 14 13 13-1169	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	550.47	55.18

33 14 13 13-1170 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1088)*

33 14 13 13-1171	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	161.07	56.43
33 14 13 13-1172	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	210.26	68.89
33 14 13 13-1173	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	268.97	84.02
33 14 13 13-1174	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	396.44	102.50
33 14 13 13-1175	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	490.98	124.99

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1176	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	823.04	152.49
33 14 13 13-1177	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	944.10	186.09
33 14 13 13-1178	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,077.68	226.98
33 14 13 13-1179	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,453.05	276.97
33 14 13 13-1180	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	1,847.69	337.84
33 14 13 13-1181	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	3,125.39	412.24
33 14 13 13-1182	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	4,404.03	502.87
33 14 13 13-1183	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	7,888.28	613.55
33 14 13 13-1184	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	10,188.17	748.48

33 14 13 13-1185 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1186 Ductile Iron Pipe Repair *(33 14 13 13-1185)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

33 14 13 13-1187	EA	30" Diameter Mechanical Ductile Iron Push Joint	2,358.48	
33 14 13 13-1188	EA	36" Diameter Mechanical Ductile Iron Push Joint	2,985.04	
33 14 13 13-1189	EA	42" Diameter Mechanical Ductile Iron Push Joint	3,759.77	
33 14 13 13-1190	EA	48" Diameter Mechanical Ductile Iron Push Joint	4,714.75	
33 14 13 13-1191	EA	54" Diameter Mechanical Ductile Iron Push Joint	6,808.25	

33 14 13 13-1192 WEKO Seals *(33 14 13 13-1185)*

Note: Internal joint seal.

33 14 13 13-1193	EA	16" WEKO Internal Joint Seal	1,289.96	156.82
		For Extra Wide Seals, Add	*81.88*	
33 14 13 13-1194	EA	18" WEKO Internal Joint Seal	1,373.96	165.59
		For Extra Wide Seals, Add	*82.55*	
33 14 13 13-1195	EA	20" WEKO Internal Joint Seal	1,457.84	174.36
		For Extra Wide Seals, Add	*83.21*	
33 14 13 13-1196	EA	24" WEKO Internal Joint Seal	1,545.29	188.31
		For Extra Wide Seals, Add	*84.27*	
33 14 13 13-1197	EA	30" WEKO Internal Joint Seal	1,596.89	202.26
		For Extra Wide Seals, Add	*85.32*	
33 14 13 13-1198	EA	36" WEKO Internal Joint Seal	1,677.07	219.69
		For Extra Wide Seals, Add	*86.64*	
33 14 13 13-1199	EA	42" WEKO Internal Joint Seal	1,789.42	240.62
		For Extra Wide Seals, Add	*88.23*	
33 14 13 13-1200	EA	48" WEKO Internal Joint Seal	1,932.34	258.06
		For Extra Wide Seals, Add	*89.55*	
33 14 13 13-1201	EA	54" WEKO Internal Joint Seal	2,005.46	272.00
		For Extra Wide Seals, Add	*90.61*	
33 14 13 13-1202	EA	60" WEKO Internal Joint Seal	2,092.72	292.93
		For Extra Wide Seals, Add	*92.19*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23)*

Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.

33 14 13 23-0002 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	7.81	2.86
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	11.21	3.46
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	15.18	3.89
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	19.80	4.33
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	25.46	4.84

33 14 13 23-0008 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0009	LF	4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	8.57	2.86
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	12.77	3.46
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.81	3.89
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.90	4.33
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	31.18	4.84

33 14 13 23-0014 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0015	LF	4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	9.31	2.86
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	14.32	3.46
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	20.45	3.89
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	27.90	4.33
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	36.89	4.84

33 14 13 23-0020 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0021	LF	18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	32.12	7.27
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	38.99	8.65
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	51.37	10.38
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	72.07	12.11
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	97.33	13.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	121.22	14.71
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	151.40	15.83
33 14 13 23-0028		**AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	23.74	5.45
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	29.22	6.06
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	36.08	7.27
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	44.13	8.65
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	59.31	10.38
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	83.45	12.11
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	112.57	13.85
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	146.55	14.71
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	184.27	15.83
33 14 13 23-0038		**AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	26.79	5.45
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	33.45	6.06
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	41.33	7.27
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	50.95	8.65
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	69.09	10.38
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	98.15	12.11
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	134.04	13.85
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	171.98	14.71
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	217.46	15.83
33 14 13 23-0048		**AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	31.99	5.45
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	39.64	6.06
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	49.30	7.27
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	60.57	8.65
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	82.97	10.38
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	119.92	12.11
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	167.51	13.85
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	221.07	14.71
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	283.33	15.83
33 14 13 23-0058		**AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	35.91	5.45
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	44.73	6.06
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	55.72	7.27
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	68.57	8.65
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	94.48	10.38
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	137.63	12.11
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	193.38	13.85
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	256.53	14.71
33 14 13 23-0067		**AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	39.72	5.45
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	49.69	6.06
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	61.97	7.27
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	76.36	8.65
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	105.67	10.38
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	154.85	12.11
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	218.54	13.85
33 14 13 23-0075		**AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		**90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 14 13 23-0075)*		
33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	102.44	9.80
		For DR 25, Deduct	*-4.97*	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	202.90	11.03
		For DR 25, Deduct	*-10.85*	
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	301.50	12.25
		For DR 25, Deduct	*-16.62*	
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	461.27	19.60
		For DR 25, Deduct	*-25.32*	
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	525.75	32.68
		For DR 25, Deduct	*-27.63*	
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	903.42	40.85
		For DR 25, Deduct	*-49.31*	
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,078.34	49.01
		For DR 25, Deduct	*-58.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,836.02	65.35
		For DR 25, Deduct	*-102.32*	
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,261.15	81.69
		For DR 25, Deduct	*-125.87*	
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,734.08	110.27
		For DR 25, Deduct	*-210.81*	
33 14 13 23-0087		45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	91.62	9.80
		For DR 25, Deduct	*-4.32*	
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	153.83	11.03
		For DR 25, Deduct	*-7.91*	
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	193.63	12.25
		For DR 25, Deduct	*-10.15*	
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	275.78	19.60
		For DR 25, Deduct	*-14.19*	
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	373.67	32.68
		For DR 25, Deduct	*-18.50*	
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	701.54	40.85
		For DR 25, Deduct	*-37.19*	
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	887.07	49.01
		For DR 25, Deduct	*-47.34*	
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,516.23	65.35
		For DR 25, Deduct	*-83.13*	
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,883.62	81.69
		For DR 25, Deduct	*-103.22*	
33 14 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,654.34	110.27
		For DR 25, Deduct	*-146.03*	
33 14 13 23-0098		22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	90.31	9.80
		For DR 25, Deduct	*-4.24*	
33 14 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	153.83	11.03
		For DR 25, Deduct	*-7.91*	
33 14 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	193.63	12.25
		For DR 25, Deduct	*-10.15*	
33 14 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	275.79	19.60
		For DR 25, Deduct	*-14.19*	
33 14 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	373.68	32.68
		For DR 25, Deduct	*-18.50*	
33 14 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	698.25	39.21
		For DR 25, Deduct	*-37.19*	
33 14 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	887.05	49.01
		For DR 25, Deduct	*-47.34*	
33 14 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,516.23	65.35
		For DR 25, Deduct	*-83.13*	
33 14 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,883.62	81.69
		For DR 25, Deduct	*-103.22*	
33 14 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,654.34	110.27
		For DR 25, Deduct	*-146.03*	
33 14 13 23-0109		11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	80.63	9.80
		For DR 25, Deduct	*-3.66*	
33 14 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	153.83	11.03
		For DR 25, Deduct	*-7.91*	
33 14 13 23-0112	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	193.63	12.25
		For DR 25, Deduct	*-10.15*	
33 14 13 23-0113	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	275.79	19.60
		For DR 25, Deduct	*-14.19*	
33 14 13 23-0114	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	373.68	32.68
		For DR 25, Deduct	*-18.50*	
33 14 13 23-0115	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	698.25	39.21
		For DR 25, Deduct	*-37.19*	
33 14 13 23-0116	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	887.05	49.01
		For DR 25, Deduct	*-47.34*	
33 14 13 23-0117	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,516.23	65.35
		For DR 25, Deduct	*-83.13*	
33 14 13 23-0118	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,883.62	81.69
		For DR 25, Deduct	*-103.22*	
33 14 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,654.34	110.27
		For DR 25, Deduct	*-146.03*	
33 14 13 23-0120		Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	121.28	11.03
		For DR 25, Deduct	*-5.95*	
33 14 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	227.36	12.25
		For DR 25, Deduct	*-12.17*	
33 14 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	314.84	13.89
		For DR 25, Deduct	*-17.22*	
33 14 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	646.25	24.50
		For DR 25, Deduct	*-35.83*	
33 14 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	803.45	49.01
		For DR 25, Deduct	*-42.33*	
33 14 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,430.10	61.26
		For DR 25, Deduct	*-78.46*	
33 14 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,769.54	73.52
		For DR 25, Deduct	*-97.35*	
33 14 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,236.77	98.02
		For DR 25, Deduct	*-122.44*	
33 14 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,689.79	122.53
		For DR 25, Deduct	*-146.68*	
33 14 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,625.10	83.32
		For DR 25, Deduct	*-207.51*	

33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	229.23	15.93
		For DR 25, Deduct	*-11.84*	
33 14 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	308.37	17.16
		For DR 25, Deduct	*-16.44*	
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	316.22	17.76
		For DR 25, Deduct	*-16.84*	
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,030.85	24.50
		For DR 25, Deduct	*-178.91*	
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	551.36	25.12
		For DR 25, Deduct	*-30.07*	
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	588.96	25.73
		For DR 25, Deduct	*-32.25*	
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	632.31	37.58
		For DR 25, Deduct	*-33.43*	
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	722.04	38.18
		For DR 25, Deduct	*-38.74*	
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	764.69	38.80
		For DR 25, Deduct	*-41.22*	
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	781.36	42.47
		For DR 25, Deduct	*-41.78*	
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,170.94	44.11
		For DR 25, Deduct	*-64.96*	
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,217.14	44.72
		For DR 25, Deduct	*-67.66*	
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,263.47	45.34
		For DR 25, Deduct	*-70.37*	
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,315.65	49.01
		For DR 25, Deduct	*-73.06*	
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,373.72	55.55
		For DR 25, Deduct	*-75.76*	
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,460.43	53.91
		For DR 25, Deduct	*-81.16*	
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,505.40	53.91
		For DR 25, Deduct	*-83.85*	
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,551.60	54.53
		For DR 25, Deduct	*-86.55*	
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,597.81	55.14
		For DR 25, Deduct	*-89.25*	
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,663.20	65.35
		For DR 25, Deduct	*-91.95*	
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,714.71	68.62
		For DR 25, Deduct	*-94.65*	
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,807.63	70.25
		For DR 25, Deduct	*-100.03*	
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,854.16	70.86
		For DR 25, Deduct	*-102.75*	
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,900.36	71.47
		For DR 25, Deduct	*-105.44*	
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,952.70	75.15
		For DR 25, Deduct	*-108.14*	
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,010.72	81.69
		For DR 25, Deduct	*-110.84*	
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,061.93	84.96
		For DR 25, Deduct	*-113.52*	
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,127.58	89.86
		For DR 25, Deduct	*-116.87*	
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,290.71	86.59
		For DR 25, Deduct	*-127.05*	
33 14 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,368.73	87.20
		For DR 25, Deduct	*-131.66*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,399.74	87.82
		For DR 25, Deduct	*-133.45*	
33 14 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,436.90	91.49
		For DR 25, Deduct	*-135.24*	
33 14 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,479.76	98.02
		For DR 25, Deduct	*-137.02*	
33 14 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,534.59	101.29
		For DR 25, Deduct	*-139.92*	
33 14 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,592.68	106.19
		For DR 25, Deduct	*-142.82*	
33 14 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,641.24	114.36
		For DR 25, Deduct	*-144.75*	
33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,707.29	115.18
		For DR 25, Deduct	*-148.62*	
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,740.74	115.79
		For DR 25, Deduct	*-150.55*	
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,774.18	116.40
		For DR 25, Deduct	*-152.48*	
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,912.54	120.08
		For DR 25, Deduct	*-160.34*	
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,056.61	126.62
		For DR 25, Deduct	*-168.20*	
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,194.17	129.88
		For DR 25, Deduct	*-176.06*	
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,334.99	134.79
		For DR 25, Deduct	*-183.93*	
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,482.34	142.95
		For DR 25, Deduct	*-191.79*	
33 14 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,629.68	151.12
		For DR 25, Deduct	*-199.65*	

33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	171.52	19.60
		For DR 25, Deduct	*-7.94*	
33 14 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	298.03	22.05
		For DR 25, Deduct	*-15.24*	
33 14 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	408.02	24.50
		For DR 25, Deduct	*-21.54*	
33 14 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	824.64	39.21
		For DR 25, Deduct	*-44.77*	
33 14 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	979.99	49.01
		For DR 25, Deduct	*-52.92*	
33 14 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,765.28	65.35
		For DR 25, Deduct	*-98.07*	
33 14 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,191.11	81.69
		For DR 25, Deduct	*-121.67*	
33 14 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,812.68	130.70
		For DR 25, Deduct	*-153.08*	
33 14 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,382.71	163.37
		For DR 25, Deduct	*-183.36*	
33 14 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,763.93	220.56
		For DR 25, Deduct	*-259.37*	

33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	288.57	20.83
		For DR 25, Deduct	*-14.82*	
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	387.11	22.05
		For DR 25, Deduct	*-20.58*	
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	397.50	23.27
		For DR 25, Deduct	*-21.06*	
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	592.23	29.41
		For DR 25, Deduct	*-32.00*	
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	687.74	30.64
		For DR 25, Deduct	*-37.59*	
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	754.14	31.85
		For DR 25, Deduct	*-41.43*	
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	781.64	42.47
		For DR 25, Deduct	*-41.80*	
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	894.43	43.70
		For DR 25, Deduct	*-48.42*	
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	948.68	44.93
		For DR 25, Deduct	*-51.53*	
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	974.98	52.28
		For DR 25, Deduct	*-52.23*	
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,451.42	49.01
		For DR 25, Deduct	*-81.20*	
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,509.93	50.24
		For DR 25, Deduct	*-84.57*	
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,569.05	51.47
		For DR 25, Deduct	*-87.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,640.20	58.82
		For DR 25, Deduct	*-91.35*	
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,722.35	71.88
		For DR 25, Deduct	*-94.71*	
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,808.11	58.82
		For DR 25, Deduct	*-101.43*	
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,867.37	60.04
		For DR 25, Deduct	*-104.84*	
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,926.01	61.26
		For DR 25, Deduct	*-108.21*	
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,997.10	68.62
		For DR 25, Deduct	*-111.59*	
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,039.21	81.69
		For DR 25, Deduct	*-112.55*	
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,148.47	88.22
		For DR 25, Deduct	*-118.32*	
33 14 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,234.51	75.15
		For DR 25, Deduct	*-125.05*	
33 14 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,293.63	76.38
		For DR 25, Deduct	*-128.45*	
33 14 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,352.35	77.61
		For DR 25, Deduct	*-131.83*	
33 14 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,422.61	84.96
		For DR 25, Deduct	*-135.16*	
33 14 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,505.43	98.02
		For DR 25, Deduct	*-138.56*	
33 14 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,574.51	104.56
		For DR 25, Deduct	*-141.92*	
33 14 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,663.84	114.36
		For DR 25, Deduct	*-146.11*	
33 14 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,830.16	91.49
		For DR 25, Deduct	*-158.83*	
33 14 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,928.45	92.71
		For DR 25, Deduct	*-164.58*	
33 14 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,968.40	93.94
		For DR 25, Deduct	*-166.83*	
33 14 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,020.21	101.29
		For DR 25, Deduct	*-169.06*	
33 14 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,083.45	114.36
		For DR 25, Deduct	*-171.28*	
33 14 13 23-0222	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,156.46	120.90
		For DR 25, Deduct	*-174.88*	
33 14 13 23-0223	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,237.21	130.70
		For DR 25, Deduct	*-178.55*	
33 14 13 23-0224	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,310.03	147.04
		For DR 25, Deduct	*-180.96*	
33 14 13 23-0225	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,318.44	120.08
		For DR 25, Deduct	*-184.70*	
33 14 13 23-0226	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,379.25	121.31
		For DR 25, Deduct	*-188.20*	
33 14 13 23-0227	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,422.14	122.53
		For DR 25, Deduct	*-190.62*	
33 14 13 23-0228	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,600.42	129.88
		For DR 25, Deduct	*-200.44*	
33 14 13 23-0229	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,790.20	142.95
		For DR 25, Deduct	*-210.26*	
33 14 13 23-0230	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,966.86	149.49
		For DR 25, Deduct	*-220.07*	
33 14 13 23-0231	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,150.77	159.29
		For DR 25, Deduct	*-229.93*	
33 14 13 23-0232	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,346.69	175.63
		For DR 25, Deduct	*-239.73*	
33 14 13 23-0233	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,543.33	191.97
		For DR 25, Deduct	*-249.56*	

33 14 13 23-0234 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0235	EA	4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	64.22	9.80
		For DR 25, Deduct	*-2.68*	
33 14 13 23-0236	EA	6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	114.14	11.03
		For DR 25, Deduct	*-5.53*	
33 14 13 23-0237	EA	8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	136.62	12.25
		For DR 25, Deduct	*-6.73*	
33 14 13 23-0238	EA	10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	196.03	19.60
		For DR 25, Deduct	*-9.41*	
33 14 13 23-0239	EA	12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	306.69	24.50
		For DR 25, Deduct	*-15.46*	
33 14 13 23-0240	EA	14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	524.52	32.68
		For DR 25, Deduct	*-27.55*	
33 14 13 23-0241	EA	16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	622.99	40.85
		For DR 25, Deduct	*-32.48*	
33 14 13 23-0242	EA	18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,466.47	65.35
		For DR 25, Deduct	*-80.15*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0243	EA	20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,650.49	81.69
		For DR 25, Deduct	*-89.23*	
33 14 13 23-0244	EA	24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,320.29	110.27
		For DR 25, Deduct	*-125.98*	
33 14 13 23-0245		Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0246	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	77.80	9.80
		For DR 25, Deduct	*-3.49*	
33 14 13 23-0247	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	103.95	11.03
		For DR 25, Deduct	*-4.91*	
33 14 13 23-0248	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	148.22	12.25
		For DR 25, Deduct	*-7.42*	
33 14 13 23-0249	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	205.09	19.60
		For DR 25, Deduct	*-9.95*	
33 14 13 23-0250	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	329.62	32.68
		For DR 25, Deduct	*-15.86*	
33 14 13 23-0251	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	838.37	39.21
		For DR 25, Deduct	*-45.60*	
33 14 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,131.73	49.01
		For DR 25, Deduct	*-62.02*	
33 14 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,398.27	65.35
		For DR 25, Deduct	*-76.05*	
33 14 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,673.33	81.69
		For DR 25, Deduct	*-90.60*	
33 14 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,272.64	110.27
		For DR 25, Deduct	*-123.12*	
33 14 13 23-0256		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*		
33 14 13 23-0257		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*		
33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.87	0.66
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.04*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.07	0.70
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.42	0.77
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.80	0.85
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.63	0.95
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.19*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.69	1.08
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.30*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.73	1.20
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.16	1.48
		For >1,000, Deduct	*-0.41*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.67*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	14.41	1.89
		For >1,000, Deduct	*-0.72*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.46*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	22.98	2.61
		For >1,000, Deduct	*-1.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.47*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	34.30	3.50
		For >1,000, Deduct	*-1.72*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.83*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	47.78	4.71
		For >1,000, Deduct	*-2.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.40*	
33 14 13 23-0270		90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0256)*		
33 14 13 23-0271	EA	3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	19.87	7.84
33 14 13 23-0272	EA	1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	25.12	9.80
33 14 13 23-0273	EA	1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	31.66	12.25
33 14 13 23-0274	EA	1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	48.04	13.55
33 14 13 23-0275	EA	2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	51.96	15.19
33 14 13 23-0276	EA	2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	61.55	17.24
33 14 13 23-0277	EA	3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	68.96	19.31
33 14 13 23-0278	EA	4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	95.99	23.71
33 14 13 23-0279	EA	6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	138.61	30.12
33 14 13 23-0280	EA	8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	225.31	39.55
33 14 13 23-0281	EA	10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	276.68	52.91

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0282	EA	12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	365.63	71.21
33 14 13 23-0283		**45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	20.25	7.84
33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	25.39	9.80
33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	31.82	12.25
33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	43.08	13.55
33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	52.42	15.19
33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	63.43	17.24
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	68.17	19.31
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	94.28	23.71
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	135.16	30.12
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	218.74	39.55
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	249.45	52.91
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	327.94	71.21
33 14 13 23-0296		**Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	29.78	11.76
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	37.60	14.78
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	47.15	18.46
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.95	20.42
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	75.12	22.71
33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	87.50	25.89
33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	105.55	28.89
33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	138.93	35.60
33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	231.70	45.25
33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	348.10	59.31
33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	411.30	83.89
33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	513.65	112.90
33 14 13 23-0309		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	13.31	5.23
33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	17.97	7.02
33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.01	9.22
33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.76	10.21
33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	37.22	11.35
33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	42.33	12.91
33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	48.64	14.44
33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	66.97	17.77
33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	96.04	22.63
33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	164.14	29.65
33 14 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	194.97	41.98
33 14 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	248.21	56.44
33 14 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0322)*		
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.06	0.66
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.44	0.70
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.14	0.85
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.15*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.76	0.95
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.21*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.89	1.08
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.33*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.86	1.20
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.43*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.82	1.48
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.87	1.89
		For >1,000, Deduct	*-0.59*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.07*	
33 14 13 23-0332		**90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	20.01	7.84
33 14 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	25.20	9.80
33 14 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	35.07	13.55
33 14 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	39.64	15.19

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.71	17.24
33 14 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.81	19.31
33 14 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	70.63	23.71
33 14 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	111.46	30.12
33 14 13 23-0341		**45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	19.98	7.84
33 14 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	25.17	9.80
33 14 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	35.08	13.55
33 14 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	39.51	15.19
33 14 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.35	17.24
33 14 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.39	19.31
33 14 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	69.79	23.71
33 14 13 23-0349	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	108.79	30.12
33 14 13 23-0350		**Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	29.92	11.76
33 14 13 23-0352	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	37.71	14.78
33 14 13 23-0353	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	52.43	20.42
33 14 13 23-0354	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	58.99	22.71
33 14 13 23-0355	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	71.78	25.89
33 14 13 23-0356	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	82.42	28.89
33 14 13 23-0357	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	102.54	35.60
33 14 13 23-0358	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	169.74	45.25
33 14 13 23-0359		**Couplings, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	13.38	5.23
33 14 13 23-0361	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	18.02	7.02
33 14 13 23-0362	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	26.13	10.21
33 14 13 23-0363	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	29.48	11.35
33 14 13 23-0364	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	34.65	12.91
33 14 13 23-0365	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	39.73	14.44
33 14 13 23-0366	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	49.24	17.77
33 14 13 23-0367	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	72.99	22.63
33 14 13 23-0368		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	40.03	15.68
33 14 13 23-0370	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	50.21	19.68
33 14 13 23-0371	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	69.90	27.20
33 14 13 23-0372	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	78.64	30.30
33 14 13 23-0373	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	95.66	34.46
33 14 13 23-0374	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	109.82	38.54
33 14 13 23-0375	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	136.65	47.42
33 14 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	225.99	60.32
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.65	0.70
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.56	0.85
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.22*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.46	0.95
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.31*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.80	1.08
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.47*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.14	1.20
		For >1,000, Deduct	*-0.36*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.78	1.48
		For >1,000, Deduct	*-0.49*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.91*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	16.24	1.89
		For >1,000, Deduct	*-0.81*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.73*	
33 14 13 23-0386		**90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	26.29	9.80
33 14 13 23-0388	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	35.07	13.55
33 14 13 23-0389	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	40.72	15.19
33 14 13 23-0390	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	50.02	17.24

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	55.95	19.31
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.15	23.71
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	109.02	30.12
33 14 13 23-0394		**45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	30.74	9.80
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	39.36	13.55
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	44.85	15.19
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	57.75	17.24
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	66.03	19.31
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	91.40	23.71
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	107.66	30.12
33 14 13 23-0402		**Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	39.99	14.78
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	59.35	20.42
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	67.25	22.71
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	76.15	25.89
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	86.60	28.89
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	105.56	35.60
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	169.63	45.25
33 14 13 23-0410		**Couplings, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	19.65	7.02
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	28.93	10.21
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	32.11	11.35
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	41.41	12.91
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	46.55	14.44
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	57.52	17.77
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	84.56	22.63
33 14 13 23-0418		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	53.24	19.68
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	79.09	27.20
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	89.59	30.30
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	101.46	34.46
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	115.37	38.54
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	140.65	47.42
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	225.85	60.32
33 14 13 23-0426		**AWWA C906, High Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23)*		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427		**High Density Polyethylene (HDPE) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.92	2.25
		For DR 19 (89 PSI), Add	*0.12*	
		For DR 17 (100 PSI), Add	*0.31*	
		For DR 15.5 (110 PSI), Add	*0.45*	
		For DR 13.5 (128 PSI), Add	*0.70*	
		For DR 11 (160 PSI), Add	*1.13*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.41	2.86
		For DR 26 (65 PSI), Deduct	*-0.68*	
		For DR 19 (89 PSI), Add	*0.33*	
		For DR 17 (100 PSI), Add	*0.82*	
		For DR 15.5 (110 PSI), Add	*1.20*	
		For DR 13.5 (128 PSI), Add	*1.88*	
		For DR 11 (160 PSI), Add	*3.02*	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	14.91	3.46
		For DR 26 (65 PSI), Deduct	*-1.46*	
		For DR 19 (89 PSI), Add	*0.72*	
		For DR 17 (100 PSI), Add	*1.78*	
		For DR 15.5 (110 PSI), Add	*2.60*	
		For DR 13.5 (128 PSI), Add	*4.06*	
		For DR 11 (160 PSI), Add	*6.53*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.35	3.89
		For DR 26 (65 PSI), Deduct	*-2.49*	
		For DR 19 (89 PSI), Add	*1.22*	
		For DR 17 (100 PSI), Add	*3.01*	
		For DR 15.5 (110 PSI), Add	*4.41*	
		For DR 13.5 (128 PSI), Add	*6.89*	
		For DR 11 (160 PSI), Add	*11.09*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	29.74	4.33
		For DR 26 (65 PSI), Deduct	*-3.87*	
		For DR 19 (89 PSI), Add	*1.90*	
		For DR 17 (100 PSI), Add	*4.69*	
		For DR 15.5 (110 PSI), Add	*6.86*	
		For DR 13.5 (128 PSI), Add	*10.71*	
		For DR 11 (160 PSI), Add	*17.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	40.00	48.45
		For DR 26 (65 PSI), Deduct	*-5.57*	
		For DR 19 (89 PSI), Add	*2.74*	
		For DR 17 (100 PSI), Add	*6.75*	
		For DR 15.5 (110 PSI), Add	*9.89*	
		For DR 13.5 (128 PSI), Add	*15.44*	
		For DR 11 (160 PSI), Add	*24.85*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	46.56	5.45
		For DR 26 (65 PSI), Deduct	*-6.55*	
		For DR 19 (89 PSI), Add	*3.22*	
		For DR 17 (100 PSI), Add	*7.94*	
		For DR 15.5 (110 PSI), Add	*11.63*	
		For DR 13.5 (128 PSI), Add	*18.15*	
		For DR 11 (160 PSI), Add	*29.22*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	58.80	6.06
		For DR 26 (65 PSI), Deduct	*-8.56*	
		For DR 19 (89 PSI), Add	*4.20*	
		For DR 17 (100 PSI), Add	*10.37*	
		For DR 15.5 (110 PSI), Add	*15.19*	
		For DR 13.5 (128 PSI), Add	*23.71*	
		For DR 11 (160 PSI), Add	*38.17*	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	73.59	7.27
		For DR 26 (65 PSI), Deduct	*-10.82*	
		For DR 19 (89 PSI), Add	*5.31*	
		For DR 17 (100 PSI), Add	*13.11*	
		For DR 15.5 (110 PSI), Add	*19.20*	
		For DR 13.5 (128 PSI), Add	*29.97*	
		For DR 11 (160 PSI), Add	*48.24*	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	61.77	8.65
		For DR 26 (65 PSI), Deduct	*-8.15*	
		For DR 19 (89 PSI), Add	*4.00*	
		For DR 17 (100 PSI), Add	*9.88*	
		For DR 15.5 (110 PSI), Add	*14.47*	
		For DR 13.5 (128 PSI), Add	*22.58*	
		For DR 11 (160 PSI), Add	*36.35*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	125.76	10.38
		For DR 26 (65 PSI), Deduct	*-19.25*	
		For DR 19 (89 PSI), Add	*9.45*	
		For DR 17 (100 PSI), Add	*23.33*	
		For DR 15.5 (110 PSI), Add	*34.17*	
		For DR 13.5 (128 PSI), Add	*53.33*	
		For DR 11 (160 PSI), Add	*85.84*	

33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	54.72	12.25
		For DR 26 (65 PSI), Deduct	*-3.29*	
		For DR 19 (89 PSI), Add	*1.62*	
		For DR 17 (100 PSI), Add	*3.99*	
		For DR 15.5 (110 PSI), Add	*5.84*	
		For DR 13.5 (128 PSI), Add	*9.12*	
		For DR 11 (160 PSI), Add	*14.68*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	62.23	13.63
		For DR 26 (65 PSI), Deduct	*-3.92*	
		For DR 19 (89 PSI), Add	*1.93*	
		For DR 17 (100 PSI), Add	*4.76*	
		For DR 15.5 (110 PSI), Add	*6.96*	
		For DR 13.5 (128 PSI), Add	*10.87*	
		For DR 11 (160 PSI), Add	*17.49*	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	103.56	15.56
		For DR 26 (65 PSI), Deduct	*-10.43*	
		For DR 19 (89 PSI), Add	*5.12*	
		For DR 17 (100 PSI), Add	*12.65*	
		For DR 15.5 (110 PSI), Add	*18.52*	
		For DR 13.5 (128 PSI), Add	*28.91*	
		For DR 11 (160 PSI), Add	*46.53*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	173.45	18.17
		For DR 26 (65 PSI), Deduct	*-21.81*	
		For DR 19 (89 PSI), Add	*10.71*	
		For DR 17 (100 PSI), Add	*26.44*	
		For DR 15.5 (110 PSI), Add	*38.72*	
		For DR 13.5 (128 PSI), Add	*60.43*	
		For DR 11 (160 PSI), Add	*97.27*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	271.19	24.26
		For DR 26 (65 PSI), Deduct	*-36.40*	
		For DR 19 (89 PSI), Add	*17.87*	
		For DR 17 (100 PSI), Add	*44.12*	
		For DR 15.5 (110 PSI), Add	*64.62*	
		For DR 13.5 (128 PSI), Add	*100.86*	
		For DR 11 (160 PSI), Add	*162.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	399.66	36.30
		For DR 26 (65 PSI), Deduct	*-53.30*	
		For DR 19 (89 PSI), Add	*26.17*	
		For DR 17 (100 PSI), Add	*64.61*	
		For DR 15.5 (110 PSI), Add	*94.62*	
		For DR 13.5 (128 PSI), Add	*147.69*	
		For DR 11 (160 PSI), Add	*237.72*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	491.92	48.45
		For DR 26 (65 PSI), Deduct	*-63.54*	
		For DR 19 (89 PSI), Add	*31.20*	
		For DR 17 (100 PSI), Add	*77.03*	
		For DR 15.5 (110 PSI), Add	*112.80*	
		For DR 13.5 (128 PSI), Add	*176.06*	
		For DR 11 (160 PSI), Add	*283.39*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	632.86	72.61
		For DR 26 (65 PSI), Deduct	*-76.09*	
		For DR 19 (89 PSI), Add	*37.36*	
		For DR 17 (100 PSI), Add	*92.24*	
		For DR 15.5 (110 PSI), Add	*135.08*	
		For DR 13.5 (128 PSI), Add	*210.84*	
		For DR 11 (160 PSI), Add	*339.37*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	809.96	81.67
		For DR 26 (65 PSI), Deduct	*-103.55*	
		For DR 19 (89 PSI), Add	*50.84*	
		For DR 17 (100 PSI), Add	*125.53*	
		For DR 15.5 (110 PSI), Add	*183.82*	
		For DR 13.5 (128 PSI), Add	*286.92*	
		For DR 11 (160 PSI), Add	*461.82*	
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,130.47	92.70
		For DR 26 (65 PSI), Deduct	*-155.72*	
		For DR 19 (89 PSI), Add	*76.46*	
		For DR 17 (100 PSI), Add	*188.76*	
		For DR 15.5 (110 PSI), Add	*276.43*	
		For DR 13.5 (128 PSI), Add	*431.47*	
		For DR 11 (160 PSI), Add	*694.48*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,460.82	108.95
		For DR 26 (65 PSI), Deduct	*-207.88*	
		For DR 19 (89 PSI), Add	*102.07*	
		For DR 17 (100 PSI), Add	*252.00*	
		For DR 15.5 (110 PSI), Add	*369.04*	
		For DR 13.5 (128 PSI), Add	*576.02*	
		For DR 11 (160 PSI), Add	*927.14*	

33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	61.88	12.83
		For DR 26 (65 PSI), Deduct	*-4.31*	
		For DR 19 (89 PSI), Add	*2.11*	
		For DR 17 (100 PSI), Add	*5.22*	
		For DR 15.5 (110 PSI), Add	*7.64*	
		For DR 13.5 (128 PSI), Add	*11.93*	
		For DR 11 (160 PSI), Add	*19.20*	
33 14 13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	71.19	14.53
		For DR 26 (65 PSI), Deduct	*-5.07*	
		For DR 19 (89 PSI), Add	*2.49*	
		For DR 17 (100 PSI), Add	*6.14*	
		For DR 15.5 (110 PSI), Add	*9.00*	
		For DR 13.5 (128 PSI), Add	*14.04*	
		For DR 11 (160 PSI), Add	*22.60*	
33 14 13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	122.50	16.76
		For DR 26 (65 PSI), Deduct	*-13.25*	
		For DR 19 (89 PSI), Add	*6.50*	
		For DR 17 (100 PSI), Add	*16.06*	
		For DR 15.5 (110 PSI), Add	*23.52*	
		For DR 13.5 (128 PSI), Add	*36.71*	
		For DR 11 (160 PSI), Add	*59.08*	
33 14 13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	242.72	19.81
		For DR 26 (65 PSI), Deduct	*-33.61*	
		For DR 19 (89 PSI), Add	*16.50*	
		For DR 17 (100 PSI), Add	*40.74*	
		For DR 15.5 (110 PSI), Add	*59.66*	
		For DR 13.5 (128 PSI), Add	*93.12*	
		For DR 11 (160 PSI), Add	*149.88*	
33 14 13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	328.68	29.08
		For DR 26 (65 PSI), Deduct	*-44.28*	
		For DR 19 (89 PSI), Add	*21.74*	
		For DR 17 (100 PSI), Add	*53.67*	
		For DR 15.5 (110 PSI), Add	*78.60*	
		For DR 13.5 (128 PSI), Add	*122.68*	
		For DR 11 (160 PSI), Add	*197.47*	
33 14 13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	460.53	43.62
		For DR 26 (65 PSI), Deduct	*-60.46*	
		For DR 19 (89 PSI), Add	*29.68*	
		For DR 17 (100 PSI), Add	*73.29*	
		For DR 15.5 (110 PSI), Add	*107.32*	
		For DR 13.5 (128 PSI), Add	*167.52*	
		For DR 11 (160 PSI), Add	*269.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	551.37	54.48
		For DR 26 (65 PSI), Deduct	*-71.12*	
		For DR 19 (89 PSI), Add	*34.92*	
		For DR 17 (100 PSI), Add	*86.22*	
		For DR 15.5 (110 PSI), Add	*126.26*	
		For DR 13.5 (128 PSI), Add	*197.08*	
		For DR 11 (160 PSI), Add	*317.21*	
33 14 13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	705.92	81.67
		For DR 26 (65 PSI), Deduct	*-84.46*	
		For DR 19 (89 PSI), Add	*41.47*	
		For DR 17 (100 PSI), Add	*102.39*	
		For DR 15.5 (110 PSI), Add	*149.94*	
		For DR 13.5 (128 PSI), Add	*234.03*	
		For DR 11 (160 PSI), Add	*376.69*	
33 14 13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	925.64	95.15
		For DR 26 (65 PSI), Deduct	*-117.36*	
		For DR 19 (89 PSI), Add	*57.62*	
		For DR 17 (100 PSI), Add	*142.26*	
		For DR 15.5 (110 PSI), Add	*208.33*	
		For DR 13.5 (128 PSI), Add	*325.18*	
		For DR 11 (160 PSI), Add	*523.40*	
33 14 13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,327.97	112.38
		For DR 26 (65 PSI), Deduct	*-180.92*	
		For DR 19 (89 PSI), Add	*88.83*	
		For DR 17 (100 PSI), Add	*219.32*	
		For DR 15.5 (110 PSI), Add	*321.18*	
		For DR 13.5 (128 PSI), Add	*501.32*	
		For DR 11 (160 PSI), Add	*806.91*	
33 14 13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,742.21	136.23
		For DR 26 (65 PSI), Deduct	*-244.49*	
		For DR 19 (89 PSI), Add	*120.05*	
		For DR 17 (100 PSI), Add	*296.38*	
		For DR 15.5 (110 PSI), Add	*434.03*	
		For DR 13.5 (128 PSI), Add	*677.46*	
		For DR 11 (160 PSI), Add	*1,090.41*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	44.13	21.70
		For >1,000, Deduct	*-2.21*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	47.72	21.70
		For >1,000, Deduct	*-2.39*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	49.95	23.66
		For >1,000, Deduct	*-2.50*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	54.48	23.66
		For >1,000, Deduct	*-2.72*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	55.89	24.79
		For >1,000, Deduct	*-2.79*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	59.41	24.79
		For >1,000, Deduct	*-2.97*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	82.21	27.41
		For >1,000, Deduct	*-4.11*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	67.40	27.41
		For >1,000, Deduct	*-3.37*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	68.35	28.93
		For >1,000, Deduct	*-3.42*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	70.52	28.93
		For >1,000, Deduct	*-3.53*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	80.77	32.54
		For >1,000, Deduct	*-4.04*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	84.34	32.54
		For >1,000, Deduct	*-4.22*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.09	42.27
		For >1,000, Deduct	*-3.55*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	81.55	46.50
		For >1,000, Deduct	*-4.08*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	88.48	48.61
		For >1,000, Deduct	*-4.42*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	99.69	54.95
		For >1,000, Deduct	*-4.98*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	102.11	54.95
		For >1,000, Deduct	*-5.11*	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	104.34	54.95
		For >1,000, Deduct	*-5.22*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	106.92	54.95
		For >1,000, Deduct	*-5.35*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	123.20	63.40
		For >1,000, Deduct	*-6.16*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	131.17	63.40
		For >1,000, Deduct	*-6.56*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	150.74	63.40
		For >1,000, Deduct	*-7.54*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	149.17	73.98
		For >1,000, Deduct	*-7.46*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	152.43	73.98
		For >1,000, Deduct	*-7.62*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	183.19	73.98
		For >1,000, Deduct	*-9.16*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	166.08	73.98
		For >1,000, Deduct	*-8.30*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	196.38	88.77
		For >1,000, Deduct	*-9.82*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	220.24	88.77
		For >1,000, Deduct	*-11.01*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	214.28	88.77
		For >1,000, Deduct	*-10.71*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	297.58	99.33
		For >1,000, Deduct	*-14.88*	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	212.51	99.33
		For >1,000, Deduct	*-10.63*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	339.49	112.02
		For >1,000, Deduct	*-16.97*	
33 14 13 36-0037	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	364.34	126.81
		For >1,000, Deduct	*-18.22*	
33 14 13 36-0038	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	235.41	112.02
		For >1,000, Deduct	*-11.77*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	391.52	126.81
		For >1,000, Deduct	*-19.58*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	442.86	147.94
		For >1,000, Deduct	*-22.14*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	346.23	147.94
		For >1,000, Deduct	*-17.31*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	438.01	120.76
		For >1,000, Deduct	*-21.90*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	656.22	120.76
		For >1,000, Deduct	*-32.81*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Dresser Coupling For Plain End Welded Steel Pipe	100.98	22.15
33 14 13 36-0046	EA	3" Dresser Coupling For Plain End Welded Steel Pipe	146.17	42.60
33 14 13 36-0047	EA	4" Dresser Coupling For Plain End Welded Steel Pipe	194.49	56.24
33 14 13 36-0048	EA	6" Dresser Coupling For Plain End Welded Steel Pipe	311.39	85.21
33 14 13 36-0049	EA	8" Dresser Coupling For Plain End Welded Steel Pipe	408.76	107.36
33 14 13 36-0050	EA	10" Dresser Coupling For Plain End Welded Steel Pipe	555.77	125.40
33 14 13 36-0051	EA	12" Dresser Coupling For Plain End Welded Steel Pipe	657.78	157.17
33 14 13 36-0052	EA	14" Dresser Coupling For Plain End Welded Steel Pipe	708.57	157.17
33 14 13 36-0053	EA	16" Dresser Coupling For Plain End Welded Steel Pipe	748.08	179.74
33 14 13 36-0054	EA	18" Dresser Coupling For Plain End Welded Steel Pipe	820.72	192.28
33 14 13 36-0055	EA	20" Dresser Coupling For Plain End Welded Steel Pipe	895.36	217.36
33 14 13 36-0056	EA	24" Dresser Coupling For Plain End Welded Steel Pipe	1,138.06	229.90
33 14 13 36-0057	EA	30" Dresser Coupling For Plain End Welded Steel Pipe	1,370.46	250.81
33 14 13 36-0058	EA	36" Dresser Coupling For Plain End Welded Steel Pipe	1,610.04	282.16
33 14 13 36-0059	EA	42" Dresser Coupling For Plain End Welded Steel Pipe	1,861.62	317.69
33 14 13 36-0060	EA	48" Dresser Coupling For Plain End Welded Steel Pipe	2,165.31	365.76
33 14 13 36-0061	EA	54" Dresser Coupling For Plain End Welded Steel Pipe	2,398.59	418.00
33 14 13 36-0062	EA	60" Dresser Coupling For Plain End Welded Steel Pipe	2,751.84	522.51
33 14 13 36-0063	EA	66" Dresser Coupling For Plain End Welded Steel Pipe	3,165.17	635.37
33 14 13 36-0064	EA	72" Dresser Coupling For Plain End Welded Steel Pipe	3,771.42	752.41

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	5.12	1.59
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	6.20	1.78
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	8.12	1.98
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	10.00	2.37
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	12.22	3.16
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	17.27	3.95
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	22.14	4.75
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	27.37	5.22
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	36.89	6.56
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	48.50	8.31
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	76.14	10.36

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	97.83	12.50
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	163.71	14.00
33 14 13 39-0015		Type K Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	5.39	1.59
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	7.14	1.78
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	9.05	1.98
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	10.57	2.37
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	13.07	3.16
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	18.42	3.95
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	25.33	4.75
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	32.15	5.22
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	42.51	6.56
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	57.02	8.31
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	93.77	10.36
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	129.53	12.50
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	222.23	14.00

33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating *(33 14 13 43-0001)*

33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.88
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.43
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.05
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.38
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.13
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.45
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.94
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	8.09
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	10.62
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	16.78
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	36.18
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	41.35
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	46.51
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	51.68
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	56.85
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	61.99
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	67.19

33 14 13 43-0020 Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)*
Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	7.98
33 14 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.82
33 14 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	12.27
33 14 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	13.67
33 14 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	15.44
33 14 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.07
33 14 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	20.53
33 14 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	23.16
33 14 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.74
33 14 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.87
33 14 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	38.59
33 14 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.31
33 14 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.10
33 14 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.68
33 14 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.27
33 14 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.85
33 14 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	39.44
33 14 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.02

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	
33 14 13 43-0040		**Pipe Lining** *(33 14 13 43)*		
33 14 13 43-0041		**Cement Pipe Lining** *(33 14 13 43-0040)* Note: Shop applied.		
33 14 13 43-0042	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	11.22	
		For 1/2" Thick, Add	*1.06*	
33 14 13 43-0043	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	13.91	
		For 1/2" Thick, Add	*1.31*	
33 14 13 43-0044	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	17.03	
		For 1/2" Thick, Add	*1.64*	
33 14 13 43-0045	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	22.02	
		For 1/2" Thick, Add	*2.05*	
33 14 13 43-0046	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	27.04	
		For 1/2" Thick, Add	*2.46*	
33 14 13 43-0047	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	34.29	
		For 1/2" Thick, Add	*2.88*	
33 14 13 43-0048	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	43.99	
		For 1/2" Thick, Add	*3.27*	
33 14 13 43-0049	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	52.36	
		For 1/2" Thick, Add	*3.14*	
33 14 13 43-0050	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	62.89	
		For 1/2" Thick, Add	*3.49*	
33 14 13 43-0051	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	76.19	
		For 1/2" Thick, Add	*4.18*	
33 14 13 43-0052	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	91.93	
		For 1/2" Thick, Add	*5.23*	
33 14 13 43-0053	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	110.61	
		For 1/2" Thick, Add	*6.27*	
33 14 13 43-0054	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	129.07	
		For 1/2" Thick, Add	*5.38*	
33 14 13 43-0055	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	147.45	
		For 1/2" Thick, Add	*6.15*	
33 14 13 43-0056	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	165.91	
		For 1/2" Thick, Add	*6.92*	
33 14 13 43-0057	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	184.37	
		For 1/2" Thick, Add	*7.69*	
33 14 13 43-0058	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	202.76	
		For 1/2" Thick, Add	*4.51*	
33 14 13 43-0059	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	221.21	
		For 1/2" Thick, Add	*4.92*	
33 14 13 43-0060	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	239.67	
		For 1/2" Thick, Add	*5.33*	
33 14 13 43-0061		**Cement Fitting Lining** *(33 14 13 43-0040)* Note: Shop applied.		
33 14 13 43-0062	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	11.22	
		For 1/2" Thick, Add	*1.06*	
33 14 13 43-0063	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	13.91	
		For 1/2" Thick, Add	*1.31*	
33 14 13 43-0064	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	21.68	
		For 1/2" Thick, Add	*2.13*	
33 14 13 43-0065	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	35.52	
		For 1/2" Thick, Add	*3.27*	
33 14 13 43-0066	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	54.09	
		For 1/2" Thick, Add	*4.92*	
33 14 13 43-0067	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	79.54	
		For 1/2" Thick, Add	*6.62*	
33 14 13 43-0068	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	116.23	
		For 1/2" Thick, Add	*8.50*	
33 14 13 43-0069	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	157.07	
		For 1/2" Thick, Add	*9.41*	
33 14 13 43-0070	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	209.50	
		For 1/2" Thick, Add	*11.61*	
33 14 13 43-0071	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	304.79	
		For 1/2" Thick, Add	*16.73*	
33 14 13 43-0072		**8 Mil Polyethylene Encasement Tubing** *(33 14 13 43)* Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0073	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.83	
33 14 13 43-0074	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.36	
33 14 13 43-0075	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.69	
33 14 13 43-0076	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.14	
33 14 13 43-0077	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	2.97	
33 14 13 43-0078	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	3.82	
33 14 13 43-0079	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	4.86	
33 14 13 43-0080	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	5.79	
33 14 13 43-0081	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	6.89	
33 14 13 43-0082	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	7.63	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	217.46	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	315.44	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	324.77	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	264.17	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	336.04	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	275.33	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	351.47	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	312.22	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	370.19	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	325.01	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	381.02	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT.
2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	175.03	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	175.18	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	186.28	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	178.62	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	191.20	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	212.94	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.64	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	206.17	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	228.10	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	239.51	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	217.39	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	240.10	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	251.43	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.10	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	251.07	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	262.23	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	401.51	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	410.84	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	249.24	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	276.22	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	286.43	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	479.47	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.83	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.59	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	538.98	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	308.28	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	343.05	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	354.98	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	605.34	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.13	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	391.94	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	423.70	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	753.82	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	374.47	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	430.97	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	449.00	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	812.21	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	391.42	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	450.09	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	468.63	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	845.47	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	436.58	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	508.87	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	502.75	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	558.28	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	525.46	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	596.38	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	249.65	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	274.10	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	284.48	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	309.18	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	319.31	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	335.62	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	306.29	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	326.44	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	397.70	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	431.63	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	618.07	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	702.11	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	722.23	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	809.90	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	264.03	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	292.25	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	301.46	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	328.59	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	340.31	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	357.75	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	386.34	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	414.39	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	416.95	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	453.35	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	665.76	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	769.55	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	778.81	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	850.97	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,102.99	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,102.99	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,147.11	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,147.11	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,230.81	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,230.81	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,226.77	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,478.79	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,773.31	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,881.27	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,925.30	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,077.93	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,141.17	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,065.30	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,217.32	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,593.37	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,685.88	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,296.20	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,468.48	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,543.78	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,573.90	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,815.93	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,798.85	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,817.53	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,010.51	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,053.01	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,100.18	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,030.97	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,444.33	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,523.79	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,964.49	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,077.98	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,433.38	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,851.39	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,509.67	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,675.33	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,737.62	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,063.60	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,378.30	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,610.28	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,722.45	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,867.95	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,907.97	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,257.83	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,451.65	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,488.99	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,917.52	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,116.99	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,013.02	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,065.21	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,170.56	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,195.74	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,246.16	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,446.54	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,300.17	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,349.14	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,524.77	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,159.78	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,454.80	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,528.60	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,701.37	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,269.78	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,487.46	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,940.56	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,000.90	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,376.41	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,842.97	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,144.89	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,315.96	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,378.38	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,625.54	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,294.65	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,449.60	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,435.49	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,551.98	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,715.41	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,503.50	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,658.26	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,958.50	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,020.78	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,392.76	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,024.66	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,290.38	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,182.15	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,323.61	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,516.10	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,414.74	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,576.27	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,185.83	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,283.47	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,360.75	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,378.31	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,467.96	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,744.07	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,582.82	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,682.67	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,929.72	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,648.11	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,801.79	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,939.44	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,267.16	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,695.38	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,021.79	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,054.89	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,224.69	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,594.23	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,022.88	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,247.62	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,523.64	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,757.30	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,934.35	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,395.56	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,707.09	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,770.71	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,122.01	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,306.97	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,711.75	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,248.64	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,978.30	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,328.68	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,478.17	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,235.02	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,654.44	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,547.73	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,593.99	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,774.09	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,678.34	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,158.99	
33 14 13 53-0222		Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	298.94	49.59
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	374.43	62.53
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	490.98	86.25
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	639.82	101.34
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,019.91	114.28
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,138.82	129.38
33 14 13 53-0229		Steel Body, Flanged Coupling Adapter *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	443.90	49.59
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	523.58	62.53
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	698.16	86.25
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	855.44	101.34
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,047.57	114.28
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,222.00	129.38
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,455.68	142.31
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,728.51	155.25
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,045.54	170.78
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,421.97	187.85
33 14 13 53-0240		Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	384.12	62.53
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	514.91	86.25
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	568.21	101.34
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	840.88	114.28
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,076.41	129.38
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,208.24	142.31
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,424.29	155.25
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,599.52	170.78
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,928.11	187.85
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,329.23	206.65
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,919.04	227.26
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,657.55	250.03
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	131.13	34.50
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	162.27	40.97
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	201.27	49.59
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	252.67	62.53
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	336.16	86.25
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	409.57	101.34
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	515.80	114.28
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	604.62	129.38
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	863.24	142.31
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,084.29	155.25

33 14 15 Water Service Connections *(33 14)*

See CSI section 22 11 19 00-0159 for backflow preventer assemblies.

33 14 15 23 Water Service Hydrants *(33 14 15)*

33 14 15 23-0001 Yard Hydrants *(33 14 15 23)*

Note: With 3/4" hose thread outlet.

33 14 15 23-0002	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	198.64	27.77
33 14 15 23-0003	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	210.29	27.77
33 14 15 23-0004	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	221.94	27.77
33 14 15 23-0005	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	237.11	35.18
33 14 15 23-0006	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	247.47	35.18
33 14 15 23-0007	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	257.82	35.18

33 14 15 23-0008 Sanitary Yard Hydrants *(33 14 15 23)*

Note: With 3/4" hose thread outlet.

33 14 15 23-0009	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	766.40	57.85
33 14 15 23-0010	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	802.79	57.85
33 14 15 23-0011	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	839.19	57.85

33 14 15 23-0012 Flushing Hydrants *(33 14 15 23)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 15 23-0013	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	509.48	35.70

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0576 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0002)*

Note: Nibco T-335Y

33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	56.81	14.81
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	76.62	19.90
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	100.49	24.53
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	128.89	30.82
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	158.05	35.64
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	224.91	41.66
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	349.78	56.83
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	510.59	65.61

33 14 19 00-0012 Butterfly Valves *(33 14 19 00-0001)*

33 14 19 00-0013 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves *(33 14 19 00-0012)*

33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,211.31	157.36
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,382.51	157.36
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,335.78	243.44
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,506.98	243.44
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,576.33	289.32
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,748.60	289.32
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,823.49	369.69
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,995.76	369.69
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16)	2,391.20	450.06
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	2,826.69	450.06
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24)	2,814.41	545.52
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	3,170.72	545.52
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12)	3,663.84	707.18
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,249.13	707.18
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	4,358.92	777.90
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,731.28	777.90
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	5,423.72	862.77
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	48,596.08	862.77
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30)	6,399.62	972.37

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	6,635.02	972.37
33 14 19 00-0034	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30)	9,424.69	1,193.37
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20)	9,660.09	1,193.37
33 14 19 00-0036	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	21,181.48	2,033.66
33 14 19 00-0037	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	24,845.08	2,711.56
33 14 19 00-0038	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32)	31,982.89	4,067.33
33 14 19 00-0039	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24)	38,917.44	5,084.16
33 14 19 00-0040		**Check Valves** *(33 14 19 00-0001)*		
33 14 19 00-0041		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0040)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0042	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	586.93	123.54
33 14 19 00-0043	EA	3" Flanged, Swing Type Gravity Operated Check Valve	613.30	144.85
33 14 19 00-0044	EA	4" Flanged, Swing Type Gravity Operated Check Valve	896.64	183.19
33 14 19 00-0045	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,178.93	275.64
33 14 19 00-0046	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,236.17	307.84
33 14 19 00-0047	EA	6" Flanged, Swing Type Gravity Operated Check Valve	1,186.32	306.75
33 14 19 00-0048	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,521.32	348.67
33 14 19 00-0049	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,601.56	391.95
33 14 19 00-0050	EA	8" Flanged, Swing Type Gravity Operated Check Valve	1,660.06	391.95
33 14 19 00-0051	EA	10" Flanged, Swing Type Gravity Operated Check Valve	2,701.45	477.16
33 14 19 00-0052	EA	12" Flanged, Swing Type Gravity Operated Check Valve	4,010.82	357.86
33 14 19 00-0053	EA	14" Flanged, Swing Type Gravity Operated Check Valve	5,544.54	707.18
33 14 19 00-0054	EA	16" Flanged, Swing Type Gravity Operated Check Valve	7,288.94	777.90
33 14 19 00-0055	EA	18" Flanged, Swing Type Gravity Operated Check Valve	10,433.99	862.77
33 14 19 00-0056	EA	20" Flanged, Swing Type Gravity Operated Check Valve	12,130.96	972.37
33 14 19 00-0057		**Combination Air Release Valves** *(33 14 19 00-0001)*		
33 14 19 00-0058	EA	1" Combination Air Release Valve	433.12	17.89
33 14 19 00-0059	EA	2" Combination Air Release Valve	699.50	30.67
33 14 19 00-0060		**Corporation Stop And Curb Valve** *(33 14 19 00-0001)* Note: AWWA C800		
33 14 19 00-0061		**Ball Corporation Valves** *(33 14 19 00-0060)* Note: Mueller B-25000.		
33 14 19 00-0062	EA	3/4" Ball Corporation Valve (Mueller B-25000)	70.59	17.89
33 14 19 00-0063	EA	1" Ball Corporation Valve (Mueller B-25000)	88.74	22.15
33 14 19 00-0064	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	159.91	32.38
33 14 19 00-0065	EA	2" Ball Corporation Valve (Mueller B-25000)	242.24	38.34
33 14 19 00-0066		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0067		**Gate Valve, Flanged** *(33 14 19 00-0066)* Note: Mueller A-2380-6.		
33 14 19 00-0068	EA	2" Gate Valve, Flanged	385.75	113.58
33 14 19 00-0069	EA	2-1/2" Gate Valve, Flanged	445.96	123.54
33 14 19 00-0070	EA	3" Gate Valve, Flanged	526.67	144.85
33 14 19 00-0071	EA	4" Gate Valve, Flanged	748.92	181.49
33 14 19 00-0072	EA	6" Gate Valve, Flanged	900.74	306.75
33 14 19 00-0073	EA	8" Gate Valve, Flanged	1,293.14	391.95
33 14 19 00-0074	EA	10" Gate Valve, Flanged	1,877.66	477.16
33 14 19 00-0075	EA	12" Gate Valve, Flanged	2,262.62	357.86
33 14 19 00-0076	EA	14" Gate Valve, Flanged	4,578.34	707.18
33 14 19 00-0077	EA	16" Gate Valve, Flanged	5,909.12	777.90
33 14 19 00-0078	EA	18" Gate Valve, Flanged	9,159.06	862.77
33 14 19 00-0079	EA	20" Gate Valve, Flanged	10,920.44	972.37
33 14 19 00-0080		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0066)* Note: Mueller A-2360-6.		
33 14 19 00-0081	EA	2" Resilient Wedge Gate Valve, Flanged	371.96	113.58
33 14 19 00-0082	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	429.48	123.54
33 14 19 00-0083	EA	3" Resilient Wedge Gate Valve, Flanged	507.12	144.85

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0084	EA	4" Resilient Wedge Gate Valve, Flanged	727.07	181.49
33 14 19 00-0085	EA	6" Resilient Wedge Gate Valve, Flanged	871.53	306.75
33 14 19 00-0086	EA	8" Resilient Wedge Gate Valve, Flanged	1,247.51	391.95
33 14 19 00-0087	EA	10" Resilient Wedge Gate Valve, Flanged	1,805.14	477.16
33 14 19 00-0088	EA	12" Resilient Wedge Gate Valve, Flanged	2,175.06	357.86
33 14 19 00-0089		Gate Valve, Mechanical Joint *(33 14 19 00-0066)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0090	EA	2" Gate Valve, Mechanical Joint	459.57	90.75
33 14 19 00-0091	EA	2-1/2" Gate Valve, Mechanical Joint	512.93	113.75
33 14 19 00-0092	EA	3" Gate Valve, Mechanical Joint	639.31	137.60
33 14 19 00-0093	EA	4" Gate Valve, Mechanical Joint	779.43	181.49
33 14 19 00-0094	EA	6" Gate Valve, Mechanical Joint	965.12	213.01
33 14 19 00-0095	EA	8" Gate Valve, Mechanical Joint	1,349.90	255.62
33 14 19 00-0096	EA	10" Gate Valve, Mechanical Joint	1,899.78	298.22
33 14 19 00-0097	EA	12" Gate Valve, Mechanical Joint	2,363.10	357.86
33 14 19 00-0098	EA	14" Gate Valve, Mechanical Joint	4,834.72	433.15
33 14 19 00-0099	EA	16" Gate Valve, Mechanical Joint	6,189.89	486.19
33 14 19 00-0100	EA	18" Gate Valve, Mechanical Joint	9,662.24	539.22
33 14 19 00-0101	EA	20" Gate Valve, Mechanical Joint	11,463.06	607.73
33 14 19 00-0102		Resilient Wedge Gate Valve, Mechanical Joint *(33 14 19 00-0066)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0103	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	443.82	90.75
33 14 19 00-0104	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	618.70	137.60
33 14 19 00-0105	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	755.86	181.49
33 14 19 00-0106	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	934.61	213.01
33 14 19 00-0107	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	1,302.44	255.62
33 14 19 00-0108	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	1,826.01	298.22
33 14 19 00-0109	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	2,269.84	357.86
33 14 19 00-0110		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0066)*		
		Note: Mueller A-2361.		
33 14 19 00-0111	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,703.46	707.18
33 14 19 00-0112	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,116.25	777.90
33 14 19 00-0113	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	7,860.15	862.77
33 14 19 00-0114	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	9,362.31	972.37
33 14 19 00-0115	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	13,234.91	1,193.37
33 14 19 00-0116		Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0066)*		
		Note: NIBCO T-113.		
33 14 19 00-0117	EA	1/4" Gate Valve, Bronze, Threaded	37.83	14.91
33 14 19 00-0118	EA	3/8" Gate Valve, Bronze, Threaded	39.24	14.91
33 14 19 00-0119	EA	1/2" Gate Valve, Bronze, Threaded	39.70	14.91
33 14 19 00-0120	EA	3/4" Gate Valve, Bronze, Threaded	51.97	20.13
33 14 19 00-0121	EA	1" Gate Valve, Bronze, Threaded	63.65	24.34
33 14 19 00-0122	EA	1-1/4" Gate Valve, Bronze, Threaded	84.40	30.82
33 14 19 00-0123	EA	1-1/2" Gate Valve, Bronze, Threaded	97.73	35.64
33 14 19 00-0124	EA	2" Gate Valve, Bronze, Threaded	117.52	41.66
33 14 19 00-0125	EA	2-1/2" Gate Valve, Bronze, Threaded	203.46	56.83
33 14 19 00-0126	EA	3" Gate Valve, Bronze, Threaded	241.47	65.18
33 14 19 00-0127		Globe Valve, AWWA *(33 14 19 00-0001)*		
33 14 19 00-0128		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0127)*		
		Note: NIBCO T-235.		
33 14 19 00-0129	EA	1/8" Globe Valve, Threaded	49.57	14.91
33 14 19 00-0130	EA	1/4" Globe Valve, Threaded	46.72	14.91
33 14 19 00-0131	EA	3/8" Globe Valve, Threaded	48.13	14.91
33 14 19 00-0132	EA	1/2" Globe Valve, Threaded	49.57	14.91
33 14 19 00-0133	EA	3/4" Globe Valve, Threaded	67.22	20.13
33 14 19 00-0134	EA	1" Globe Valve, Threaded	90.62	24.34
33 14 19 00-0135	EA	1-1/4" Globe Valve, Threaded	127.97	30.82
33 14 19 00-0136	EA	1-1/2" Globe Valve, Threaded	151.62	35.64
33 14 19 00-0137	EA	2" Globe Valve, Threaded	203.96	41.66
33 14 19 00-0138	EA	2-1/2" Globe Valve, Threaded	355.74	56.83
33 14 19 00-0139	EA	3" Globe Valve, Threaded	475.47	65.53
33 14 19 00-0140		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0001)*		
33 14 19 00-0141		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0140)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0142	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	517.15	113.58
33 14 19 00-0143	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	665.52	144.85
33 14 19 00-0144	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	883.05	181.49
33 14 19 00-0145	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,105.70	306.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0146	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,555.99	391.95
33 14 19 00-0147	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,197.09	477.16
33 14 19 00-0148	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,162.08	357.86
33 14 19 00-0149	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,503.53	707.18
33 14 19 00-0150	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,888.82	777.90
33 14 19 00-0151	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,896.23	862.77
33 14 19 00-0152		**Accessories For Valves** *(33 14 19)*		
33 14 19 00-0153	EA	1' Valve Extension Stem	77.33	
		For Each Additional LF, Add	*5.35*	
33 14 19 00-0154	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	955.44	85.21
33 14 19 00-0155	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,082.11	93.72
33 14 19 00-0156	EA	Adjust Water Valve Box To Grade	85.21	
33 14 19 00-0157		**Roadway Or Curb Valve Boxes** *(33 14 19)* See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0158		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 19 00-0157)*		
33 14 19 00-0159	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	141.51	11.25
33 14 19 00-0160	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	162.94	11.25
33 14 19 00-0161	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	163.93	11.25
33 14 19 00-0162	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	44.32	5.63
33 14 19 00-0163	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	50.00	5.63
33 14 19 00-0164	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	58.54	5.63
33 14 19 00-0165	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	211.05	14.06
33 14 19 00-0166	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	361.81	19.68
33 14 19 00-0167	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	401.79	19.68
33 14 19 00-0168	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	218.98	14.06
33 14 19 00-0169	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	228.53	14.06
33 14 19 00-0170	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	221.23	14.06
33 14 19 00-0171	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	80.60	5.63
33 14 19 00-0172	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	140.30	23.14
33 14 19 00-0173	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	144.64	24.06
33 14 19 00-0174	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	160.83	25.00
33 14 19 00-0175	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	215.79	26.39
33 14 19 00-0176	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	258.63	27.77
33 14 19 00-0177	EA	18" Cast Iron Service Box Extension Section	59.58	
33 14 19 00-0178		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 19 00-0157)*		
33 14 19 00-0179	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	246.43	32.40
33 14 19 00-0180	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	185.40	23.14
33 14 19 00-0181	EA	Cast Iron Lid For Plastic Meter Box	55.40	
33 14 19 00-0182		**Traffic Valve Box And Lid** *(33 14 19 00-0157)*		
33 14 19 00-0183	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	141.04	
33 14 19 00-0184	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	420.54	
33 14 19 00-0185		**Utility Box** *(33 14 19)* Note: Christy Concrete Products.		
33 14 19 00-0186		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 19 00-0185)*		
33 14 19 00-0187	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	67.90	42.27
33 14 19 00-0188	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	51.87	4.70
33 14 19 00-0189	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	24.33	4.70
33 14 19 00-0190	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	107.86	4.70
33 14 19 00-0191	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	37.23	9.39
33 14 19 00-0192	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	49.40	9.39
33 14 19 00-0193		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 19 00-0185)*		
33 14 19 00-0194	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	84.91	56.36
33 14 19 00-0195	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	60.90	5.64
33 14 19 00-0196	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	27.43	5.64
33 14 19 00-0197	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	112.92	4.70
33 14 19 00-0198	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	40.58	9.39
33 14 19 00-0199	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	55.86	14.09

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0200	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	75.35	25.83
33 14 19 00-0201		**B12 Utility Box, 12" x 20"** *(33 14 19 00-0185)*		
33 14 19 00-0202	EA	12" x 20" Precast Concrete Utility Box	92.90	61.06
33 14 19 00-0203	EA	Cast Iron Lid For 12" x 20" Utility Box	106.55	7.04
33 14 19 00-0204	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	38.63	9.39
33 14 19 00-0205	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	154.96	9.39
33 14 19 00-0206	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	97.43	32.88
33 14 19 00-0207		**B16 Utility Box, 12" x 22-1/4"** *(33 14 19 00-0185)*		
33 14 19 00-0208	EA	12" x 22-1/4" Precast Concrete Utility Box	107.49	71.39
33 14 19 00-0209	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	121.83	9.39
33 14 19 00-0210	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	45.53	9.39
33 14 19 00-0211	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	155.78	9.39
33 14 19 00-0212	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	66.71	15.97
33 14 19 00-0213	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	98.57	32.88
33 14 19 00-0214		**B30 Utility Box, 13-1/4" x 24"** *(33 14 19 00-0185)*		
33 14 19 00-0215	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	128.75	84.54
33 14 19 00-0216	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	63.70	15.03
33 14 19 00-0217	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	193.18	12.21
33 14 19 00-0218	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	66.71	15.97
33 14 19 00-0219	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	104.04	26.30
33 14 19 00-0220	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	78.56	17.84
33 14 19 00-0221	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	127.40	42.27
33 14 19 00-0222		**B36 Utility Box, 17-1/4" x 30"** *(33 14 19 00-0185)*		
33 14 19 00-0223	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	166.57	107.09
33 14 19 00-0224	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	105.15	25.83
33 14 19 00-0225	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	244.71	17.84
33 14 19 00-0226	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	105.27	33.82
33 14 19 00-0227	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	158.51	37.58
33 14 19 00-0228	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	168.16	54.48
33 14 19 00-0229		**B40 Utility Box, 24-1/2" x 36"** *(33 14 19 00-0185)*		
33 14 19 00-0230	EA	24-1/2" x 36" Precast Concrete Utility Box	316.54	165.33
33 14 19 00-0231	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	279.03	62.00
33 14 19 00-0232	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	349.47	27.24
33 14 19 00-0233	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	235.69	58.24
33 14 19 00-0234	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	249.32	61.06
33 14 19 00-0235		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 19 00-0185)*		
33 14 19 00-0236	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	419.76	187.87
33 14 19 00-0237	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	401.54	102.39
33 14 19 00-0238	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	479.60	102.39
33 14 19 00-0239	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	557.11	46.97
33 14 19 00-0240	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	384.64	126.81
33 14 19 00-0241	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	318.16	85.48
33 14 19 00-0242		**Fire Hydrants** *(33 14 19)* Note: Breakaway type.		
33 14 19 00-0243		**Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0242)* Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0244	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,679.65	225.03
33 14 19 00-0245	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,729.41	225.03
33 14 19 00-0246	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,779.30	225.03
33 14 19 00-0247	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,845.03	241.11
33 14 19 00-0248	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,894.84	241.11
33 14 19 00-0249	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,964.77	261.19
33 14 19 00-0250	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,014.50	261.19
33 14 19 00-0251	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,084.48	281.29
33 14 19 00-0252	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,134.28	281.29
33 14 19 00-0253	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,204.10	301.38
33 14 19 00-0254	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,273.98	321.47
33 14 19 00-0255	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,363.87	361.65
33 14 19 00-0256	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,725.06	225.03
33 14 19 00-0257	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,789.64	225.03
33 14 19 00-0258	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,854.05	225.03
33 14 19 00-0259	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,934.55	241.11
33 14 19 00-0260	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,998.97	241.11
33 14 19 00-0261	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,083.70	261.19
33 14 19 00-0262	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,148.04	261.19

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0263	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,232.62	281.29
33 14 19 00-0264	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,297.02	281.29
33 14 19 00-0265	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,381.41	301.38
33 14 19 00-0266	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,466.08	321.47
33 14 19 00-0267	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,570.56	361.65
33 14 19 00-0268		Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0242)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0269	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,406.52	225.03
33 14 19 00-0270	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,456.10	225.03
33 14 19 00-0271	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,505.97	225.03
33 14 19 00-0272	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,571.91	241.11
33 14 19 00-0273	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,621.56	241.11
33 14 19 00-0274	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,691.38	261.19
33 14 19 00-0275	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,741.19	261.19
33 14 19 00-0276	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,811.21	281.29
33 14 19 00-0277	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,860.91	281.29
33 14 19 00-0278	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,931.00	301.38
33 14 19 00-0279	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,000.56	321.47
33 14 19 00-0280	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,090.56	361.65
33 14 19 00-0281	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,476.66	225.03
33 14 19 00-0282	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,541.09	225.03
33 14 19 00-0283	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,605.43	225.03
33 14 19 00-0284	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,686.09	241.11
33 14 19 00-0285	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,750.34	241.11
33 14 19 00-0286	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,834.97	261.19
33 14 19 00-0287	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,899.25	261.19
33 14 19 00-0288	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,984.04	281.29
33 14 19 00-0289	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,048.30	281.29
33 14 19 00-0290	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,132.92	301.38
33 14 19 00-0291	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,217.26	321.47
33 14 19 00-0292	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,322.10	361.65
33 14 19 00-0293		Three Way, Modern Model Fire Hydrant *(33 14 19 00-0242)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0294	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,795.78	225.03
33 14 19 00-0295	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	2,860.12	225.03
33 14 19 00-0296	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,924.65	225.03
33 14 19 00-0297	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	3,005.17	241.11
33 14 19 00-0298	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,069.56	241.11
33 14 19 00-0299	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	3,154.05	261.19
33 14 19 00-0300	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,218.52	261.19
33 14 19 00-0301	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	3,303.05	281.29
33 14 19 00-0302	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,367.45	281.29
33 14 19 00-0303	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	3,451.96	281.29
33 14 19 00-0304	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,536.65	321.47
33 14 19 00-0305	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	3,640.47	321.47
33 14 19 00-0306		Two Way, Modern Model Fire Hydrant *(33 14 19 00-0242)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0307	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,989.08	225.03
33 14 19 00-0308	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,038.04	225.03
33 14 19 00-0309	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,087.54	225.03
33 14 19 00-0310	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,152.01	241.11
33 14 19 00-0311	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,200.95	241.11
33 14 19 00-0312	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	2,269.97	261.19
33 14 19 00-0313	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,318.90	261.19
33 14 19 00-0314	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	2,388.01	281.29
33 14 19 00-0315	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,436.81	281.29
33 14 19 00-0316	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	2,505.86	301.38
33 14 19 00-0317	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,574.96	321.47
33 14 19 00-0318	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	2,663.47	361.65
33 14 19 00-0319		Fire Hydrant Extension Kits *(33 14 19 00-0242)*		
33 14 19 00-0320	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	414.95	20.10
33 14 19 00-0321	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	493.05	25.11
33 14 19 00-0322	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	537.85	30.14
33 14 19 00-0323	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	611.42	37.17
33 14 19 00-0324	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	922.85	38.68
33 14 19 00-0325	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	985.63	40.18
33 14 19 00-0326	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,000.66	42.20
33 14 19 00-0327	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,056.93	45.21
33 14 19 00-0328	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,165.33	54.25
33 14 19 00-0329	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,229.94	65.30
33 14 19 00-0330	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	461.58	22.50
33 14 19 00-0331	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	546.63	27.33
33 14 19 00-0332	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	627.30	32.95

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0333	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	701.36	40.99
33 14 19 00-0334	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	960.01	42.60
33 14 19 00-0335	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,023.59	44.20
33 14 19 00-0336	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,067.38	46.62
33 14 19 00-0337	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,248.38	49.83
33 14 19 00-0338	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,368.27	59.47
33 14 19 00-0339	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,437.93	71.53

33 14 19 00-0340 Remove And Reinstall Standard Fire Hydrant *(33 14 19 00-0242)*

Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.

33 14 19 00-0341	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	642.93	
33 14 19 00-0342	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	937.62	
33 14 19 00-0343	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	786.15	

33 14 23 Enclosures for Water Utility Piping and Valves *(33 14)*

See CSI section 22 11 19 00-0382 for Enclosures.

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 11 Water Utility Metering *(33 19)*

33 19 11 00-0001 Bronze Disk Type Water Service Meters *(33 19 11)*

33 19 11 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	157.02	48.14
33 19 11 00-0003	EA	3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	195.86	57.39
33 19 11 00-0004	EA	1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	257.91	65.72
33 19 11 00-0005	EA	1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	488.44	98.12
33 19 11 00-0006	EA	2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	659.66	127.75

33 19 11 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 11)*

33 19 11 00-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	332.93	48.14
		For Owner Furnished Material, Deduct	*-284.21*	
33 19 11 00-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	380.25	57.39
		For Owner Furnished Material, Deduct	*-322.40*	
33 19 11 00-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	560.81	65.72
		For Owner Furnished Material, Deduct	*-494.69*	
33 19 11 00-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	945.48	98.12
		For Owner Furnished Material, Deduct	*-847.01*	
33 19 11 00-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,172.32	127.75
		For Owner Furnished Material, Deduct	*-1,043.76*	
33 19 11 00-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	265.34	23.14
		For Owner Furnished Material, Deduct	*-242.20*	

33 19 11 00-0014 Flanged Compound Type Water Service Meter *(33 19 11)*

33 19 11 00-0015	EA	2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,607.46	113.58
33 19 11 00-0016	EA	3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,881.10	144.85
33 19 11 00-0017	EA	4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,374.47	274.36
33 19 11 00-0018	EA	6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,345.52	306.75
33 19 11 00-0019	EA	8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	8,896.35	391.95
33 19 11 00-0020	EA	10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,209.60	477.16

33 19 11 00-0021 Flanged Turbine Water Service Meter *(33 19 11)*

33 19 11 00-0022 Vertical Turbine Meters *(33 19 11 00-0021)*

33 19 11 00-0023	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	426.43	89.47
33 19 11 00-0024	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	590.05	113.58
33 19 11 00-0025	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	973.99	144.85
33 19 11 00-0026	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	1,723.23	337.58
33 19 11 00-0027	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	2,728.42	306.75

33 19 11 00-0028 Horizontal Turbine Meters *(33 19 11 00-0021)*

33 19 11 00-0029	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	635.98	89.47
33 19 11 00-0030	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	889.21	113.58
33 19 11 00-0031	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	1,093.92	144.85
33 19 11 00-0032	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	1,881.77	337.58
33 19 11 00-0033	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	3,306.05	306.75
33 19 11 00-0034	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	4,417.28	391.95
33 19 11 00-0035	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	6,157.71	477.16
33 19 11 00-0036	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	8,084.42	962.83

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.65	2.11
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.51	2.45
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.92	2.86
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.39	3.32
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.77	3.86
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.72	4.49
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	17.21	4.65
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	21.26	4.81

33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

Note: D-2729 PVC pipe.

33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.72	2.86
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.91	3.32
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.20	3.86

33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0001)*

33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.48	10.86
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.53	14.05
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.00	18.86
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.55	21.81
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	102.68	28.34
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	160.19	38.14
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	212.05	50.80

33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.75	10.86
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.51	14.05
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.59	18.86
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.55	21.81
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	97.59	28.34
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	148.36	38.14
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	177.25	50.80
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	254.56	67.66

33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.59	10.70
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.44	14.05
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.54	19.28
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	54.12	23.52
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	83.50	27.20
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	126.74	31.03
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	189.74	36.18
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	271.95	42.18

33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.34	10.86
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	23.10	14.05
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.29	18.86
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.71	21.81
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	119.61	28.34
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	184.83	38.14
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	217.66	50.80
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	241.09	67.66

33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	20.98	12.40
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	29.75	14.80
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	30.82	16.32
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	39.28	17.83

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	43.45	20.24
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	90.62	25.04
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	169.53	33.21
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	80.65	36.26
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	100.26	39.55
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	101.77	44.43
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	191.79	48.02
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	205.07	52.88
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	220.88	59.23
33 31 11 00-0065		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	26.71	16.42
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	34.81	21.23
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	50.10	28.02
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	67.49	34.80
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	146.37	38.14
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	191.55	50.80
33 31 11 00-0072		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	28.83	16.42
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	36.05	21.23
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	51.67	28.02
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	70.05	34.80
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	136.74	38.14
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	173.25	50.80
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	228.95	67.79
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	342.32	90.46
33 31 11 00-0081		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	32.14	16.42
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	39.28	21.23
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	49.49	28.02
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	66.53	34.80
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	68.94	34.80
33 31 11 00-0087		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	40.80	21.23
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	53.62	28.02
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	86.56	37.81
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	129.19	45.74
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	52.62	28.02
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	78.92	37.81
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	116.58	45.74
33 31 11 00-0095		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.46	16.42
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.16	21.23
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.03	28.02
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	97.77	34.80
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	49.11	21.23
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	72.14	28.02
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	60.86	28.02
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.97	34.80
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	97.45	34.80
33 31 11 00-0105		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.84	21.23
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.85	28.02
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.17	37.81
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	176.59	45.74
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	467.93	50.64
33 31 11 00-0111		**Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0112	EA	4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	197.40	87.04
33 31 11 00-0113	EA	6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	362.60	112.29
33 31 11 00-0114	EA	8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	479.18	158.24
33 31 11 00-0115	EA	10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	702.46	254.55
33 31 11 00-0116		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	17.37	10.86
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	22.07	13.97
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	31.06	18.70
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	37.54	21.81
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	69.40	28.34
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	134.76	38.14
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	196.47	50.80
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	306.45	67.66
33 31 11 00-0125		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	94.12	59.82
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	69.67	45.50
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	70.31	45.50
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	72.03	45.50
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	94.59	59.82
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	93.22	59.82
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	90.96	59.82
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	47.74	30.76
33 31 11 00-0134		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	21.49	11.68
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	30.69	14.54
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	49.47	18.78
33 31 11 00-0138		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	17.08	10.86
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	22.11	14.05
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	30.89	18.86
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	37.57	21.81
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	55.47	28.34
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	140.43	38.14
33 31 11 00-0145		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	9.98	3.32
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	14.08	3.86
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	19.78	4.49
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	25.50	4.65
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	32.44	4.81
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	44.18	4.99
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	57.64	5.17
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.45	5.60
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	93.80	5.71
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	117.25	7.09
33 31 11 00-0156		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	8.57	3.32
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	11.58	3.86
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	15.71	4.49
33 31 11 00-0160		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0161		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	57.76	19.92
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	83.77	23.17
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	168.89	26.26
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	471.49	30.89
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	609.10	39.38
33 31 11 00-0167		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	52.71	19.92
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	78.21	23.17
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	154.82	26.26
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	339.06	30.89
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	483.18	39.38
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,027.64	55.61
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,627.76	78.78
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,708.17	104.26
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,691.74	139.01

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0177		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	87.35	29.89
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	136.45	33.13
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	152.67	34.76
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	167.98	36.38
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	191.35	37.99
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	357.31	39.62
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	454.83	40.54
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	514.52	42.48
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	754.61	44.10
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	980.49	46.34
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	559.49	49.35
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	593.55	50.97
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	841.39	52.59
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,207.82	54.83
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,360.40	59.08
33 31 11 00-0193		**Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	83.43	29.89
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.41	33.13
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	135.14	34.76
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	162.38	36.38
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	184.67	37.99
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	277.59	39.62
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	417.05	40.86
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	425.65	42.48
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	634.95	44.10
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	701.94	46.34
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	527.90	49.35
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	544.49	50.97
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	774.14	52.59
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	930.46	54.83
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	972.03	59.08
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,197.44	71.06
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,327.51	75.30
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,656.79	83.41
33 31 11 00-0212		**Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	57.31	19.92
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	86.74	23.17
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	125.75	26.42
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	232.90	30.89
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	329.21	39.38
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	637.99	55.61
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,192.82	78.78
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,982.87	104.26
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,867.16	139.01
33 31 11 00-0222		**Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	105.09	21.55
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	148.44	23.17
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	156.63	24.79
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	344.82	27.03
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	395.64	28.66
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	441.87	31.28
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	506.32	32.90
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	579.82	35.14
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	871.48	47.50
33 31 11 00-0232		**Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	88.44	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	116.04	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	118.45	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	192.28	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	202.40	
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	376.42	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	219.68	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	238.64	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	519.60	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	610.90	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	254.99	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	271.54	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0245		Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*		
33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	94.10	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	116.04	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	126.16	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	177.28	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	201.19	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	300.89	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	218.48	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	237.50	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	350.48	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	424.21	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	254.25	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	265.94	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	432.99	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	477.48	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	668.73	
33 31 11 00-0261		Couplings And Plug Fittings *(33 31 11)*		
33 31 11 00-0262		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0261)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.		
33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	15.70	5.64
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	17.17	6.57
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	19.83	7.51
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	22.46	7.98
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.39	8.45
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	32.36	9.39
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	41.02	10.33
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	50.51	10.80
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	92.35	11.27
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	126.54	12.21
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	246.42	12.68
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	286.62	13.39
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	317.72	14.09
33 31 11 00-0276	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	380.94	15.03
33 31 11 00-0277		Cast Iron Service Saddles With U Bolt *(33 31 11)*		
33 31 11 00-0278	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	91.75	
33 31 11 00-0279	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	92.21	
33 31 11 00-0280	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	101.55	
33 31 11 00-0281	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	98.15	
33 31 11 00-0282	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	110.64	
33 31 11 00-0283	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	124.28	
33 31 11 00-0284	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	147.15	
33 31 11 00-0285	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	124.30	
33 31 11 00-0286	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	133.15	
33 31 11 00-0287	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	156.80	
33 31 11 00-0288	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	100.75	
33 31 11 00-0289	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	110.09	
33 31 11 00-0290	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	130.35	
33 31 11 00-0291	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	154.61	
33 31 11 00-0292	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	166.09	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001		Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*		
33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,973.35	277.89
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,944.05	277.89
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	946.11	92.60
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,490.67	92.60
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	7,905.55	
33 32 16 00-0007		Submersible Grinder Pumps *(33 32 16)* Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA	2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	3,410.05	554.63
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	5,171.69	647.07
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	6,316.89	831.96

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	2,481.52	554.63
		For Non-Traffic Rated, Deduct	*-450.10*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	2,966.31	612.22
		For Non-Traffic Rated, Deduct	*-553.66*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	3,433.06	669.72
		For Non-Traffic Rated, Deduct	*-652.70*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	4,367.43	727.96
		For Non-Traffic Rated, Deduct	*-869.06*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	5,244.10	1,005.27
		For Non-Traffic Rated, Deduct	*-1,003.53*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	13,570.30	1,386.59
		For Non-Traffic Rated, Deduct	*-2,967.35*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	24,545.13	2,079.88
		For Non-Traffic Rated, Deduct	*-5,500.27*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	27,686.07	2,911.84
		For Non-Traffic Rated, Deduct	*-6,035.64*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	33,926.43	3,483.85
		For Non-Traffic Rated, Deduct	*-7,418.55*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	40,160.53	4,315.81
		For Non-Traffic Rated, Deduct	*-8,711.32*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	1,312.02	415.98
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	1,663.97	554.63
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	1,763.39	502.68
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	2,189.09	544.19
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	2,687.14	754.30
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	6,435.68	1,039.95
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	11,466.53	1,559.92
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	13,151.17	2,183.87
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	16,096.64	2,610.21

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	813.02	170.41
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,217.79	191.72
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,677.69	234.32
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,730.04	255.62
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,995.51	276.92
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,378.00	298.22
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,678.27	213.01
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,841.48	255.62
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,154.31	276.92
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,517.29	298.22

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	816.58	81.34
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,158.70	115.55
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,543.29	138.66
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,506.70	231.09
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,672.99	323.54

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	224.06	55.61
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	261.62	66.73
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	441.26	77.86
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	863.11	133.47

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 53 13-0006		Leaching Field Chambers - Precast Concrete *(33 34 53 13)*		
33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	978.76	70.62
33 34 53 13-0008	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,188.70	96.30
33 34 56		**Drainage Field Dosing Chambers** *(33 34)*		
33 34 56 00-0001		Dosing Siphon *(33 34 56)*		
33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	3,317.26	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	2,268.83	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	2,180.82	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

See CSI section 33 42 11 00-0227 for polyethylene drain pipe.

33 41 16 00-0001		Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.40	3.34
33 41 16 00-0003	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.90	3.61
33 41 16 00-0004	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.28	4.33
33 41 16 00-0005	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.79	5.41
33 41 16 00-0006	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	20.93	6.18
33 41 16 00-0007	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.96	7.21
33 41 16 00-0008	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	42.87	8.65
33 41 16 00-0009		Perforated Non Reinforced Concrete Drainage Piping, C444 *(33 41 16)*		
33 41 16 00-0010	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	22.96	9.53
		For Extra Strength, Add	*1.10*	
		For >1,000, Deduct	*-1.15*	
33 41 16 00-0011	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	26.66	10.58
		For Extra Strength, Add	*1.36*	
		For >1,000, Deduct	*-1.33*	
33 41 16 00-0012	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	30.04	11.64
		For Extra Strength, Add	*1.58*	
		For >1,000, Deduct	*-1.50*	
33 41 16 00-0013	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	34.97	12.70
		For Extra Strength, Add	*1.98*	
		For >1,000, Deduct	*-1.75*	
33 41 16 00-0014		Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16)*		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	19.55	9.53
		For >1,000, Deduct	*-0.98*	
33 41 16 00-0016	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	21.66	10.58
		For >1,000, Deduct	*-1.08*	
33 41 16 00-0017	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	23.87	11.64
		For >1,000, Deduct	*-1.19*	
33 41 16 00-0018	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	27.06	12.09
		For >1,000, Deduct	*-1.35*	
33 41 16 00-0019	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	31.24	13.60
		For >1,000, Deduct	*-1.56*	
33 41 16 00-0020	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	38.70	17.39
		For >1,000, Deduct	*-1.94*	
33 41 16 00-0021	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	48.41	22.30
		For >1,000, Deduct	*-2.42*	
33 41 16 00-0022	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	58.99	27.21
		For >1,000, Deduct	*-2.95*	
33 41 16 00-0023		Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16)*		
33 41 16 00-0024	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	18.43	9.53
		For >1,000, Deduct	*-0.92*	
33 41 16 00-0025	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	22.90	10.58
		For >1,000, Deduct	*-1.15*	
33 41 16 00-0026	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	28.38	11.64
		For >1,000, Deduct	*-1.42*	
33 41 16 00-0027	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	33.97	12.70
		For >1,000, Deduct	*-1.70*	
33 41 16 00-0028	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	38.77	14.13
		For >1,000, Deduct	*-1.94*	
33 41 16 00-0029	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	50.00	17.62
		For >1,000, Deduct	*-2.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0030		**Perforated Vitrified Clay Drainage Piping, C700** *(33 41 16)*		
33 41 16 00-0031	LF	4" Perforated Vitrified Clay Drainage Pipe	20.12	10.58
33 41 16 00-0032	LF	6" Perforated Vitrified Clay Drainage Pipe	24.11	11.90
33 41 16 00-0033	LF	8" Perforated Vitrified Clay Drainage Pipe	27.65	11.90
33 41 16 00-0034	LF	10" Perforated Vitrified Clay Drainage Pipe	37.19	14.54
33 41 16 00-0035	LF	12" Perforated Vitrified Clay Drainage Pipe	44.33	15.87
33 41 16 00-0036		**Geotextile Filter Fabric Sock** *(33 41 16)*		
33 41 16 00-0037	LF	3" Geotextile Filter Fabric Sock	0.55	
33 41 16 00-0038	LF	4" Geotextile Filter Fabric Sock	0.72	
33 41 16 00-0039	LF	6" Geotextile Filter Fabric Sock	1.11	
33 41 16 00-0040	LF	8" Geotextile Filter Fabric Sock	1.48	
33 41 16 00-0041	LF	10" Geotextile Filter Fabric Sock	2.16	
33 41 16 00-0042	LF	12" Geotextile Filter Fabric Sock	2.92	
33 41 16 00-0043	LF	15" Geotextile Filter Fabric Sock	3.44	
33 41 16 00-0044		**Strip-Perforated, Galvanized, Corrugated Steel Pipe** *(33 41 16)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0045	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	16.14	4.53
		For Full Perforated, Add	*0.71*	
33 41 16 00-0046	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	20.31	5.50
		For Full Perforated, Add	*0.93*	
33 41 16 00-0047	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.63	6.98
		For Full Perforated, Add	*1.17*	
33 41 16 00-0048	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	28.72	8.24
		For Full Perforated, Add	*1.22*	
33 41 16 00-0049	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.42	8.54
		For Full Perforated, Add	*1.54*	
33 41 16 00-0050	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	36.23	8.85
		For Full Perforated, Add	*1.85*	
33 41 16 00-0051	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.16	9.55
		For Full Perforated, Add	*2.21*	
33 41 16 00-0052		**Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe** *(33 41 16)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0053	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	17.27	4.53
		For Full Perforated, Add	*0.82*	
33 41 16 00-0054	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	21.85	5.50
		For Full Perforated, Add	*1.09*	
33 41 16 00-0055	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.51	6.98
		For Full Perforated, Add	*1.36*	
33 41 16 00-0056	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	30.54	8.24
		For Full Perforated, Add	*1.40*	
33 41 16 00-0057	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	34.68	8.54
		For Full Perforated, Add	*1.76*	
33 41 16 00-0058	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	38.91	8.85
		For Full Perforated, Add	*2.12*	
33 41 16 00-0059	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.28	9.55
		For Full Perforated, Add	*2.52*	
33 41 16 00-0060		**Strip-Perforated, Corrugated Aluminum Pipe** *(33 41 16)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0061	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	17.64	4.53
		For Full Perforated, Add	*0.86*	
33 41 16 00-0062	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	22.32	5.50
		For Full Perforated, Add	*1.13*	
33 41 16 00-0063	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.11	6.98
		For Full Perforated, Add	*1.42*	
33 41 16 00-0064	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	35.06	8.24
		For Full Perforated, Add	*1.86*	
33 41 16 00-0065	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	40.30	8.54
		For Full Perforated, Add	*2.32*	
33 41 16 00-0066	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.72	8.85
		For Full Perforated, Add	*2.80*	
33 41 16 00-0067	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	52.22	9.55
		For Full Perforated, Add	*3.31*	
33 41 16 00-0068		**Prefabricated Composite Drains** *(33 41 16)*		
33 41 16 00-0069		**Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)** *(33 41 16 00-0068)*		
		Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0070	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	7.14	1.73
		For External Typar Geotextile Wrap, Add	*1.15*	
33 41 16 00-0071	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	31.18	
33 41 16 00-0072	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	31.18	
33 41 16 00-0073	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	57.95	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0074	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	57.95	
33 41 16 00-0075	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.13	2.16
		For External Typar Geotextile Wrap, Add	*1.73*	
33 41 16 00-0076	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	44.92	
33 41 16 00-0077	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	44.92	
33 41 16 00-0078	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	65.14	
33 41 16 00-0079	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	65.14	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 00-0001 Capillary Water Barrier Underslab Drainage *(33 41 19)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 00-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	44.89	
33 41 19 00-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	42.87	
33 41 19 00-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	42.07	
33 41 19 00-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	40.86	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	33.85	12.70
		For >1,000, Deduct	*-1.69*	
		For Class 4, Add	*1.49*	
		For Class 5, Add	*3.14*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	40.30	14.13
		For >1,000, Deduct	*-2.02*	
		For Class 4, Add	*1.91*	
		For Class 5, Add	*4.02*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	46.32	17.62
		For >1,000, Deduct	*-2.32*	
		For Class 4, Add	*2.01*	
		For Class 5, Add	*4.23*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	59.24	22.22
		For >1,000, Deduct	*-2.96*	
		For Class 4, Add	*2.61*	
		For Class 5, Add	*5.50*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	69.66	26.98
		For >1,000, Deduct	*-3.48*	
		For Class 4, Add	*2.96*	
		For Class 5, Add	*6.22*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	88.13	34.20
		For >1,000, Deduct	*-4.41*	
		For Class 4, Add	*3.73*	
		For Class 5, Add	*7.86*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	93.53	35.31
		For >1,000, Deduct	*-4.68*	
		For Class 4, Add	*4.04*	
		For Class 5, Add	*8.50*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	114.36	40.13
		For >1,000, Deduct	*-5.72*	
		For Class 4, Add	*5.47*	
		For Class 5, Add	*11.52*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	145.81	44.14
		For >1,000, Deduct	*-7.29*	
		For Class 4, Add	*7.92*	
		For Class 5, Add	*16.67*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	173.63	49.15
		For >1,000, Deduct	*-8.68*	
		For Class 4, Add	*9.82*	
		For Class 5, Add	*20.68*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	214.52	56.17
		For >1,000, Deduct	*-10.73*	
		For Class 4, Add	*12.76*	
		For Class 5, Add	*26.85*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	258.23	65.16
		For >1,000, Deduct	*-12.91*	
		For Class 4, Add	*15.69*	
		For Class 5, Add	*33.03*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	389.20	72.22
		For >1,000, Deduct	*-19.46*	
		For Class 4, Add	*27.22*	
		For Class 5, Add	*57.30*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	452.45	78.65
		For >1,000, Deduct	*-22.62*	
		For Class 4, Add	*32.31*	
		For Class 5, Add	*68.02*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	542.21	88.27
		For >1,000, Deduct	*-27.11*	
		For Class 4, Add	*39.50*	
		For Class 5, Add	*83.16*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	693.60	98.31
		For >1,000, Deduct	*-34.68*	
		For Class 4, Add	*52.55*	
		For Class 5, Add	*110.63*	
33 42 11 00-0019		**HE-I Elliptical Reinforced Concrete Piping Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	54.75	19.95
		For >1,000, Deduct	*-2.74*	
		For Horizontal Elliptical - II (HE- II), Add	*2.63*	
		For Horizontal Elliptical - III (HE- III), Add	*5.78*	
		For Horizontal Elliptical - IV (HE- IV), Add	*12.60*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	79.26	23.43
		For >1,000, Deduct	*-3.96*	
		For Horizontal Elliptical - II (HE- II), Add	*4.58*	
		For Horizontal Elliptical - III (HE- III), Add	*10.07*	
		For Horizontal Elliptical - IV (HE- IV), Add	*21.98*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	111.17	35.89
		For >1,000, Deduct	*-5.56*	
		For Horizontal Elliptical - II (HE- II), Add	*5.99*	
		For Horizontal Elliptical - III (HE- III), Add	*13.18*	
		For Horizontal Elliptical - IV (HE- IV), Add	*28.76*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	131.94	45.48
		For >1,000, Deduct	*-6.60*	
		For Horizontal Elliptical - II (HE- II), Add	*6.70*	
		For Horizontal Elliptical - III (HE- III), Add	*14.73*	
		For Horizontal Elliptical - IV (HE- IV), Add	*32.15*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	139.81	47.52
		For >1,000, Deduct	*-6.99*	
		For Horizontal Elliptical - II (HE- II), Add	*7.19*	
		For Horizontal Elliptical - III (HE- III), Add	*15.82*	
		For Horizontal Elliptical - IV (HE- IV), Add	*34.53*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	159.14	50.18
		For >1,000, Deduct	*-7.96*	
		For Horizontal Elliptical - II (HE- II), Add	*8.75*	
		For Horizontal Elliptical - III (HE- III), Add	*19.24*	
		For Horizontal Elliptical - IV (HE- IV), Add	*41.99*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	178.47	52.82
		For >1,000, Deduct	*-8.92*	
		For Horizontal Elliptical - II (HE- II), Add	*10.30*	
		For Horizontal Elliptical - III (HE- III), Add	*22.66*	
		For Horizontal Elliptical - IV (HE- IV), Add	*49.44*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	215.56	58.13
		For >1,000, Deduct	*-10.78*	
		For Horizontal Elliptical - II (HE- II), Add	*13.25*	
		For Horizontal Elliptical - III (HE- III), Add	*29.15*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.61*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	258.28	65.37
		For >1,000, Deduct	*-12.91*	
		For Horizontal Elliptical - II (HE- II), Add	*16.49*	
		For Horizontal Elliptical - III (HE- III), Add	*36.27*	
		For Horizontal Elliptical - IV (HE- IV), Add	*79.14*	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	294.10	74.72
		For >1,000, Deduct	*-14.71*	
		For Horizontal Elliptical - II (HE- II), Add	*18.74*	
		For Horizontal Elliptical - III (HE- III), Add	*41.22*	
		For Horizontal Elliptical - IV (HE- IV), Add	*89.93*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	362.38	86.67
		For >1,000, Deduct	*-18.12*	
		For Horizontal Elliptical - II (HE- II), Add	*23.86*	
		For Horizontal Elliptical - III (HE- III), Add	*52.49*	
		For Horizontal Elliptical - IV (HE- IV), Add	*114.51*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	412.55	95.49
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	496.80	104.33
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	591.19	117.97
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	641.04	130.81
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	811.59	137.23
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	935.84	143.65
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	380.41	48.37
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	456.51	58.95
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	561.68	65.00
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	646.43	80.11
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	732.39	96.74
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	3.48	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	4.12	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	4.78	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	5.77	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	6.76	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	7.54	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	8.28	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	10.12	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	11.73	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	13.53	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	16.58	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	24.54	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	25.51	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	26.45	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	30.46	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	36.52	

33 42 11 00-0060 Precast Concrete Cut Off Wall *(33 42 11 00-0001)*

33 42 11 00-0061	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	218.74	141.24
33 42 11 00-0062	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	269.65	174.95
33 42 11 00-0063	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	333.40	221.49
33 42 11 00-0064	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	393.94	264.83
33 42 11 00-0065	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	452.80	306.48
33 42 11 00-0066	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	555.15	391.63
33 42 11 00-0067	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	720.17	539.29
33 42 11 00-0068	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	895.98	680.53
33 42 11 00-0069	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,103.42	853.72
33 42 11 00-0070	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,233.46	962.21
33 42 11 00-0071	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,376.18	1,078.58
33 42 11 00-0072	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,520.55	1,198.15
33 42 11 00-0073	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,580.25	1,243.90
33 42 11 00-0074	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,632.77	1,284.02
33 42 11 00-0075	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,685.30	1,324.15
33 42 11 00-0076	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,739.37	1,364.27

33 42 11 00-0077 Strap Assembly *(33 42 11 00-0001)*

Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.

33 42 11 00-0078	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	167.29
33 42 11 00-0079	EA	>24" Diameter Pipe, 12' Strap Assembly	235.11

33 42 11 00-0080 Prestressed Concrete Cylinder Piping *(33 42 11)*

33 42 11 00-0081 150 PSI Prestressed Concrete Cylinder Pipe And Fittings *(33 42 11 00-0080)*

33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets *(33 42 11 00-0081)*

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0083	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	85.83	12.70
		For >1,000, Deduct	*-4.29*	
		For 100 PSI, Deduct	*-16.92*	
33 42 11 00-0084	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	91.79	14.13
		For >1,000, Deduct	*-4.59*	
		For 100 PSI, Deduct	*-17.90*	
33 42 11 00-0085	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	100.69	17.62
		For >1,000, Deduct	*-5.03*	
		For 100 PSI, Deduct	*-18.88*	
33 42 11 00-0086	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	111.19	22.22
		For >1,000, Deduct	*-5.56*	
		For 100 PSI, Deduct	*-19.86*	
33 42 11 00-0087	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	121.91	26.98
		For >1,000, Deduct	*-6.10*	
		For 100 PSI, Deduct	*-20.84*	
33 42 11 00-0088	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	144.39	35.31
		For >1,000, Deduct	*-7.22*	
		For 100 PSI, Deduct	*-23.34*	
33 42 11 00-0089	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.06	40.13
		For >1,000, Deduct	*-8.00*	
		For 100 PSI, Deduct	*-25.83*	
33 42 11 00-0090	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	185.00	44.14
		For >1,000, Deduct	*-9.25*	
		For 100 PSI, Deduct	*-30.64*	
33 42 11 00-0091	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	212.02	49.15
		For >1,000, Deduct	*-10.60*	
		For 100 PSI, Deduct	*-35.45*	
33 42 11 00-0092	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	279.54	63.00
		For >1,000, Deduct	*-13.98*	
		For 100 PSI, Deduct	*-47.39*	
33 42 11 00-0093	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	335.99	73.09
		For >1,000, Deduct	*-16.80*	
		For 100 PSI, Deduct	*-57.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0094	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	377.07	81.01
		For >1,000, Deduct	*-18.85*	
		For 100 PSI, Deduct	*-65.47*	
33 42 11 00-0095	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	419.93	88.20
		For >1,000, Deduct	*-21.00*	
		For 100 PSI, Deduct	*-73.48*	
33 42 11 00-0096	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	476.65	99.00
		For >1,000, Deduct	*-23.83*	
		For 100 PSI, Deduct	*-83.73*	
33 42 11 00-0097	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	533.39	110.25
		For >1,000, Deduct	*-26.67*	
		For 100 PSI, Deduct	*-93.97*	
33 42 11 00-0098	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	656.57	128.70
		For >1,000, Deduct	*-32.83*	
		For 100 PSI, Deduct	*-118.02*	
33 42 11 00-0099	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	771.12	146.98
		For >1,000, Deduct	*-38.56*	
		For 100 PSI, Deduct	*-140.29*	
33 42 11 00-0100	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	894.56	158.57
		For >1,000, Deduct	*-44.73*	
		For 100 PSI, Deduct	*-167.01*	
33 42 11 00-0101	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,006.57	168.39
		For >1,000, Deduct	*-50.33*	
		For 100 PSI, Deduct	*-191.50*	
33 42 11 00-0102	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,207.64	178.21
		For >1,000, Deduct	*-60.38*	
		For 100 PSI, Deduct	*-238.26*	
33 42 11 00-0103	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,398.62	187.20
		For >1,000, Deduct	*-69.93*	
		For 100 PSI, Deduct	*-282.80*	
33 42 11 00-0104	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,521.92	196.19
		For >1,000, Deduct	*-76.10*	
		For 100 PSI, Deduct	*-310.41*	
33 42 11 00-0105	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,646.98	205.18
		For >1,000, Deduct	*-82.35*	
		For 100 PSI, Deduct	*-338.47*	
33 42 11 00-0106	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,771.17	214.18
		For >1,000, Deduct	*-88.56*	
		For 100 PSI, Deduct	*-366.30*	
33 42 11 00-0107	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,895.35	223.17
		For >1,000, Deduct	*-94.77*	
		For 100 PSI, Deduct	*-394.14*	

33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0109	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	328.92	119.04
33 42 11 00-0110	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	457.67	170.05
33 42 11 00-0111	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	592.42	226.73
33 42 11 00-0112	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	727.17	283.41
33 42 11 00-0113	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	886.83	352.20
33 42 11 00-0114	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,130.64	472.36
33 42 11 00-0115	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,408.31	561.76
33 42 11 00-0116	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,640.87	655.65
33 42 11 00-0117	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,852.52	748.75
33 42 11 00-0118	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,285.37	934.93
33 42 11 00-0119	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,996.51	1,260.02
33 42 11 00-0120	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,346.26	1,395.02
33 42 11 00-0121	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,696.01	1,530.02
33 42 11 00-0122	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,390.01	1,755.02
33 42 11 00-0123	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,079.05	1,980.03
33 42 11 00-0124	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,987.07	2,250.03
33 42 11 00-0125	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,890.10	2,520.04
33 42 11 00-0126	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,101.34	3,188.07
33 42 11 00-0127	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	11,282.47	3,825.68
33 42 11 00-0128	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,723.53	5,100.90
33 42 11 00-0129	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,104.22	6,376.13
33 42 11 00-0130	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,284.85	6,877.11
33 42 11 00-0131	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,468.86	7,378.09
33 42 11 00-0132	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,517.24	7,879.07
33 42 11 00-0133	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	26,878.88	8,380.05

33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0135	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	310.75	119.04
33 42 11 00-0136	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	434.16	170.05
33 42 11 00-0137	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	564.63	226.73
33 42 11 00-0138	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	695.10	283.41
33 42 11 00-0139	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	850.49	352.20
33 42 11 00-0140	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,080.76	440.62
33 42 11 00-0141	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,351.31	561.76
33 42 11 00-0142	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,574.96	655.65
33 42 11 00-0143	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,781.62	748.75

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0144	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,178.19	934.93
33 42 11 00-0145	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,900.55	1,260.02
33 42 11 00-0146	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,243.35	1,395.02
33 42 11 00-0147	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,586.14	1,530.02
33 42 11 00-0148	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,133.54	1,755.02
33 42 11 00-0149	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,675.99	1,980.03
33 42 11 00-0150	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,478.40	2,250.03
33 42 11 00-0151	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,275.84	2,520.04
33 42 11 00-0152	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,120.46	3,150.05
33 42 11 00-0153	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,087.04	3,825.68
33 42 11 00-0154	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	13,237.25	5,100.90
33 42 11 00-0155	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	16,327.09	6,376.13
33 42 11 00-0156	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,116.45	6,877.11
33 42 11 00-0157	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	19,909.17	8,380.05
33 42 11 00-0158	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	21,706.08	7,879.07
33 42 11 00-0159	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,749.28	8,380.05

33 42 11 00-0160 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0080)*

33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0162	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	167.82	35.31
		For >1,000, Deduct	*-8.39*	
33 42 11 00-0163	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	203.33	40.13
		For >1,000, Deduct	*-10.17*	
33 42 11 00-0164	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	236.36	44.14
		For >1,000, Deduct	*-11.82*	

33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0166	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	315.20	49.12
		For >1,000, Deduct	*-15.76*	
33 42 11 00-0167	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	378.57	63.00
		For >1,000, Deduct	*-18.93*	
33 42 11 00-0168	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	436.58	73.09
		For >1,000, Deduct	*-21.83*	
33 42 11 00-0169	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	490.97	81.01
		For >1,000, Deduct	*-24.55*	
33 42 11 00-0170	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	591.59	88.20
		For >1,000, Deduct	*-29.58*	

33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0160)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0172	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	1,215.29
33 42 11 00-0173	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	1,305.32
33 42 11 00-0174	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	1,350.33
33 42 11 00-0175	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	1,530.37
33 42 11 00-0176	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	1,575.38
33 42 11 00-0177	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	1,665.40
33 42 11 00-0178	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	1,710.41
33 42 11 00-0179	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	1,755.42
33 42 11 00-0180	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,250.54
33 42 11 00-0181	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,250.54
33 42 11 00-0182	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,565.62
33 42 11 00-0183	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,565.62
33 42 11 00-0184	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,745.66
33 42 11 00-0185	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,745.66
33 42 11 00-0186	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,970.72
33 42 11 00-0187	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,970.72

33 42 11 00-0188 Quick Test Joints *(33 42 11 00-0160)*

33 42 11 00-0189	EA	30" Quick Test Joint	355.29
33 42 11 00-0190	EA	36" Quick Test Joint	359.30
33 42 11 00-0191	EA	42" Quick Test Joint	363.31
33 42 11 00-0192	EA	48" Quick Test Joint	371.33
33 42 11 00-0193	EA	54" Quick Test Joint	390.43
33 42 11 00-0194	EA	60" Quick Test Joint	406.11
33 42 11 00-0195	EA	66" Quick Test Joint	428.47
33 42 11 00-0196	EA	72" Quick Test Joint	450.81

33 42 11 00-0197 Harnessed Joints *(33 42 11 00-0160)*

33 42 11 00-0198 Harness Clamp Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0199	EA	30" Harness Clamp Restrained Joint	2,141.30

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0200	EA	36" Harness Clamp Restrained Joint	2,225.20	
33 42 11 00-0201	EA	42" Harness Clamp Restrained Joint	2,309.10	
33 42 11 00-0202	EA	48" Harness Clamp Restrained Joint	2,393.01	
33 42 11 00-0203	EA	54" Harness Clamp Restrained Joint	2,486.66	
33 42 11 00-0204	EA	60" Harness Clamp Restrained Joint	2,615.49	
33 42 11 00-0205	EA	66" Harness Clamp Restrained Joint	2,704.39	
33 42 11 00-0206	EA	72" Harness Clamp Restrained Joint	2,897.12	

33 42 11 00-0207 Snap Ring Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0208	EA	30" Snap Ring Restrained Joint	383.75	
33 42 11 00-0209	EA	36" Snap Ring Restrained Joint	435.70	
33 42 11 00-0210	EA	42" Snap Ring Restrained Joint	575.52	
33 42 11 00-0211	EA	48" Snap Ring Restrained Joint	651.44	
33 42 11 00-0212	EA	54" Snap Ring Restrained Joint	737.10	
33 42 11 00-0213	EA	60" Snap Ring Restrained Joint	833.98	
33 42 11 00-0214	EA	66" Snap Ring Restrained Joint	922.87	
33 42 11 00-0215	EA	72" Snap Ring Restrained Joint	1,027.73	

33 42 11 00-0216 Pipe Repairs *(33 42 11 00-0160)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0217 Lined Cylinder Pipe Repair *(33 42 11 00-0216)*

33 42 11 00-0218	EA	30" Lined Cylinder Pipe Repair	5,169.66	
33 42 11 00-0219	EA	36" Lined Cylinder Pipe Repair	6,410.90	
33 42 11 00-0220	EA	42" Lined Cylinder Pipe Repair	6,565.27	

33 42 11 00-0221 Embedded Cylinder Pipe Repair *(33 42 11 00-0216)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0222	EA	48" Embedded Cylinder Pipe Repair	9,584.25	
33 42 11 00-0223	EA	54" Embedded Cylinder Pipe Repair	11,103.10	
33 42 11 00-0224	EA	60" Embedded Cylinder Pipe Repair	12,635.46	
33 42 11 00-0225	EA	66" Embedded Cylinder Pipe Repair	14,272.35	
33 42 11 00-0226	EA	72" Embedded Cylinder Pipe Repair	17,073.91	

33 42 11 00-0227 High Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

33 42 11 00-0228 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0229 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0228)*

33 42 11 00-0230	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.59	5.21
		For <100, Add	*2.08*	
		For >1,000, Deduct	*-0.58*	
33 42 11 00-0231	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.09	6.06
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-0.75*	
33 42 11 00-0232	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.54	7.04
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-0.93*	
33 42 11 00-0233	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.01	7.29
		For <100, Add	*2.92*	
		For >1,000, Deduct	*-1.05*	
33 42 11 00-0234	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.08	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0235	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.00	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.25*	
33 42 11 00-0236	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.15	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.51*	
33 42 11 00-0237	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	41.20	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.06*	
33 42 11 00-0238	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	58.38	12.78
		For <100, Add	*5.11*	
		For >1,000, Deduct	*-2.92*	
33 42 11 00-0239	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	76.68	16.15
		For <100, Add	*6.46*	
		For >1,000, Deduct	*-3.83*	

33 42 11 00-0240 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0228)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0241	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.95	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0242	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.49	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.27*	
33 42 11 00-0243	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.89	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.54*	
33 42 11 00-0244	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	42.37	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.12*	
33 42 11 00-0245	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	61.58	12.78
		For <100, Add	*5.11*	
		For >1,000, Deduct	*-3.08*	
33 42 11 00-0246	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	79.06	16.15
		For <100, Add	*6.46*	
		For >1,000, Deduct	*-3.95*	
33 42 11 00-0247	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	102.73	17.62
		For <100, Add	*7.05*	
		For >1,000, Deduct	*-5.14*	
33 42 11 00-0248	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	112.09	19.88
		For <100, Add	*7.95*	
		For >1,000, Deduct	*-5.60*	

33 42 11 00-0249 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0250 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0249)*

33 42 11 00-0251	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.14	5.21
		For <100, Add	*2.08*	
		For >1,000, Deduct	*-0.56*	
33 42 11 00-0252	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.72	6.06
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-0.69*	
33 42 11 00-0253	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.92	7.04
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-0.85*	
33 42 11 00-0254	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.82	7.29
		For <100, Add	*2.92*	
		For >1,000, Deduct	*-0.99*	
33 42 11 00-0255	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.62	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.08*	
33 42 11 00-0256	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.14	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.26*	
33 42 11 00-0257	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.07	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0258	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	42.20	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.11*	

33 42 11 00-0259 Perforated, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0260 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0259)*

33 42 11 00-0261	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.20	5.21
		For <100, Add	*2.08*	
		For >1,000, Deduct	*-0.61*	
33 42 11 00-0262	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.12	6.06
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-0.76*	
33 42 11 00-0263	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.54	7.04
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-0.93*	
33 42 11 00-0264	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.03	7.29
		For <100, Add	*2.92*	
		For >1,000, Deduct	*-1.05*	
33 42 11 00-0265	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.08	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0266	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.02	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.25*	
33 42 11 00-0267	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.17	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0268	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	41.20	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.06*	
33 42 11 00-0269	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	58.58	12.78
		For <100, Add	*5.11*	
		For >1,000, Deduct	*-2.93*	
33 42 11 00-0270	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	76.68	16.15
		For <100, Add	*6.46*	
		For >1,000, Deduct	*-3.83*	

33 42 11 00-0271 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0259)*

33 42 11 00-0272	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.97	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0273	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.51	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.28*	
33 42 11 00-0274	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.91	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0275	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	42.37	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.12*	
33 42 11 00-0276	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	61.58	12.78
		For <100, Add	*5.11*	
		For >1,000, Deduct	*-3.08*	
33 42 11 00-0277	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	79.06	16.15
		For <100, Add	*6.46*	
		For >1,000, Deduct	*-3.95*	
33 42 11 00-0278	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	102.73	17.62
		For <100, Add	*7.05*	
		For >1,000, Deduct	*-5.14*	
33 42 11 00-0279	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	112.09	19.88
		For <100, Add	*7.95*	
		For >1,000, Deduct	*-5.60*	

33 42 11 00-0280 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0259)*

33 42 11 00-0281	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.53	5.21
		For <100, Add	*2.08*	
		For >1,000, Deduct	*-0.58*	
33 42 11 00-0282	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.72	6.06
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-0.69*	
33 42 11 00-0283	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.84	7.04
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-0.84*	
33 42 11 00-0284	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.82	7.29
		For <100, Add	*2.92*	
		For >1,000, Deduct	*-0.99*	
33 42 11 00-0285	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.62	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.08*	
33 42 11 00-0286	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.14	7.81
		For <100, Add	*3.13*	
		For >1,000, Deduct	*-1.26*	
33 42 11 00-0287	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.07	8.10
		For <100, Add	*3.24*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0288	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	42.20	9.49
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.11*	

33 42 11 00-0289 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0290 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0289)*

33 42 11 00-0291	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	48.34	18.54
33 42 11 00-0292	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	60.56	21.63
33 42 11 00-0293	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	96.87	26.28

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0294	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	146.96	32.45
33 42 11 00-0295	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	230.59	38.64
33 42 11 00-0296	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	325.01	50.49
33 42 11 00-0297	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	466.93	67.99
33 42 11 00-0298	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	597.39	77.62
33 42 11 00-0299	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,039.07	89.63
33 42 11 00-0300	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,333.28	103.54
33 42 11 00-0301	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,214.49	123.63
33 42 11 00-0302	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,778.68	146.81
33 42 11 00-0303		Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0289)*		
33 42 11 00-0304	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.93	18.54
33 42 11 00-0305	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	84.26	21.63
33 42 11 00-0306	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	111.83	26.28
33 42 11 00-0307	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	163.46	32.45
33 42 11 00-0308	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	283.65	38.64
33 42 11 00-0309	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	308.73	50.49
33 42 11 00-0310	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	435.26	67.99
33 42 11 00-0311		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0289)*		
33 42 11 00-0312	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	29.51	12.36
33 42 11 00-0313	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	36.33	14.43
33 42 11 00-0314	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	52.61	17.51
33 42 11 00-0315	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	66.17	21.63
33 42 11 00-0316	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	95.36	25.75
33 42 11 00-0317	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	149.79	32.97
33 42 11 00-0318	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	198.70	45.33
33 42 11 00-0319	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	373.22	51.51
33 42 11 00-0320	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	517.26	59.75
33 42 11 00-0321	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	606.04	69.03
33 42 11 00-0322	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	773.85	82.42
33 42 11 00-0323	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,044.63	97.88
33 42 11 00-0324		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0289)*		
33 42 11 00-0325	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	31.87	12.36
33 42 11 00-0326	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	41.26	14.43
33 42 11 00-0327	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	55.12	17.51
33 42 11 00-0328	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	86.61	21.63
33 42 11 00-0329	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	95.36	25.75
33 42 11 00-0330	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	149.38	32.97
33 42 11 00-0331	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	231.67	45.33
33 42 11 00-0332	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	398.69	51.51
33 42 11 00-0333	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	518.47	59.75
33 42 11 00-0334	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	660.94	69.03
33 42 11 00-0335	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	985.73	82.42
33 42 11 00-0336	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,234.53	97.88
33 42 11 00-0337		Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0227)*		
		Note: Excludes couplings and gaskets.		
33 42 11 00-0338		Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0337)*		
33 42 11 00-0339	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	33.80	18.54
33 42 11 00-0340	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	40.15	21.63
33 42 11 00-0341	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	64.10	26.28
33 42 11 00-0342	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	82.13	32.45
33 42 11 00-0343	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	120.81	38.64
33 42 11 00-0344	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	258.32	50.49
33 42 11 00-0345	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	309.81	67.99
33 42 11 00-0346	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	580.00	77.27
33 42 11 00-0347		Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0337)*		
33 42 11 00-0348	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	34.69	18.54
33 42 11 00-0349	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	43.07	21.63
33 42 11 00-0350	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	94.67	26.28
33 42 11 00-0351		45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0337)*		
33 42 11 00-0352	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	22.83	12.36

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0353		**90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0337)*		
33 42 11 00-0354	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	23.77	12.36
33 42 11 00-0355	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	30.55	14.43
33 42 11 00-0356	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	44.92	17.51
33 42 11 00-0357	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	59.02	21.63
33 42 11 00-0358		**Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0227)*		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0359		**Couplings, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0358)*		
33 42 11 00-0360	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.41	
33 42 11 00-0361	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.53	
33 42 11 00-0362	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.89	
33 42 11 00-0363	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.79	
33 42 11 00-0364	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.15	
33 42 11 00-0365	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.33	
33 42 11 00-0366	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	10.84	
33 42 11 00-0367	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	17.26	
33 42 11 00-0368	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	26.50	
33 42 11 00-0369	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	34.68	
33 42 11 00-0370	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	54.52	
33 42 11 00-0371	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	73.74	
33 42 11 00-0372		**Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0358)*		
33 42 11 00-0373	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	74.66	
33 42 11 00-0374	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	78.17	
33 42 11 00-0375	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	81.85	
33 42 11 00-0376	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	85.70	
33 42 11 00-0377	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	101.65	
33 42 11 00-0378	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	104.95	
33 42 11 00-0379	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	109.46	
33 42 11 00-0380	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	124.68	
33 42 11 00-0381	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	199.87	
33 42 11 00-0382	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	218.92	
33 42 11 00-0383	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	238.53	
33 42 11 00-0384	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	289.70	
33 42 11 00-0385		**End Caps, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0358)*		
33 42 11 00-0386	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	22.05	
33 42 11 00-0387	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	25.50	
33 42 11 00-0388	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	39.02	
33 42 11 00-0389	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	63.67	
33 42 11 00-0390	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	73.66	
33 42 11 00-0391	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	98.26	
33 42 11 00-0392	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	102.38	
33 42 11 00-0393		**Corrugated Metal Piping** *(33 42 11)*		
33 42 11 00-0394		**Galvanized Corrugated Steel Piping** *(33 42 11 00-0393)*		
33 42 11 00-0395		**2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0394)*		
33 42 11 00-0396		**16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0395)*		
33 42 11 00-0397	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	26.43	7.94
		For Bituminous Coated Pipe, Add	*2.41*	
		For Bituminous Coated And 25% Paved, Add	*4.92*	
		For Smooth-Flo, Add	*8.79*	
33 42 11 00-0398	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	29.58	8.32
		For Bituminous Coated Pipe, Add	*3.03*	
		For Bituminous Coated And 25% Paved, Add	*6.19*	
		For Smooth-Flo, Add	*11.06*	
33 42 11 00-0399	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	32.84	9.07
		For Bituminous Coated Pipe, Add	*3.67*	
		For Bituminous Coated And 25% Paved, Add	*7.50*	
		For Smooth-Flo, Add	*13.39*	
33 42 11 00-0400	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	37.22	9.82
		For Bituminous Coated Pipe, Add	*4.39*	
		For Bituminous Coated And 25% Paved, Add	*8.97*	
		For Smooth-Flo, Add	*16.02*	
33 42 11 00-0401	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	41.13	10.58
		For Bituminous Coated Pipe, Add	*4.94*	
		For Bituminous Coated And 25% Paved, Add	*10.10*	
		For Smooth-Flo, Add	*18.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0402	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.37	13.60
		For Bituminous Coated Pipe, Add	*6.40*	
		For Bituminous Coated And 25% Paved, Add	*13.10*	
		For Smooth-Flo, Add	*23.39*	
33 42 11 00-0403	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	70.83	17.65
		For Bituminous Coated Pipe, Add	*8.08*	
		For Bituminous Coated And 25% Paved, Add	*16.52*	
		For Smooth-Flo, Add	*29.51*	
33 42 11 00-0404	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	80.35	20.86
		For Bituminous Coated Pipe, Add	*9.56*	
		For Bituminous Coated And 25% Paved, Add	*19.55*	
		For Smooth-Flo, Add	*34.91*	
33 42 11 00-0405	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	90.33	24.08
		For Bituminous Coated Pipe, Add	*10.71*	
		For Bituminous Coated And 25% Paved, Add	*21.90*	
		For Smooth-Flo, Add	*39.11*	
33 42 11 00-0406		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0395)*		
33 42 11 00-0407	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	28.57	7.94
		For Bituminous Coated Pipe, Add	*2.44*	
		For Bituminous Coated And 25% Paved, Add	*5.65*	
		For Smooth-Flo, Add	*11.43*	
33 42 11 00-0408	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	32.22	8.32
		For Bituminous Coated Pipe, Add	*3.06*	
		For Bituminous Coated And 25% Paved, Add	*7.09*	
		For Smooth-Flo, Add	*14.33*	
33 42 11 00-0409	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	36.04	9.07
		For Bituminous Coated Pipe, Add	*3.71*	
		For Bituminous Coated And 25% Paved, Add	*8.59*	
		For Smooth-Flo, Add	*17.36*	
33 42 11 00-0410	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	40.92	9.82
		For Bituminous Coated Pipe, Add	*4.41*	
		For Bituminous Coated And 25% Paved, Add	*10.21*	
		For Smooth-Flo, Add	*20.64*	
33 42 11 00-0411	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	45.42	10.58
		For Bituminous Coated Pipe, Add	*4.99*	
		For Bituminous Coated And 25% Paved, Add	*11.55*	
		For Smooth-Flo, Add	*23.36*	
33 42 11 00-0412	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	59.61	13.60
		For Bituminous Coated Pipe, Add	*6.40*	
		For Bituminous Coated And 25% Paved, Add	*14.84*	
		For Smooth-Flo, Add	*29.99*	
33 42 11 00-0413	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	77.19	17.65
		For Bituminous Coated Pipe, Add	*8.03*	
		For Bituminous Coated And 25% Paved, Add	*18.60*	
		For Smooth-Flo, Add	*37.59*	
33 42 11 00-0414	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	87.64	20.86
		For Bituminous Coated Pipe, Add	*9.45*	
		For Bituminous Coated And 25% Paved, Add	*21.89*	
		For Smooth-Flo, Add	*44.25*	
33 42 11 00-0415	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	98.66	24.08
		For Bituminous Coated Pipe, Add	*10.62*	
		For Bituminous Coated And 25% Paved, Add	*24.60*	
		For Smooth-Flo, Add	*49.73*	
33 42 11 00-0416	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	117.53	27.28
		For Bituminous Coated Pipe, Add	*13.06*	
		For Bituminous Coated And 25% Paved, Add	*30.26*	
		For Smooth-Flo, Add	*61.17*	
33 42 11 00-0417		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0395)*		
33 42 11 00-0418	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.65	9.07
		For Bituminous Coated Pipe, Add	*4.24*	
		For Bituminous Coated And 25% Paved, Add	*7.66*	
		For Smooth-Flo, Add	*14.73*	
33 42 11 00-0419	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.61	9.82
		For Bituminous Coated Pipe, Add	*5.02*	
		For Bituminous Coated And 25% Paved, Add	*9.06*	
		For Smooth-Flo, Add	*17.41*	
33 42 11 00-0420	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.18	9.82
		For Bituminous Coated Pipe, Add	*5.69*	
		For Bituminous Coated And 25% Paved, Add	*10.27*	
		For Smooth-Flo, Add	*19.74*	
33 42 11 00-0421	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	70.45	13.60
		For Bituminous Coated Pipe, Add	*7.23*	
		For Bituminous Coated And 25% Paved, Add	*13.06*	
		For Smooth-Flo, Add	*25.10*	
33 42 11 00-0422	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	90.05	17.65
		For Bituminous Coated Pipe, Add	*8.94*	
		For Bituminous Coated And 25% Paved, Add	*16.15*	
		For Smooth-Flo, Add	*31.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0423	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	102.50	20.86
		For Bituminous Coated Pipe, Add	*10.48*	
		For Bituminous Coated And 25% Paved, Add	*18.92*	
		For Smooth-Flo, Add	*36.37*	
33 42 11 00-0424	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	115.69	24.08
		For Bituminous Coated Pipe, Add	*11.83*	
		For Bituminous Coated And 25% Paved, Add	*21.37*	
		For Smooth-Flo, Add	*41.06*	
33 42 11 00-0425	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	136.32	27.28
		For Bituminous Coated Pipe, Add	*14.19*	
		For Bituminous Coated And 25% Paved, Add	*25.62*	
		For Smooth-Flo, Add	*49.24*	
33 42 11 00-0426	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	149.01	28.89
		For Bituminous Coated Pipe, Add	*15.54*	
		For Bituminous Coated And 25% Paved, Add	*28.06*	
		For Smooth-Flo, Add	*53.92*	
33 42 11 00-0427	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	180.40	35.31
		For Bituminous Coated Pipe, Add	*18.91*	
		For Bituminous Coated And 25% Paved, Add	*34.16*	
		For Smooth-Flo, Add	*65.64*	
33 42 11 00-0428		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0395)*		
33 42 11 00-0429	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	102.08	17.65
		For Bituminous Coated Pipe, Add	*11.37*	
		For Bituminous Coated And 25% Paved, Add	*19.00*	
		For Smooth-Flo, Add	*27.11*	
33 42 11 00-0430	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	116.58	20.86
		For Bituminous Coated Pipe, Add	*13.33*	
		For Bituminous Coated And 25% Paved, Add	*22.26*	
		For Smooth-Flo, Add	*31.76*	
33 42 11 00-0431	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	131.67	24.08
		For Bituminous Coated Pipe, Add	*15.06*	
		For Bituminous Coated And 25% Paved, Add	*25.16*	
		For Smooth-Flo, Add	*35.90*	
33 42 11 00-0432	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	154.22	27.28
		For Bituminous Coated Pipe, Add	*17.84*	
		For Bituminous Coated And 25% Paved, Add	*29.80*	
		For Smooth-Flo, Add	*42.52*	
33 42 11 00-0433	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	168.93	28.89
		For Bituminous Coated Pipe, Add	*19.59*	
		For Bituminous Coated And 25% Paved, Add	*32.73*	
		For Smooth-Flo, Add	*46.69*	
33 42 11 00-0434	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	202.30	35.31
		For Bituminous Coated Pipe, Add	*23.44*	
		For Bituminous Coated And 25% Paved, Add	*39.15*	
		For Smooth-Flo, Add	*55.86*	
33 42 11 00-0435	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	245.11	51.36
		For Bituminous Coated Pipe, Add	*25.16*	
		For Bituminous Coated And 25% Paved, Add	*42.03*	
		For Smooth-Flo, Add	*59.98*	
33 42 11 00-0436		**3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0394)*		
33 42 11 00-0437		**16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0436)*		
33 42 11 00-0438	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	81.86	17.65
		For Bituminous Coated Pipe, Add	*8.88*	
		For Bituminous Coated And 25% Paved, Add	*20.16*	
		For Smooth-Flo, Add	*40.15*	
33 42 11 00-0439	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	93.01	20.86
		For Bituminous Coated Pipe, Add	*10.43*	
		For Bituminous Coated And 25% Paved, Add	*23.68*	
		For Smooth-Flo, Add	*47.14*	
33 42 11 00-0440	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	104.58	24.08
		For Bituminous Coated Pipe, Add	*11.70*	
		For Bituminous Coated And 25% Paved, Add	*26.55*	
		For Smooth-Flo, Add	*52.87*	
33 42 11 00-0441	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	124.32	27.28
		For Bituminous Coated Pipe, Add	*14.29*	
		For Bituminous Coated And 25% Paved, Add	*32.44*	
		For Smooth-Flo, Add	*64.59*	
33 42 11 00-0442	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	135.46	28.89
		For Bituminous Coated Pipe, Add	*15.57*	
		For Bituminous Coated And 25% Paved, Add	*35.34*	
		For Smooth-Flo, Add	*70.37*	
33 42 11 00-0443	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	169.12	35.31
		For Bituminous Coated Pipe, Add	*20.00*	
		For Bituminous Coated And 25% Paved, Add	*45.39*	
		For Smooth-Flo, Add	*90.38*	
33 42 11 00-0444	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	208.71	51.36
		For Bituminous Coated Pipe, Add	*21.31*	
		For Bituminous Coated And 25% Paved, Add	*48.38*	
		For Smooth-Flo, Add	*96.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0445	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	225.54	56.17
		For Bituminous Coated Pipe, Add	*22.64*	
		For Bituminous Coated And 25% Paved, Add	*51.39*	
		For Smooth-Flo, Add	*102.32*	
33 42 11 00-0446	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	240.18	60.18
		For Bituminous Coated Pipe, Add	*23.96*	
		For Bituminous Coated And 25% Paved, Add	*54.39*	
		For Smooth-Flo, Add	*108.30*	
33 42 11 00-0447	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	254.84	64.20
		For Bituminous Coated Pipe, Add	*25.29*	
		For Bituminous Coated And 25% Paved, Add	*57.40*	
		For Smooth-Flo, Add	*114.30*	
33 42 11 00-0448	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	270.04	68.21
		For Bituminous Coated Pipe, Add	*26.61*	
		For Bituminous Coated And 25% Paved, Add	*60.40*	
		For Smooth-Flo, Add	*120.26*	
33 42 11 00-0449	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	287.54	72.22
		For Bituminous Coated Pipe, Add	*27.94*	
		For Bituminous Coated And 25% Paved, Add	*63.42*	
		For Smooth-Flo, Add	*126.29*	
33 42 11 00-0450		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0436)*		
33 42 11 00-0451	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	135.58	27.28
		For Bituminous Coated Pipe, Add	*16.54*	
		For Bituminous Coated And 25% Paved, Add	*32.42*	
		For Smooth-Flo, Add	*65.51*	
33 42 11 00-0452	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	147.91	28.89
		For Bituminous Coated Pipe, Add	*18.06*	
		For Bituminous Coated And 25% Paved, Add	*35.39*	
		For Smooth-Flo, Add	*71.51*	
33 42 11 00-0453	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	182.83	35.31
		For Bituminous Coated Pipe, Add	*22.74*	
		For Bituminous Coated And 25% Paved, Add	*44.57*	
		For Smooth-Flo, Add	*90.04*	
33 42 11 00-0454	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	223.64	51.36
		For Bituminous Coated Pipe, Add	*24.30*	
		For Bituminous Coated And 25% Paved, Add	*47.63*	
		For Smooth-Flo, Add	*96.23*	
33 42 11 00-0455	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	241.66	56.17
		For Bituminous Coated Pipe, Add	*25.86*	
		For Bituminous Coated And 25% Paved, Add	*50.69*	
		For Smooth-Flo, Add	*102.41*	
33 42 11 00-0456	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	257.58	60.18
		For Bituminous Coated Pipe, Add	*27.44*	
		For Bituminous Coated And 25% Paved, Add	*53.78*	
		For Smooth-Flo, Add	*108.66*	
33 42 11 00-0457	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	273.42	64.20
		For Bituminous Coated Pipe, Add	*29.00*	
		For Bituminous Coated And 25% Paved, Add	*56.85*	
		For Smooth-Flo, Add	*114.86*	
33 42 11 00-0458	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	289.84	68.21
		For Bituminous Coated Pipe, Add	*30.57*	
		For Bituminous Coated And 25% Paved, Add	*59.91*	
		For Smooth-Flo, Add	*121.04*	
33 42 11 00-0459	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	308.53	72.22
		For Bituminous Coated Pipe, Add	*32.14*	
		For Bituminous Coated And 25% Paved, Add	*62.99*	
		For Smooth-Flo, Add	*127.27*	
33 42 11 00-0460	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	329.06	80.25
		For Bituminous Coated Pipe, Add	*33.71*	
		For Bituminous Coated And 25% Paved, Add	*66.08*	
		For Smooth-Flo, Add	*133.50*	
33 42 11 00-0461	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	349.12	88.27
		For Bituminous Coated Pipe, Add	*35.25*	
		For Bituminous Coated And 25% Paved, Add	*69.10*	
		For Smooth-Flo, Add	*139.61*	
33 42 11 00-0462		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0436)*		
33 42 11 00-0463	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	175.55	28.89
		For Bituminous Coated Pipe, Add	*23.59*	
		For Bituminous Coated And 25% Paved, Add	*44.93*	
		For Smooth-Flo, Add	*73.23*	
33 42 11 00-0464	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	213.43	35.31
		For Bituminous Coated Pipe, Add	*28.86*	
		For Bituminous Coated And 25% Paved, Add	*54.97*	
		For Smooth-Flo, Add	*89.60*	
33 42 11 00-0465	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	256.92	51.36
		For Bituminous Coated Pipe, Add	*30.96*	
		For Bituminous Coated And 25% Paved, Add	*58.97*	
		For Smooth-Flo, Add	*96.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0466	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	277.64	56.17
		For Bituminous Coated Pipe, Add	*33.06*	
		For Bituminous Coated And 25% Paved, Add	*62.98*	
		For Smooth-Flo, Add	*102.65*	
33 42 11 00-0467	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	296.23	60.18
		For Bituminous Coated Pipe, Add	*35.17*	
		For Bituminous Coated And 25% Paved, Add	*67.00*	
		For Smooth-Flo, Add	*109.20*	
33 42 11 00-0468	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	314.76	64.20
		For Bituminous Coated Pipe, Add	*37.27*	
		For Bituminous Coated And 25% Paved, Add	*71.00*	
		For Smooth-Flo, Add	*115.73*	
33 42 11 00-0469	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	333.90	68.21
		For Bituminous Coated Pipe, Add	*39.38*	
		For Bituminous Coated And 25% Paved, Add	*75.02*	
		For Smooth-Flo, Add	*122.27*	
33 42 11 00-0470	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	355.29	72.22
		For Bituminous Coated Pipe, Add	*41.49*	
		For Bituminous Coated And 25% Paved, Add	*79.04*	
		For Smooth-Flo, Add	*128.83*	
33 42 11 00-0471	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	378.46	80.25
		For Bituminous Coated Pipe, Add	*43.59*	
		For Bituminous Coated And 25% Paved, Add	*83.04*	
		For Smooth-Flo, Add	*135.35*	
33 42 11 00-0472	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	401.25	88.27
		For Bituminous Coated Pipe, Add	*45.68*	
		For Bituminous Coated And 25% Paved, Add	*87.02*	
		For Smooth-Flo, Add	*141.84*	
33 42 11 00-0473	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	423.14	96.30
		For Bituminous Coated Pipe, Add	*47.79*	
		For Bituminous Coated And 25% Paved, Add	*91.04*	
		For Smooth-Flo, Add	*148.39*	
33 42 11 00-0474		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0436)*		
33 42 11 00-0475	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	287.95	51.36
		For Bituminous Coated Pipe, Add	*37.16*	
		For Bituminous Coated And 25% Paved, Add	*70.61*	
		For Smooth-Flo, Add	*94.39*	
33 42 11 00-0476	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	311.21	56.17
		For Bituminous Coated Pipe, Add	*39.77*	
		For Bituminous Coated And 25% Paved, Add	*75.57*	
		For Smooth-Flo, Add	*101.02*	
33 42 11 00-0477	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	332.35	60.18
		For Bituminous Coated Pipe, Add	*42.39*	
		For Bituminous Coated And 25% Paved, Add	*80.55*	
		For Smooth-Flo, Add	*107.68*	
33 42 11 00-0478	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	353.43	64.20
		For Bituminous Coated Pipe, Add	*45.01*	
		For Bituminous Coated And 25% Paved, Add	*85.51*	
		For Smooth-Flo, Add	*114.32*	
33 42 11 00-0479	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	375.12	68.21
		For Bituminous Coated Pipe, Add	*47.62*	
		For Bituminous Coated And 25% Paved, Add	*90.48*	
		For Smooth-Flo, Add	*120.96*	
33 42 11 00-0480	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	399.05	72.22
		For Bituminous Coated Pipe, Add	*50.24*	
		For Bituminous Coated And 25% Paved, Add	*95.46*	
		For Smooth-Flo, Add	*127.61*	
33 42 11 00-0481	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	424.77	80.25
		For Bituminous Coated Pipe, Add	*52.85*	
		For Bituminous Coated And 25% Paved, Add	*100.42*	
		For Smooth-Flo, Add	*134.25*	
33 42 11 00-0482	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	450.08	88.27
		For Bituminous Coated Pipe, Add	*55.45*	
		For Bituminous Coated And 25% Paved, Add	*105.35*	
		For Smooth-Flo, Add	*140.83*	
33 42 11 00-0483	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	474.54	96.30
		For Bituminous Coated Pipe, Add	*58.07*	
		For Bituminous Coated And 25% Paved, Add	*110.34*	
		For Smooth-Flo, Add	*147.50*	
33 42 11 00-0484	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	500.47	104.33
		For Bituminous Coated Pipe, Add	*60.67*	
		For Bituminous Coated And 25% Paved, Add	*115.28*	
		For Smooth-Flo, Add	*154.11*	
33 42 11 00-0485	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	528.45	112.35
		For Bituminous Coated Pipe, Add	*63.29*	
		For Bituminous Coated And 25% Paved, Add	*120.26*	
		For Smooth-Flo, Add	*160.77*	
33 42 11 00-0486	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	558.89	120.38
		For Bituminous Coated Pipe, Add	*65.92*	
		For Bituminous Coated And 25% Paved, Add	*125.25*	
		For Smooth-Flo, Add	*167.44*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0487		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0394)*		
33 42 11 00-0488		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0487)*		
33 42 11 00-0489	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	104.91	24.08
		For Bituminous Coated Pipe, Add	*14.71*	
		For Bituminous Coated And 25% Paved, Add	*33.53*	
		For Smooth-Flo, Add	*53.23*	
33 42 11 00-0490	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	124.94	27.28
		For Bituminous Coated Pipe, Add	*18.02*	
		For Bituminous Coated And 25% Paved, Add	*41.08*	
		For Smooth-Flo, Add	*65.22*	
33 42 11 00-0491	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	136.01	28.89
		For Bituminous Coated Pipe, Add	*19.60*	
		For Bituminous Coated And 25% Paved, Add	*44.68*	
		For Smooth-Flo, Add	*70.94*	
33 42 11 00-0492	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	167.82	35.31
		For Bituminous Coated Pipe, Add	*24.67*	
		For Bituminous Coated And 25% Paved, Add	*56.25*	
		For Smooth-Flo, Add	*89.31*	
33 42 11 00-0493	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	207.26	51.36
		For Bituminous Coated Pipe, Add	*26.28*	
		For Bituminous Coated And 25% Paved, Add	*59.92*	
		For Smooth-Flo, Add	*95.13*	
33 42 11 00-0494	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	223.89	56.17
		For Bituminous Coated Pipe, Add	*27.89*	
		For Bituminous Coated And 25% Paved, Add	*63.58*	
		For Smooth-Flo, Add	*100.94*	
33 42 11 00-0495	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	238.31	60.18
		For Bituminous Coated Pipe, Add	*29.48*	
		For Bituminous Coated And 25% Paved, Add	*67.22*	
		For Smooth-Flo, Add	*106.73*	
33 42 11 00-0496	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	252.70	64.20
		For Bituminous Coated Pipe, Add	*31.08*	
		For Bituminous Coated And 25% Paved, Add	*70.85*	
		For Smooth-Flo, Add	*112.49*	
33 42 11 00-0497	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	267.77	68.21
		For Bituminous Coated Pipe, Add	*32.69*	
		For Bituminous Coated And 25% Paved, Add	*74.53*	
		For Smooth-Flo, Add	*118.34*	
33 42 11 00-0498	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	285.22	72.22
		For Bituminous Coated Pipe, Add	*34.35*	
		For Bituminous Coated And 25% Paved, Add	*78.31*	
		For Smooth-Flo, Add	*124.33*	
33 42 11 00-0499		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0487)*		
33 42 11 00-0500	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	139.02	27.28
		For Bituminous Coated Pipe, Add	*17.23*	
		For Bituminous Coated And 25% Paved, Add	*40.49*	
		For Smooth-Flo, Add	*73.31*	
33 42 11 00-0501	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	151.66	28.89
		For Bituminous Coated Pipe, Add	*18.81*	
		For Bituminous Coated And 25% Paved, Add	*44.20*	
		For Smooth-Flo, Add	*80.03*	
33 42 11 00-0502	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	184.90	35.31
		For Bituminous Coated Pipe, Add	*23.15*	
		For Bituminous Coated And 25% Paved, Add	*54.41*	
		For Smooth-Flo, Add	*98.51*	
33 42 11 00-0503	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	225.71	51.36
		For Bituminous Coated Pipe, Add	*24.71*	
		For Bituminous Coated And 25% Paved, Add	*58.08*	
		For Smooth-Flo, Add	*105.16*	
33 42 11 00-0504	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	244.01	56.17
		For Bituminous Coated Pipe, Add	*26.33*	
		For Bituminous Coated And 25% Paved, Add	*61.88*	
		For Smooth-Flo, Add	*112.04*	
33 42 11 00-0505	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	260.00	60.18
		For Bituminous Coated Pipe, Add	*27.92*	
		For Bituminous Coated And 25% Paved, Add	*65.62*	
		For Smooth-Flo, Add	*118.82*	
33 42 11 00-0506	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	275.16	64.20
		For Bituminous Coated Pipe, Add	*29.35*	
		For Bituminous Coated And 25% Paved, Add	*68.98*	
		For Smooth-Flo, Add	*124.89*	
33 42 11 00-0507	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	292.51	68.21
		For Bituminous Coated Pipe, Add	*31.10*	
		For Bituminous Coated And 25% Paved, Add	*73.09*	
		For Smooth-Flo, Add	*132.33*	
33 42 11 00-0508	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	311.28	72.22
		For Bituminous Coated Pipe, Add	*32.69*	
		For Bituminous Coated And 25% Paved, Add	*76.82*	
		For Smooth-Flo, Add	*139.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0509	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	331.80	80.25
		For Bituminous Coated Pipe, Add	*34.26*	
		For Bituminous Coated And 25% Paved, Add	*80.51*	
		For Smooth-Flo, Add	*145.78*	
33 42 11 00-0510	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	352.22	88.27
		For Bituminous Coated Pipe, Add	*35.87*	
		For Bituminous Coated And 25% Paved, Add	*84.30*	
		For Smooth-Flo, Add	*152.64*	

33 42 11 00-0511 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0487)*

33 42 11 00-0512	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	180.97	28.89
		For Bituminous Coated Pipe, Add	*24.67*	
		For Bituminous Coated And 25% Paved, Add	*46.87*	
		For Smooth-Flo, Add	*84.62*	
33 42 11 00-0513	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	217.18	35.31
		For Bituminous Coated Pipe, Add	*29.61*	
		For Bituminous Coated And 25% Paved, Add	*56.26*	
		For Smooth-Flo, Add	*101.56*	
33 42 11 00-0514	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	261.06	51.36
		For Bituminous Coated Pipe, Add	*31.78*	
		For Bituminous Coated And 25% Paved, Add	*60.39*	
		For Smooth-Flo, Add	*109.02*	
33 42 11 00-0515	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	282.08	56.17
		For Bituminous Coated Pipe, Add	*33.95*	
		For Bituminous Coated And 25% Paved, Add	*64.50*	
		For Smooth-Flo, Add	*116.43*	
33 42 11 00-0516	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	300.82	60.18
		For Bituminous Coated Pipe, Add	*36.09*	
		For Bituminous Coated And 25% Paved, Add	*68.57*	
		For Smooth-Flo, Add	*123.78*	
33 42 11 00-0517	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	319.70	64.20
		For Bituminous Coated Pipe, Add	*38.26*	
		For Bituminous Coated And 25% Paved, Add	*72.69*	
		For Smooth-Flo, Add	*131.23*	
33 42 11 00-0518	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	339.09	68.21
		For Bituminous Coated Pipe, Add	*40.42*	
		For Bituminous Coated And 25% Paved, Add	*76.79*	
		For Smooth-Flo, Add	*138.63*	
33 42 11 00-0519	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	360.68	72.22
		For Bituminous Coated Pipe, Add	*42.57*	
		For Bituminous Coated And 25% Paved, Add	*80.88*	
		For Smooth-Flo, Add	*146.01*	
33 42 11 00-0520	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	384.20	80.25
		For Bituminous Coated Pipe, Add	*44.74*	
		For Bituminous Coated And 25% Paved, Add	*85.01*	
		For Smooth-Flo, Add	*153.46*	
33 42 11 00-0521	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	407.34	88.27
		For Bituminous Coated Pipe, Add	*46.90*	
		For Bituminous Coated And 25% Paved, Add	*89.11*	
		For Smooth-Flo, Add	*160.86*	
33 42 11 00-0522	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	429.45	96.30
		For Bituminous Coated Pipe, Add	*49.05*	
		For Bituminous Coated And 25% Paved, Add	*93.20*	
		For Smooth-Flo, Add	*168.26*	

33 42 11 00-0523 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0487)*

33 42 11 00-0524	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	294.91	51.36
		For Bituminous Coated Pipe, Add	*38.55*	
		For Bituminous Coated And 25% Paved, Add	*73.25*	
		For Smooth-Flo, Add	*115.08*	
33 42 11 00-0525	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	319.08	56.17
		For Bituminous Coated Pipe, Add	*41.35*	
		For Bituminous Coated And 25% Paved, Add	*78.56*	
		For Smooth-Flo, Add	*123.42*	
33 42 11 00-0526	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	340.76	60.18
		For Bituminous Coated Pipe, Add	*44.08*	
		For Bituminous Coated And 25% Paved, Add	*83.74*	
		For Smooth-Flo, Add	*131.57*	
33 42 11 00-0527	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	362.31	64.20
		For Bituminous Coated Pipe, Add	*46.78*	
		For Bituminous Coated And 25% Paved, Add	*88.89*	
		For Smooth-Flo, Add	*139.64*	
33 42 11 00-0528	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	384.60	68.21
		For Bituminous Coated Pipe, Add	*49.52*	
		For Bituminous Coated And 25% Paved, Add	*94.08*	
		For Smooth-Flo, Add	*147.81*	
33 42 11 00-0529	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	408.99	72.22
		For Bituminous Coated Pipe, Add	*52.23*	
		For Bituminous Coated And 25% Paved, Add	*99.24*	
		For Smooth-Flo, Add	*155.91*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0530	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	435.30	80.25
		For Bituminous Coated Pipe, Add	*54.96*	
		For Bituminous Coated And 25% Paved, Add	*104.42*	
		For Smooth-Flo, Add	*164.06*	
33 42 11 00-0531	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	461.28	88.27
		For Bituminous Coated Pipe, Add	*57.69*	
		For Bituminous Coated And 25% Paved, Add	*109.60*	
		For Smooth-Flo, Add	*172.19*	
33 42 11 00-0532	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	486.17	96.30
		For Bituminous Coated Pipe, Add	*60.40*	
		For Bituminous Coated And 25% Paved, Add	*114.76*	
		For Smooth-Flo, Add	*180.29*	
33 42 11 00-0533	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	517.00	104.33
		For Bituminous Coated Pipe, Add	*63.98*	
		For Bituminous Coated And 25% Paved, Add	*121.56*	
		For Smooth-Flo, Add	*190.97*	
33 42 11 00-0534	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	546.62	112.35
		For Bituminous Coated Pipe, Add	*66.93*	
		For Bituminous Coated And 25% Paved, Add	*127.16*	
		For Smooth-Flo, Add	*199.78*	
33 42 11 00-0535	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	579.26	120.38
		For Bituminous Coated Pipe, Add	*69.99*	
		For Bituminous Coated And 25% Paved, Add	*132.99*	
		For Smooth-Flo, Add	*208.93*	

33 42 11 00-0536 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0394)*

33 42 11 00-0537 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0536)*

33 42 11 00-0538	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	37.14	9.07
		For Bituminous Coated Pipe, Add	*4.53*	
33 42 11 00-0539	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	42.27	9.82
		For Bituminous Coated Pipe, Add	*5.40*	
33 42 11 00-0540	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	47.04	10.58
		For Bituminous Coated Pipe, Add	*6.13*	
33 42 11 00-0541	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	61.81	13.60
		For Bituminous Coated Pipe, Add	*7.90*	
33 42 11 00-0542	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	79.94	17.65
		For Bituminous Coated Pipe, Add	*9.90*	
33 42 11 00-0543	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	90.96	20.86
		For Bituminous Coated Pipe, Add	*11.67*	
33 42 11 00-0544	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	102.48	24.08
		For Bituminous Coated Pipe, Add	*13.14*	
33 42 11 00-0545	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	121.95	27.28
		For Bituminous Coated Pipe, Add	*16.10*	
33 42 11 00-0546	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	133.04	28.89
		For Bituminous Coated Pipe, Add	*17.57*	

33 42 11 00-0547 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0536)*

33 42 11 00-0548	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	40.38	9.07
		For Bituminous Coated Pipe, Add	*5.24*	
33 42 11 00-0549	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	46.06	9.82
		For Bituminous Coated Pipe, Add	*6.23*	
33 42 11 00-0550	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	51.36	10.58
		For Bituminous Coated Pipe, Add	*7.08*	
33 42 11 00-0551	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	67.18	13.60
		For Bituminous Coated Pipe, Add	*9.07*	
33 42 11 00-0552	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	86.40	17.65
		For Bituminous Coated Pipe, Add	*11.31*	
33 42 11 00-0553	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	98.53	20.86
		For Bituminous Coated Pipe, Add	*13.32*	
33 42 11 00-0554	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	111.12	24.08
		For Bituminous Coated Pipe, Add	*15.02*	
33 42 11 00-0555	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	131.66	27.28
		For Bituminous Coated Pipe, Add	*18.20*	
33 42 11 00-0556	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	143.85	28.89
		For Bituminous Coated Pipe, Add	*19.92*	
33 42 11 00-0557	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	176.26	35.31
		For Bituminous Coated Pipe, Add	*24.74*	
33 42 11 00-0558	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	216.60	51.36
		For Bituminous Coated Pipe, Add	*26.44*	
33 42 11 00-0559	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	234.27	56.17
		For Bituminous Coated Pipe, Add	*28.16*	

33 42 11 00-0560 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0536)*

33 42 11 00-0561	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	78.06	13.60
		For Bituminous Coated Pipe, Add	*9.48*	
33 42 11 00-0562	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	99.41	17.65
		For Bituminous Coated Pipe, Add	*11.71*	
33 42 11 00-0563	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	113.75	20.86
		For Bituminous Coated Pipe, Add	*13.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0564	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	128.50	24.08
		For Bituminous Coated Pipe, Add	*15.58*	
33 42 11 00-0565	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	151.23	27.28
		For Bituminous Coated Pipe, Add	*18.59*	
33 42 11 00-0566	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	165.61	28.89
		For Bituminous Coated Pipe, Add	*20.41*	
33 42 11 00-0567	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	200.15	35.31
		For Bituminous Coated Pipe, Add	*24.76*	
33 42 11 00-0568	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	242.64	51.36
		For Bituminous Coated Pipe, Add	*26.55*	
33 42 11 00-0569	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	262.46	56.17
		For Bituminous Coated Pipe, Add	*28.37*	
33 42 11 00-0570	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	280.05	60.18
		For Bituminous Coated Pipe, Add	*30.18*	
33 42 11 00-0571	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	297.61	64.20
		For Bituminous Coated Pipe, Add	*31.98*	
33 42 11 00-0572	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	315.75	68.21
		For Bituminous Coated Pipe, Add	*33.78*	
33 42 11 00-0573	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	335.07	72.22
		For Bituminous Coated Pipe, Add	*35.39*	

33 42 11 00-0574 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0394)*

33 42 11 00-0575 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0574)*

33 42 11 00-0576	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.80	4.53
		For Bituminous Coated Pipe, Add	*1.16*	
33 42 11 00-0577	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.76	4.53
		For Bituminous Coated Pipe, Add	*1.39*	
33 42 11 00-0578	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.24	5.67
		For Bituminous Coated Pipe, Add	*1.53*	
33 42 11 00-0579	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.47	5.67
		For Bituminous Coated Pipe, Add	*1.83*	
33 42 11 00-0580	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.81	6.80
		For Bituminous Coated Pipe, Add	*1.93*	
33 42 11 00-0581	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.36	6.80
		For Bituminous Coated Pipe, Add	*2.31*	

33 42 11 00-0582 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0574)*

33 42 11 00-0583	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.93	4.53
		For Bituminous Coated Pipe, Add	*1.14*	
33 42 11 00-0584	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.87	4.53
		For Bituminous Coated Pipe, Add	*1.36*	
33 42 11 00-0585	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.38	5.67
		For Bituminous Coated Pipe, Add	*1.50*	
33 42 11 00-0586	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.68	5.67
		For Bituminous Coated Pipe, Add	*1.81*	
33 42 11 00-0587	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.04	6.80
		For Bituminous Coated Pipe, Add	*1.90*	
33 42 11 00-0588	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.63	6.80
		For Bituminous Coated Pipe, Add	*2.27*	

33 42 11 00-0589 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0574)*

33 42 11 00-0590	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	7.15	
		For Bituminous Coated Pipe, Add	*1.61*	
33 42 11 00-0591	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	9.47	
		For Bituminous Coated Pipe, Add	*2.13*	
33 42 11 00-0592	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	11.61	
		For Bituminous Coated Pipe, Add	*2.61*	
33 42 11 00-0593	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	25.79	
		For Bituminous Coated Pipe, Add	*3.56*	
33 42 11 00-0594	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.53	
		For Bituminous Coated Pipe, Add	*0.81*	
33 42 11 00-0595	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	8.12	
		For Bituminous Coated Pipe, Add	*1.22*	

33 42 11 00-0596 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0394)*

33 42 11 00-0597 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0596)*

33 42 11 00-0598	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	40.62	7.94
33 42 11 00-0599	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	47.47	8.32
33 42 11 00-0600	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	54.54	9.07
33 42 11 00-0601	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	63.15	9.82
33 42 11 00-0602	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	70.34	10.58
33 42 11 00-0603	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	92.21	13.60
33 42 11 00-0604	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	118.61	17.65
33 42 11 00-0605	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	136.88	20.86
33 42 11 00-0606	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	153.65	24.08

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0607		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0596)*		
33 42 11 00-0608	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	45.84	7.94
33 42 11 00-0609	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	53.94	8.32
33 42 11 00-0610	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	62.29	9.07
33 42 11 00-0611	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	72.12	9.82
33 42 11 00-0612	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	80.76	10.58
33 42 11 00-0613	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	105.01	13.60
33 42 11 00-0614	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	134.06	17.65
33 42 11 00-0615	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	154.60	20.86
33 42 11 00-0616	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	173.89	24.08
33 42 11 00-0617	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	210.05	27.28
33 42 11 00-0618		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0596)*		
33 42 11 00-0619	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	78.44	9.07
33 42 11 00-0620	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	90.99	9.82
33 42 11 00-0621	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	102.21	10.58
33 42 11 00-0622	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	131.80	13.60
33 42 11 00-0623	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	159.64	17.65
33 42 11 00-0624	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	192.08	20.86
33 42 11 00-0625	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	216.65	24.08
33 42 11 00-0626	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.85	27.28
33 42 11 00-0627	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	282.84	28.89
33 42 11 00-0628	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	346.15	35.31
33 42 11 00-0629		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0596)*		
33 42 11 00-0630	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	195.58	17.65
33 42 11 00-0631	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	226.22	20.86
33 42 11 00-0632	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	255.43	24.08
33 42 11 00-0633	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	302.29	27.28
33 42 11 00-0634	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	331.20	28.89
33 42 11 00-0635	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	399.27	35.31
33 42 11 00-0636	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	456.08	51.36
33 42 11 00-0637		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0394)*		
33 42 11 00-0638		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0637)*		
33 42 11 00-0639	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	148.27	17.65
33 42 11 00-0640	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	171.07	20.86
33 42 11 00-0641	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	191.99	24.08
33 42 11 00-0642	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	231.86	27.28
33 42 11 00-0643	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	252.47	28.89
33 42 11 00-0644	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	320.73	35.31
33 42 11 00-0645	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	370.11	51.36
33 42 11 00-0646	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	396.69	56.17
33 42 11 00-0647	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	421.14	60.18
33 42 11 00-0648	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	445.61	64.20
33 42 11 00-0649	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	470.59	68.21
33 42 11 00-0650	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	497.93	72.22
33 42 11 00-0651		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0637)*		
33 42 11 00-0652	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	259.79	27.28
33 42 11 00-0653	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	283.34	28.89
33 42 11 00-0654	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	354.74	35.31
33 42 11 00-0655	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	407.09	51.36
33 42 11 00-0656	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	436.69	56.17
33 42 11 00-0657	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	464.28	60.18
33 42 11 00-0658	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	491.68	64.20
33 42 11 00-0659	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	519.66	68.21
33 42 11 00-0660	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	550.04	72.22
33 42 11 00-0661	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	582.18	80.25
33 42 11 00-0662	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	613.65	88.27
33 42 11 00-0663		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0637)*		
33 42 11 00-0664	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	353.57	28.89
33 42 11 00-0665	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	432.87	35.31
33 42 11 00-0666	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	492.00	51.36
33 42 11 00-0667	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	528.41	56.17
33 42 11 00-0668	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	562.77	60.18
33 42 11 00-0669	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	596.98	64.20
33 42 11 00-0670	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	631.83	68.21
33 42 11 00-0671	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	668.98	72.22
33 42 11 00-0672	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	707.83	80.25

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0673	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	746.21	88.27
33 42 11 00-0674	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	783.87	96.30
33 42 11 00-0675		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0637)*		
33 42 11 00-0676	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	569.36	51.36
33 42 11 00-0677	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	612.07	56.17
33 42 11 00-0678	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	652.79	60.18
33 42 11 00-0679	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	693.34	64.20
33 42 11 00-0680	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	734.55	68.21
33 42 11 00-0681	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	778.04	72.22
33 42 11 00-0682	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	823.26	80.25
33 42 11 00-0683	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	867.95	88.27
33 42 11 00-0684	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	911.96	96.30
33 42 11 00-0685	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	957.33	104.33
33 42 11 00-0686	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,004.87	112.35
33 42 11 00-0687	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,054.88	120.38
33 42 11 00-0688		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0394)*		
33 42 11 00-0689		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0688)*		
33 42 11 00-0690	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	185.97	24.08
33 42 11 00-0691	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	225.23	27.28
33 42 11 00-0692	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	244.88	28.89
33 42 11 00-0693	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	306.62	35.31
33 42 11 00-0694	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	354.84	51.36
33 42 11 00-0695	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	380.22	56.17
33 42 11 00-0696	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	403.31	60.18
33 42 11 00-0697	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	426.34	64.20
33 42 11 00-0698	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	450.19	68.21
33 42 11 00-0699	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	476.69	72.22
33 42 11 00-0700		**14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0688)*		
33 42 11 00-0701	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	258.40	27.28
33 42 11 00-0702	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	281.82	28.89
33 42 11 00-0703	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	346.92	35.31
33 42 11 00-0704	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	398.39	51.36
33 42 11 00-0705	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	427.69	56.17
33 42 11 00-0706	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	454.48	60.18
33 42 11 00-0707	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	479.37	64.20
33 42 11 00-0708	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	508.59	68.21
33 42 11 00-0709	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	538.18	72.22
33 42 11 00-0710	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	569.38	80.25
33 42 11 00-0711	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	600.76	88.27
33 42 11 00-0712		**12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0688)*		
33 42 11 00-0713	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	355.88	28.89
33 42 11 00-0714	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	428.85	35.31
33 42 11 00-0715	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	488.05	51.36
33 42 11 00-0716	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	524.17	56.17
33 42 11 00-0717	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	557.90	60.18
33 42 11 00-0718	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	592.03	64.20
33 42 11 00-0719	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	626.55	68.21
33 42 11 00-0720	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	663.18	72.22
33 42 11 00-0721	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	701.94	80.25
33 42 11 00-0722	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	740.19	88.27
33 42 11 00-0723	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	777.40	96.30
33 42 11 00-0724		**10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0688)*		
33 42 11 00-0725	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	569.33	51.36
33 42 11 00-0726	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	613.01	56.17
33 42 11 00-0727	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	653.86	60.18
33 42 11 00-0728	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	694.38	64.20
33 42 11 00-0729	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	735.78	68.21
33 42 11 00-0730	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	779.21	72.22
33 42 11 00-0731	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	824.62	80.25
33 42 11 00-0732	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	869.69	88.27
33 42 11 00-0733	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	913.61	96.30
33 42 11 00-0734	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	969.50	104.33
33 42 11 00-0735	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,019.82	112.35
33 42 11 00-0736	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,073.93	120.38

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0737		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0393)*		
33 42 11 00-0738		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0737)*		
33 42 11 00-0739		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0738)*		
33 42 11 00-0740	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	30.30	8.32
		For Bituminous Coated Pipe, Add	*3.29*	
		For Bituminous Coated And 25% Paved, Add	*7.96*	
		For Smooth-Flo, Add	*13.14*	
33 42 11 00-0741	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	33.49	9.07
		For Bituminous Coated Pipe, Add	*3.93*	
		For Bituminous Coated And 25% Paved, Add	*9.51*	
		For Smooth-Flo, Add	*15.69*	
33 42 11 00-0742	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	38.12	9.82
		For Bituminous Coated Pipe, Add	*4.74*	
		For Bituminous Coated And 25% Paved, Add	*11.45*	
		For Smooth-Flo, Add	*18.89*	
33 42 11 00-0743	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	42.65	10.58
		For Bituminous Coated Pipe, Add	*5.46*	
		For Bituminous Coated And 25% Paved, Add	*13.20*	
		For Smooth-Flo, Add	*21.77*	
33 42 11 00-0744	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.74	13.60
		For Bituminous Coated Pipe, Add	*6.93*	
		For Bituminous Coated And 25% Paved, Add	*16.75*	
		For Smooth-Flo, Add	*27.64*	
33 42 11 00-0745	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.35	17.65
		For Bituminous Coated Pipe, Add	*8.94*	
		For Bituminous Coated And 25% Paved, Add	*21.61*	
		For Smooth-Flo, Add	*35.65*	
33 42 11 00-0746		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0738)*		
33 42 11 00-0747	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	32.97	8.32
		For Bituminous Coated Pipe, Add	*3.42*	
		For Bituminous Coated And 25% Paved, Add	*8.00*	
		For Smooth-Flo, Add	*13.12*	
33 42 11 00-0748	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	36.76	9.07
		For Bituminous Coated Pipe, Add	*4.10*	
		For Bituminous Coated And 25% Paved, Add	*9.59*	
		For Smooth-Flo, Add	*15.73*	
33 42 11 00-0749	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	41.77	9.82
		For Bituminous Coated Pipe, Add	*4.87*	
		For Bituminous Coated And 25% Paved, Add	*11.40*	
		For Smooth-Flo, Add	*18.70*	
33 42 11 00-0750	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	46.87	10.58
		For Bituminous Coated Pipe, Add	*5.62*	
		For Bituminous Coated And 25% Paved, Add	*13.15*	
		For Smooth-Flo, Add	*21.57*	
33 42 11 00-0751	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	61.01	13.60
		For Bituminous Coated Pipe, Add	*7.12*	
		For Bituminous Coated And 25% Paved, Add	*16.65*	
		For Smooth-Flo, Add	*27.31*	
33 42 11 00-0752	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.61	17.65
		For Bituminous Coated Pipe, Add	*9.06*	
		For Bituminous Coated And 25% Paved, Add	*21.21*	
		For Smooth-Flo, Add	*34.78*	
33 42 11 00-0753	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.09	20.86
		For Bituminous Coated Pipe, Add	*10.80*	
		For Bituminous Coated And 25% Paved, Add	*25.27*	
		For Smooth-Flo, Add	*41.44*	
33 42 11 00-0754		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0738)*		
33 42 11 00-0755	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	47.56	9.63
		For Bituminous Coated Pipe, Add	*4.44*	
		For Bituminous Coated And 25% Paved, Add	*9.87*	
		For Smooth-Flo, Add	*15.18*	
33 42 11 00-0756	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	54.07	10.44
		For Bituminous Coated Pipe, Add	*5.26*	
		For Bituminous Coated And 25% Paved, Add	*11.71*	
		For Smooth-Flo, Add	*18.00*	
33 42 11 00-0757	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	60.55	11.23
		For Bituminous Coated Pipe, Add	*6.03*	
		For Bituminous Coated And 25% Paved, Add	*13.42*	
		For Smooth-Flo, Add	*20.64*	
33 42 11 00-0758	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	78.48	14.45
		For Bituminous Coated Pipe, Add	*7.60*	
		For Bituminous Coated And 25% Paved, Add	*16.91*	
		For Smooth-Flo, Add	*25.99*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0759	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	92.40	17.65
		For Bituminous Coated Pipe, Add	*9.51*	
		For Bituminous Coated And 25% Paved, Add	*21.16*	
		For Smooth-Flo, Add	*32.53*	
33 42 11 00-0760	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	105.84	20.86
		For Bituminous Coated Pipe, Add	*11.24*	
		For Bituminous Coated And 25% Paved, Add	*25.02*	
		For Smooth-Flo, Add	*38.47*	
33 42 11 00-0761	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	123.15	24.08
		For Bituminous Coated Pipe, Add	*13.33*	
		For Bituminous Coated And 25% Paved, Add	*29.67*	
		For Smooth-Flo, Add	*45.62*	
33 42 11 00-0762	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	137.97	27.28
		For Bituminous Coated Pipe, Add	*14.72*	
		For Bituminous Coated And 25% Paved, Add	*32.76*	
		For Smooth-Flo, Add	*50.38*	
33 42 11 00-0763		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0738)*		
33 42 11 00-0764	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.43	17.65
		For Bituminous Coated Pipe, Add	*11.45*	
		For Bituminous Coated And 25% Paved, Add	*24.11*	
		For Smooth-Flo, Add	*30.41*	
33 42 11 00-0765	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	119.87	20.86
		For Bituminous Coated Pipe, Add	*13.51*	
		For Bituminous Coated And 25% Paved, Add	*28.44*	
		For Smooth-Flo, Add	*35.87*	
33 42 11 00-0766	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	139.06	24.08
		For Bituminous Coated Pipe, Add	*15.90*	
		For Bituminous Coated And 25% Paved, Add	*33.47*	
		For Smooth-Flo, Add	*42.21*	
33 42 11 00-0767	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	155.95	27.28
		For Bituminous Coated Pipe, Add	*17.63*	
		For Bituminous Coated And 25% Paved, Add	*37.11*	
		For Smooth-Flo, Add	*46.80*	
33 42 11 00-0768	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	170.78	28.89
		For Bituminous Coated Pipe, Add	*19.35*	
		For Bituminous Coated And 25% Paved, Add	*40.74*	
		For Smooth-Flo, Add	*51.37*	
33 42 11 00-0769		**3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0737)*		
33 42 11 00-0770		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0769)*		
33 42 11 00-0771	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	137.80	27.28
		For Bituminous Coated Pipe, Add	*16.99*	
		For Bituminous Coated And 25% Paved, Add	*51.64*	
		For Smooth-Flo, Add	*57.75*	
33 42 11 00-0772	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	150.56	28.89
		For Bituminous Coated Pipe, Add	*18.59*	
		For Bituminous Coated And 25% Paved, Add	*56.51*	
		For Smooth-Flo, Add	*63.20*	
33 42 11 00-0773	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	185.87	35.31
		For Bituminous Coated Pipe, Add	*23.35*	
		For Bituminous Coated And 25% Paved, Add	*70.97*	
		For Smooth-Flo, Add	*79.38*	
33 42 11 00-0774	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	227.28	51.36
		For Bituminous Coated Pipe, Add	*25.03*	
		For Bituminous Coated And 25% Paved, Add	*76.09*	
		For Smooth-Flo, Add	*85.10*	
33 42 11 00-0775	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	246.33	56.17
		For Bituminous Coated Pipe, Add	*26.80*	
		For Bituminous Coated And 25% Paved, Add	*81.46*	
		For Smooth-Flo, Add	*91.11*	
33 42 11 00-0776	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.25	60.18
		For Bituminous Coated Pipe, Add	*28.57*	
		For Bituminous Coated And 25% Paved, Add	*86.86*	
		For Smooth-Flo, Add	*97.15*	
33 42 11 00-0777	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	280.11	64.20
		For Bituminous Coated Pipe, Add	*30.34*	
		For Bituminous Coated And 25% Paved, Add	*92.24*	
		For Smooth-Flo, Add	*103.16*	
33 42 11 00-0778	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	297.53	68.21
		For Bituminous Coated Pipe, Add	*32.10*	
		For Bituminous Coated And 25% Paved, Add	*97.60*	
		For Smooth-Flo, Add	*109.15*	
33 42 11 00-0779		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0769)*		
33 42 11 00-0780	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	178.22	28.89
		For Bituminous Coated Pipe, Add	*24.12*	
		For Bituminous Coated And 25% Paved, Add	*63.19*	
		For Smooth-Flo, Add	*74.77*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0781	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	216.55	35.31
		For Bituminous Coated Pipe, Add	*29.48*	
		For Bituminous Coated And 25% Paved, Add	*77.24*	
		For Smooth-Flo, Add	*91.39*	
33 42 11 00-0782	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	260.69	51.36
		For Bituminous Coated Pipe, Add	*31.71*	
		For Bituminous Coated And 25% Paved, Add	*83.08*	
		For Smooth-Flo, Add	*98.30*	
33 42 11 00-0783	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	282.43	56.17
		For Bituminous Coated Pipe, Add	*34.02*	
		For Bituminous Coated And 25% Paved, Add	*89.12*	
		For Smooth-Flo, Add	*105.45*	
33 42 11 00-0784	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	302.04	60.18
		For Bituminous Coated Pipe, Add	*36.33*	
		For Bituminous Coated And 25% Paved, Add	*95.19*	
		For Smooth-Flo, Add	*112.63*	
33 42 11 00-0785	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	321.62	64.20
		For Bituminous Coated Pipe, Add	*38.64*	
		For Bituminous Coated And 25% Paved, Add	*101.25*	
		For Smooth-Flo, Add	*119.80*	
33 42 11 00-0786	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	341.74	68.21
		For Bituminous Coated Pipe, Add	*40.95*	
		For Bituminous Coated And 25% Paved, Add	*107.28*	
		For Smooth-Flo, Add	*126.93*	
33 42 11 00-0787	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	364.20	72.22
		For Bituminous Coated Pipe, Add	*43.27*	
		For Bituminous Coated And 25% Paved, Add	*113.37*	
		For Smooth-Flo, Add	*134.14*	
33 42 11 00-0788	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	388.42	80.25
		For Bituminous Coated Pipe, Add	*45.58*	
		For Bituminous Coated And 25% Paved, Add	*119.43*	
		For Smooth-Flo, Add	*141.31*	
33 42 11 00-0789	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	413.48	88.27
		For Bituminous Coated Pipe, Add	*48.13*	
		For Bituminous Coated And 25% Paved, Add	*126.09*	
		For Smooth-Flo, Add	*149.19*	
33 42 11 00-0790		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0769)*		
33 42 11 00-0791	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	291.72	51.36
		For Bituminous Coated Pipe, Add	*37.92*	
		For Bituminous Coated And 25% Paved, Add	*90.24*	
		For Smooth-Flo, Add	*98.01*	
33 42 11 00-0792	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	316.03	56.17
		For Bituminous Coated Pipe, Add	*40.74*	
		For Bituminous Coated And 25% Paved, Add	*96.95*	
		For Smooth-Flo, Add	*105.30*	
33 42 11 00-0793	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	338.19	60.18
		For Bituminous Coated Pipe, Add	*43.56*	
		For Bituminous Coated And 25% Paved, Add	*103.68*	
		For Smooth-Flo, Add	*112.61*	
33 42 11 00-0794	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	360.27	64.20
		For Bituminous Coated Pipe, Add	*46.37*	
		For Bituminous Coated And 25% Paved, Add	*110.37*	
		For Smooth-Flo, Add	*119.88*	
33 42 11 00-0795	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	382.96	68.21
		For Bituminous Coated Pipe, Add	*49.19*	
		For Bituminous Coated And 25% Paved, Add	*117.07*	
		For Smooth-Flo, Add	*127.16*	
33 42 11 00-0796	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	407.94	72.22
		For Bituminous Coated Pipe, Add	*52.02*	
		For Bituminous Coated And 25% Paved, Add	*123.81*	
		For Smooth-Flo, Add	*134.47*	
33 42 11 00-0797	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	434.70	80.25
		For Bituminous Coated Pipe, Add	*54.84*	
		For Bituminous Coated And 25% Paved, Add	*130.52*	
		For Smooth-Flo, Add	*141.76*	
33 42 11 00-0798	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	462.11	88.27
		For Bituminous Coated Pipe, Add	*57.85*	
		For Bituminous Coated And 25% Paved, Add	*137.69*	
		For Smooth-Flo, Add	*149.55*	
33 42 11 00-0799	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	491.51	96.30
		For Bituminous Coated Pipe, Add	*61.47*	
		For Bituminous Coated And 25% Paved, Add	*146.29*	
		For Smooth-Flo, Add	*158.89*	
33 42 11 00-0800		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0737)*		
33 42 11 00-0801		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0800)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0802	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.73	51.36
		For Bituminous Coated Pipe, Add	*32.32*	
		For Bituminous Coated And 25% Paved, Add	*78.86*	
		For Smooth-Flo, Add	*100.35*	
33 42 11 00-0803	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	285.18	56.17
		For Bituminous Coated Pipe, Add	*34.57*	
		For Bituminous Coated And 25% Paved, Add	*84.34*	
		For Smooth-Flo, Add	*107.33*	
33 42 11 00-0804	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	304.31	60.18
		For Bituminous Coated Pipe, Add	*36.79*	
		For Bituminous Coated And 25% Paved, Add	*89.76*	
		For Smooth-Flo, Add	*114.22*	
33 42 11 00-0805	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	323.44	64.20
		For Bituminous Coated Pipe, Add	*39.01*	
		For Bituminous Coated And 25% Paved, Add	*95.18*	
		For Smooth-Flo, Add	*121.12*	
33 42 11 00-0806	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	343.24	68.21
		For Bituminous Coated Pipe, Add	*41.25*	
		For Bituminous Coated And 25% Paved, Add	*100.64*	
		For Smooth-Flo, Add	*128.07*	
33 42 11 00-0807	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	365.45	72.22
		For Bituminous Coated Pipe, Add	*43.52*	
		For Bituminous Coated And 25% Paved, Add	*106.19*	
		For Smooth-Flo, Add	*135.14*	
33 42 11 00-0808	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	389.42	80.25
		For Bituminous Coated Pipe, Add	*45.78*	
		For Bituminous Coated And 25% Paved, Add	*111.71*	
		For Smooth-Flo, Add	*142.16*	
33 42 11 00-0809	LF	137" x 87"" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	415.95	88.27
		For Bituminous Coated Pipe, Add	*48.62*	
		For Bituminous Coated And 25% Paved, Add	*118.63*	
		For Smooth-Flo, Add	*150.97*	
33 42 11 00-0810		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0800)*		
33 42 11 00-0811	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	298.08	51.36
		For Bituminous Coated Pipe, Add	*39.19*	
		For Bituminous Coated And 25% Paved, Add	*88.56*	
		For Smooth-Flo, Add	*96.21*	
33 42 11 00-0812	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	322.27	56.17
		For Bituminous Coated Pipe, Add	*41.98*	
		For Bituminous Coated And 25% Paved, Add	*94.88*	
		For Smooth-Flo, Add	*103.07*	
33 42 11 00-0813	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	344.21	60.18
		For Bituminous Coated Pipe, Add	*44.77*	
		For Bituminous Coated And 25% Paved, Add	*101.17*	
		For Smooth-Flo, Add	*109.90*	
33 42 11 00-0814	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	366.21	64.20
		For Bituminous Coated Pipe, Add	*47.56*	
		For Bituminous Coated And 25% Paved, Add	*107.49*	
		For Smooth-Flo, Add	*116.76*	
33 42 11 00-0815	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	388.32	68.21
		For Bituminous Coated Pipe, Add	*50.26*	
		For Bituminous Coated And 25% Paved, Add	*113.59*	
		For Smooth-Flo, Add	*123.39*	
33 42 11 00-0816	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	413.71	72.22
		For Bituminous Coated Pipe, Add	*53.17*	
		For Bituminous Coated And 25% Paved, Add	*120.17*	
		For Smooth-Flo, Add	*130.54*	
33 42 11 00-0817	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	440.52	80.25
		For Bituminous Coated Pipe, Add	*56.00*	
		For Bituminous Coated And 25% Paved, Add	*126.57*	
		For Smooth-Flo, Add	*137.49*	
33 42 11 00-0818	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	469.87	88.27
		For Bituminous Coated Pipe, Add	*59.40*	
		For Bituminous Coated And 25% Paved, Add	*134.25*	
		For Smooth-Flo, Add	*145.84*	
33 42 11 00-0819	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	497.25	96.30
		For Bituminous Coated Pipe, Add	*62.61*	
		For Bituminous Coated And 25% Paved, Add	*141.51*	
		For Smooth-Flo, Add	*153.72*	
33 42 11 00-0820		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0737)*		
33 42 11 00-0821		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0820)*		
33 42 11 00-0822	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	47.51	8.32
33 42 11 00-0823	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	54.07	9.07
33 42 11 00-0824	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	62.95	9.82
33 42 11 00-0825	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	71.29	10.58
33 42 11 00-0826	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	92.23	13.60
33 42 11 00-0827	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	120.75	17.65

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0828		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0820)*		
33 42 11 00-0829	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	53.66	8.32
33 42 11 00-0830	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	61.57	9.07
33 42 11 00-0831	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	71.33	9.82
33 42 11 00-0832	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	81.03	10.58
33 42 11 00-0833	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	104.34	13.60
33 42 11 00-0834	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	135.15	17.65
33 42 11 00-0835	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.39	20.86
33 42 11 00-0836		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0820)*		
33 42 11 00-0837	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	79.97	9.07
33 42 11 00-0838	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	93.12	9.82
33 42 11 00-0839	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	105.71	10.58
33 42 11 00-0840	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	135.15	13.60
33 42 11 00-0841	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	172.36	17.65
33 42 11 00-0842	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	200.72	20.86
33 42 11 00-0843	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	236.44	24.08
33 42 11 00-0844	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	262.73	27.28
33 42 11 00-0845		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0820)*		
33 42 11 00-0846	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	201.54	17.65
33 42 11 00-0847	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	234.77	20.86
33 42 11 00-0848	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	275.03	24.08
33 42 11 00-0849	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.37	27.28
33 42 11 00-0850	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	335.59	28.89
33 42 11 00-0851		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0737)*		
33 42 11 00-0852		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0851)*		
33 42 11 00-0853	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	265.27	27.28
33 42 11 00-0854	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	289.79	28.89
33 42 11 00-0855	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	362.22	35.31
33 42 11 00-0856	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	416.08	51.36
33 42 11 00-0857	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	448.23	56.17
33 42 11 00-0858	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	478.29	60.18
33 42 11 00-0859	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	508.21	64.20
33 42 11 00-0860	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	538.79	68.21
33 42 11 00-0861		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0851)*		
33 42 11 00-0862	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	360.16	28.89
33 42 11 00-0863	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	440.55	35.31
33 42 11 00-0864	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	501.33	51.36
33 42 11 00-0865	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	540.28	56.17
33 42 11 00-0866	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	577.17	60.18
33 42 11 00-0867	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	614.00	64.20
33 42 11 00-0868	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	651.34	68.21
33 42 11 00-0869	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	691.13	72.22
33 42 11 00-0870	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	732.60	80.25
33 42 11 00-0871	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	776.64	88.27
33 42 11 00-0872		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0851)*		
33 42 11 00-0873	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	578.68	51.36
33 42 11 00-0874	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	624.02	56.17
33 42 11 00-0875	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	667.30	60.18
33 42 11 00-0876	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	710.34	64.20
33 42 11 00-0877	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	754.05	68.21
33 42 11 00-0878	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	800.16	72.22
33 42 11 00-0879	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	848.01	80.25
33 42 11 00-0880	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	897.86	88.27
33 42 11 00-0881	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	954.22	96.30
33 42 11 00-0882		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0737)*		
33 42 11 00-0883		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0882)*		
33 42 11 00-0884	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	494.38	51.36
33 42 11 00-0885	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	531.58	56.17
33 42 11 00-0886	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	566.31	60.18
33 42 11 00-0887	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	600.97	64.20
33 42 11 00-0888	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	636.43	68.21

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0889	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	674.60	72.22
33 42 11 00-0890	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	714.40	80.25
33 42 11 00-0891	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	760.79	88.27
33 42 11 00-0892		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0882)*		
33 42 11 00-0893	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	576.87	51.36
33 42 11 00-0894	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	620.62	56.17
33 42 11 00-0895	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	662.04	60.18
33 42 11 00-0896	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	703.63	64.20
33 42 11 00-0897	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	744.71	68.21
33 42 11 00-0898	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	790.45	72.22
33 42 11 00-0899	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.11	80.25
33 42 11 00-0900	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	890.36	88.27
33 42 11 00-0901	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	940.11	96.30
33 42 11 00-0902		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0393)*		
33 42 11 00-0903		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0902)*		
33 42 11 00-0904		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0903)*		
33 42 11 00-0905	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	28.62	7.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.90*	
33 42 11 00-0906	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	32.35	8.32
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.17*	
33 42 11 00-0907	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	36.21	9.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.48*	
33 42 11 00-0908	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	41.24	9.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.94*	
33 42 11 00-0909	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	45.67	10.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.08*	
33 42 11 00-0910	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.26	13.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.07*	
33 42 11 00-0911	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.27	17.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.49*	
33 42 11 00-0912	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.14	20.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.51*	
33 42 11 00-0913	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.19	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.86*	
33 42 11 00-0914		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0903)*		
33 42 11 00-0915	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	31.27	7.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.66*	
33 42 11 00-0916	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	35.62	8.32
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.84*	
33 42 11 00-0917	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	40.11	9.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.06*	
33 42 11 00-0918	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	45.76	9.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.40*	
33 42 11 00-0919	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	50.91	10.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.51*	
33 42 11 00-0920	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	66.68	13.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.21*	
33 42 11 00-0921	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.03	17.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.30*	
33 42 11 00-0922	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.08	20.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.02*	
33 42 11 00-0923	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.37	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.25*	
33 42 11 00-0924	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.91	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.90*	
33 42 11 00-0925		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0903)*		
33 42 11 00-0926	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.30	9.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.58*	
33 42 11 00-0927	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.32	9.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.79*	
33 42 11 00-0928	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.77	10.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.82*	
33 42 11 00-0929	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.23	13.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.25*	
33 42 11 00-0930	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.38	17.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.96*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0931	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	117.03	20.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.38*	
33 42 11 00-0932	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.99	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.47*	
33 42 11 00-0933	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.60	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.30*	
33 42 11 00-0934	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.03	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.38*	
33 42 11 00-0935	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.61	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.99*	

33 42 11 00-0936 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0903)*

33 42 11 00-0937	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	117.09	17.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.29*	
33 42 11 00-0938	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.23	20.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.93*	
33 42 11 00-0939	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.51	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.24*	
33 42 11 00-0940	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.49	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.12*	
33 42 11 00-0941	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	195.40	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.45*	
33 42 11 00-0942	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.38	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.92*	
33 42 11 00-0943	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.36	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.22*	

33 42 11 00-0944 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0902)*

33 42 11 00-0945 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0944)*

33 42 11 00-0946	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.82	17.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.33*	
33 42 11 00-0947	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.37	20.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.53*	
33 42 11 00-0948	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.07	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.14*	
33 42 11 00-0949	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.12	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.49*	
33 42 11 00-0950	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.41	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.13*	
33 42 11 00-0951	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	187.04	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.27*	
33 42 11 00-0952	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	227.81	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*43.98*	
33 42 11 00-0953	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.81	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.71*	
33 42 11 00-0954	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	261.65	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.44*	
33 42 11 00-0955	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.48	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.18*	
33 42 11 00-0956	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.88	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.90*	
33 42 11 00-0957	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	312.58	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.66*	

33 42 11 00-0958 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0944)*

33 42 11 00-0959	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.40	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.55*	
33 42 11 00-0960	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.09	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.90*	
33 42 11 00-0961	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	203.20	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.12*	
33 42 11 00-0962	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.41	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.54*	
33 42 11 00-0963	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.83	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.95*	
33 42 11 00-0964	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.17	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.39*	
33 42 11 00-0965	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.40	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.80*	
33 42 11 00-0966	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	317.23	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*47.22*	
33 42 11 00-0967	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.34	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.65*	
33 42 11 00-0968	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.26	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.08*	
33 42 11 00-0969	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.73	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.46*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0970		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0944)*		
33 42 11 00-0971	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	196.72	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.42*	
33 42 11 00-0972	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	239.32	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.78*	
33 42 11 00-0973	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	284.68	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.10*	
33 42 11 00-0974	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	307.29	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.44*	
33 42 11 00-0975	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.78	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.79*	
33 42 11 00-0976	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	348.21	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.13*	
33 42 11 00-0977	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	369.20	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.46*	
33 42 11 00-0978	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	392.49	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.81*	
33 42 11 00-0979	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	417.55	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.15*	
33 42 11 00-0980	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	442.21	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.46*	
33 42 11 00-0981	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.00	96.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.81*	
33 42 11 00-0982		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0944)*		
33 42 11 00-0983	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.30	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.27*	
33 42 11 00-0984	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.86	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.49*	
33 42 11 00-0985	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.37	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.75*	
33 42 11 00-0986	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	393.77	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.98*	
33 42 11 00-0987	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	417.81	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.22*	
33 42 11 00-0988	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	444.11	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*81.47*	
33 42 11 00-0989	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	472.15	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*85.70*	
33 42 11 00-0990	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	499.80	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.91*	
33 42 11 00-0991	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	526.61	96.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.17*	
33 42 11 00-0992	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	554.89	104.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.39*	
33 42 11 00-0993	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	585.22	112.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.64*	
33 42 11 00-0994	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	618.00	120.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.90*	
33 42 11 00-0995		**125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0902)*		
33 42 11 00-0996		**16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0995)*		
33 42 11 00-0997	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.49	24.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.91*	
33 42 11 00-0998	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.90	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.65*	
33 42 11 00-0999	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.09	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.85*	
33 42 11 00-1000	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	185.55	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.17*	
33 42 11 00-1001	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	226.14	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.44*	
33 42 11 00-1002	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.94	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.72*	
33 42 11 00-1003	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.50	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.96*	
33 42 11 00-1004	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.01	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.19*	
33 42 11 00-1005	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	291.26	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.48*	
33 42 11 00-1006	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	309.91	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.85*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1007		14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0995)*		
33 42 11 00-1008	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	154.50	27.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.55*	
33 42 11 00-1009	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	168.58	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.73*	
33 42 11 00-1010	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	205.69	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.43*	
33 42 11 00-1011	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.93	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.57*	
33 42 11 00-1012	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.68	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.81*	
33 42 11 00-1013	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	285.09	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.00*	
33 42 11 00-1014	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.55	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.87*	
33 42 11 00-1015	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.45	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.37*	
33 42 11 00-1016	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.66	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.56*	
33 42 11 00-1017	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	362.61	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.72*	
33 42 11 00-1018	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.47	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.95*	
33 42 11 00-1019		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0995)*		
33 42 11 00-1020	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	203.16	28.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.62*	
33 42 11 00-1021	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.81	35.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.96*	
33 42 11 00-1022	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.67	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.63*	
33 42 11 00-1023	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	312.61	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.27*	
33 42 11 00-1024	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	333.30	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.90*	
33 42 11 00-1025	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	354.15	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.56*	
33 42 11 00-1026	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	375.47	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.20*	
33 42 11 00-1027	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	399.00	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.83*	
33 42 11 00-1028	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	424.47	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.50*	
33 42 11 00-1029	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.55	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.14*	
33 42 11 00-1030	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	473.61	96.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.78*	
33 42 11 00-1031		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0995)*		
33 42 11 00-1032	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	329.64	51.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.07*	
33 42 11 00-1033	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.30	56.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.77*	
33 42 11 00-1034	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.46	60.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.38*	
33 42 11 00-1035	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.45	64.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.95*	
33 42 11 00-1036	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.16	68.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.55*	
33 42 11 00-1037	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.02	72.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*88.14*	
33 42 11 00-1038	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	484.78	80.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.74*	
33 42 11 00-1039	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	513.21	88.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.34*	
33 42 11 00-1040	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	540.54	96.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.92*	
33 42 11 00-1041	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	574.62	104.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.97*	
33 42 11 00-1042	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	606.89	112.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.94*	
33 42 11 00-1043	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	642.27	120.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.11*	
33 42 11 00-1044		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0902)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1045		**16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1044)*		
33 42 11 00-1046	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	40.68	9.07
33 42 11 00-1047	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	46.41	9.82
33 42 11 00-1048	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	51.79	10.58
33 42 11 00-1049	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	67.73	13.60
33 42 11 00-1050	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.03	17.65
33 42 11 00-1051	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.25	20.86
33 42 11 00-1052	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	111.95	24.08
33 42 11 00-1053	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.61	27.28
33 42 11 00-1054	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	144.87	28.89
33 42 11 00-1055		**14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1044)*		
33 42 11 00-1056	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	44.53	9.07
33 42 11 00-1057	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	50.90	9.82
33 42 11 00-1058	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	56.88	10.58
33 42 11 00-1059	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	74.09	13.60
33 42 11 00-1060	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	94.69	17.65
33 42 11 00-1061	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	108.21	20.86
33 42 11 00-1062	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	122.18	24.08
33 42 11 00-1063	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	144.11	27.28
33 42 11 00-1064	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	157.70	28.89
33 42 11 00-1065	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	191.64	35.31
33 42 11 00-1066	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.35	51.36
33 42 11 00-1067	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	252.40	56.17
33 42 11 00-1068		**12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1044)*		
33 42 11 00-1069	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.00	13.60
33 42 11 00-1070	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	110.15	17.65
33 42 11 00-1071	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	126.31	20.86
33 42 11 00-1072	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	142.83	24.08
33 42 11 00-1073	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	167.33	27.28
33 42 11 00-1074	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	183.54	28.89
33 42 11 00-1075	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	220.00	35.31
33 42 11 00-1076	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	264.26	51.36
33 42 11 00-1077	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	285.87	56.17
33 42 11 00-1078	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	305.24	60.18
33 42 11 00-1079	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	324.62	64.20
33 42 11 00-1080	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	344.51	68.21
33 42 11 00-1081	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	365.43	72.22
33 42 11 00-1082		**Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-0393)*		
33 42 11 00-1083		**2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1082)*		
33 42 11 00-1084		**16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1083)*		
33 42 11 00-1085	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	33.25	8.32
		For 1/2 Bituminous Coated And 40% Paved, Add	*7.98*	
33 42 11 00-1086	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	37.01	9.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.52*	
33 42 11 00-1087	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	42.34	9.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.46*	
33 42 11 00-1088	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	47.52	10.58
		For 1/2 Bituminous Coated And 40% Paved, Add	*13.21*	
33 42 11 00-1089	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	61.94	13.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.78*	
33 42 11 00-1090	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.34	17.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.64*	
33 42 11 00-1091		**14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1083)*		
33 42 11 00-1092	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	36.52	8.32
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.27*	
33 42 11 00-1093	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	40.98	9.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.90*	
33 42 11 00-1094	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	46.81	9.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.78*	
33 42 11 00-1095	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.68	10.58
		For 1/2 Bituminous Coated And 40% Paved, Add	*13.58*	
33 42 11 00-1096	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	68.38	13.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.20*	
33 42 11 00-1097	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	89.00	17.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.91*	
33 42 11 00-1098	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	102.27	20.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.10*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1099		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1083)*		
33 42 11 00-1100	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	49.07	9.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.07*	
33 42 11 00-1101	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	56.40	9.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.78*	
33 42 11 00-1102	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	63.54	10.58
		For 1/2 Bituminous Coated And 40% Paved, Add	*12.37*	
33 42 11 00-1103	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.93	13.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.61*	
33 42 11 00-1104	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	105.38	17.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.63*	
33 42 11 00-1105	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	121.37	20.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.27*	
33 42 11 00-1106	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	141.95	24.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.70*	
33 42 11 00-1107	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	158.54	27.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*30.54*	
33 42 11 00-1108		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1083)*		
33 42 11 00-1109	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	120.08	17.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.66*	
33 42 11 00-1110	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	138.52	20.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.42*	
33 42 11 00-1111	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	161.40	24.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.83*	
33 42 11 00-1112	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	180.54	27.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.92*	
33 42 11 00-1113	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	197.62	28.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.00*	
33 42 11 00-1114		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1082)*		
33 42 11 00-1115		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1114)*		
33 42 11 00-1116	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	153.03	27.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.87*	
33 42 11 00-1117	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	167.21	28.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*50.19*	
33 42 11 00-1118	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	206.79	35.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*63.04*	
33 42 11 00-1119	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	249.70	51.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*67.58*	
33 42 11 00-1120	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	270.35	56.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*72.36*	
33 42 11 00-1121	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	288.84	60.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*77.15*	
33 42 11 00-1122	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	307.27	64.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*81.92*	
33 42 11 00-1123	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	326.31	68.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*86.70*	
33 42 11 00-1124		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1114)*		
33 42 11 00-1125	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	199.86	28.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.04*	
33 42 11 00-1126	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	242.99	35.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*69.71*	
33 42 11 00-1127	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	289.12	51.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*74.98*	
33 42 11 00-1128	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	312.91	56.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*80.42*	
33 42 11 00-1129	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	334.62	60.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*85.91*	
33 42 11 00-1130	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	356.27	64.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*91.38*	
33 42 11 00-1131	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	378.46	68.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*96.82*	
33 42 11 00-1132	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	403.00	72.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*102.32*	
33 42 11 00-1133	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	429.29	80.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*107.78*	
33 42 11 00-1134	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	456.64	88.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*113.80*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1135		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1114)*		
33 42 11 00-1136	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	325.72	51.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*81.16*	
33 42 11 00-1137	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	352.55	56.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*87.19*	
33 42 11 00-1138	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	377.26	60.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*93.25*	
33 42 11 00-1139	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	401.86	64.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.27*	
33 42 11 00-1140	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	429.09	68.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*106.03*	
33 42 11 00-1141	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	454.60	72.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.35*	
33 42 11 00-1142	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	483.91	80.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*117.40*	
33 42 11 00-1143	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	513.98	88.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*123.83*	
33 42 11 00-1144	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	546.63	96.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*131.57*	
33 42 11 00-1145		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1082)*		
33 42 11 00-1146		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1145)*		
33 42 11 00-1147	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	292.82	51.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.79*	
33 42 11 00-1148	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	316.28	56.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.92*	
33 42 11 00-1149	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	337.44	60.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*84.00*	
33 42 11 00-1150	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	358.57	64.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.08*	
33 42 11 00-1151	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	380.36	68.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.18*	
33 42 11 00-1152	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	404.62	72.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.37*	
33 42 11 00-1153	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	430.64	80.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*104.54*	
33 42 11 00-1154	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	459.71	88.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.01*	
33 42 11 00-1155		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1145)*		
33 42 11 00-1156	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	333.36	51.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*81.85*	
33 42 11 00-1157	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	360.07	56.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*87.69*	
33 42 11 00-1158	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	384.50	60.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*93.50*	
33 42 11 00-1159	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	409.02	64.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.34*	
33 42 11 00-1160	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	433.58	68.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*104.99*	
33 42 11 00-1161	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	461.56	72.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.06*	
33 42 11 00-1162	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	490.95	80.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*116.98*	
33 42 11 00-1163	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	523.34	88.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*124.07*	
33 42 11 00-1164	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	553.62	96.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*130.78*	
33 42 11 00-1165		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0393)*		
33 42 11 00-1166		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1165)*		
33 42 11 00-1167		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1166)*		
33 42 11 00-1168	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	16.97	4.53
		For Bituminous Coated Pipe, Add	*1.52*	
33 42 11 00-1169	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	21.72	5.67
		For Bituminous Coated Pipe, Add	*2.06*	
33 42 11 00-1170	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	28.08	6.80
		For Bituminous Coated Pipe, Add	*2.71*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1171		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1166)*		
33 42 11 00-1172	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	18.71	4.53
		For Bituminous Coated Pipe, Add	*1.50*	
33 42 11 00-1173	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	24.18	5.67
		For Bituminous Coated Pipe, Add	*2.06*	
33 42 11 00-1174	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	31.36	6.80
		For Bituminous Coated Pipe, Add	*2.72*	
33 42 11 00-1175		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1165)*		
33 42 11 00-1176		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1177	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	32.62	7.94
		For Bituminous Coated Pipe, Add	*2.98*	
33 42 11 00-1178	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	37.31	8.32
		For Bituminous Coated Pipe, Add	*3.74*	
33 42 11 00-1179	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	42.29	9.07
		For Bituminous Coated Pipe, Add	*4.55*	
33 42 11 00-1180	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	48.47	9.82
		For Bituminous Coated Pipe, Add	*5.43*	
33 42 11 00-1181	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.03	10.58
		For Bituminous Coated Pipe, Add	*6.16*	
33 42 11 00-1182		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1183	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	36.35	7.94
		For Bituminous Coated Pipe, Add	*2.92*	
33 42 11 00-1184	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	42.07	8.32
		For Bituminous Coated Pipe, Add	*3.68*	
33 42 11 00-1185	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	47.99	9.07
		For Bituminous Coated Pipe, Add	*4.45*	
33 42 11 00-1186	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	55.07	9.82
		For Bituminous Coated Pipe, Add	*5.29*	
33 42 11 00-1187	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	61.61	10.58
		For Bituminous Coated Pipe, Add	*6.01*	
33 42 11 00-1188	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	80.30	13.60
		For Bituminous Coated Pipe, Add	*7.70*	
33 42 11 00-1189	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	102.59	17.65
		For Bituminous Coated Pipe, Add	*9.58*	
33 42 11 00-1190		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1191	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	76.10	10.58
		For Bituminous Coated Pipe, Add	*5.70*	
33 42 11 00-1192	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	98.35	13.60
		For Bituminous Coated Pipe, Add	*7.26*	
33 42 11 00-1193	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	124.26	17.65
		For Bituminous Coated Pipe, Add	*8.94*	
33 42 11 00-1194	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	142.96	20.86
		For Bituminous Coated Pipe, Add	*10.52*	
33 42 11 00-1195	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.66	24.08
		For Bituminous Coated Pipe, Add	*11.90*	
33 42 11 00-1196	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	189.98	27.28
		For Bituminous Coated Pipe, Add	*14.12*	
33 42 11 00-1197		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1198	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	147.36	17.65
		For Bituminous Coated Pipe, Add	*8.79*	
33 42 11 00-1199	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	169.87	20.86
		For Bituminous Coated Pipe, Add	*10.32*	
33 42 11 00-1200	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	192.50	24.08
		For Bituminous Coated Pipe, Add	*11.71*	
33 42 11 00-1201	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	224.67	27.28
		For Bituminous Coated Pipe, Add	*13.74*	
33 42 11 00-1202	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	246.93	28.89
		For Bituminous Coated Pipe, Add	*15.14*	
33 42 11 00-1203		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1165)*		
33 42 11 00-1204		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1203)*		
33 42 11 00-1205	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	79.12	13.60
33 42 11 00-1206	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	101.12	17.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1207	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	115.49	20.86
33 42 11 00-1208	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	130.75	24.08
33 42 11 00-1209	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	154.17	27.28
33 42 11 00-1210		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1203)*		
33 42 11 00-1211	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	88.63	13.60
33 42 11 00-1212	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	114.68	17.65
33 42 11 00-1213	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	131.22	20.86
33 42 11 00-1214	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	147.92	24.08
33 42 11 00-1215	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	174.28	27.28
33 42 11 00-1216	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	190.54	28.89
33 42 11 00-1217	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	231.63	35.31
33 42 11 00-1218	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	276.25	51.36
33 42 11 00-1219	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	298.12	56.17
33 42 11 00-1220		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1203)*		
33 42 11 00-1221	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	110.82	13.60
33 42 11 00-1222	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	139.63	17.65
33 42 11 00-1223	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.04	20.86
33 42 11 00-1224	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	182.12	24.08
33 42 11 00-1225	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	212.67	27.28
33 42 11 00-1226	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.05	28.89
33 42 11 00-1227	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	278.25	35.31
33 42 11 00-1228	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	327.10	51.36
33 42 11 00-1229	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	353.12	56.17
33 42 11 00-1230	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	377.04	60.18
33 42 11 00-1231	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	400.88	64.20
33 42 11 00-1232	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	425.30	68.21
33 42 11 00-1233		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1203)*		
33 42 11 00-1234	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	277.76	28.89
33 42 11 00-1235	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	325.54	35.31
33 42 11 00-1236	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	378.64	51.36
33 42 11 00-1237	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	408.91	56.17
33 42 11 00-1238	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	437.00	60.18
33 42 11 00-1239	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	465.08	64.20
33 42 11 00-1240	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	493.72	68.21
33 42 11 00-1241	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	524.68	72.22
33 42 11 00-1242	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	557.40	80.25
33 42 11 00-1243		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1165)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1244		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1243)*		
33 42 11 00-1245	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.09	9.07
33 42 11 00-1246	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.27	9.82
33 42 11 00-1247	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.03	10.58
33 42 11 00-1248	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.01	12.09
33 42 11 00-1249	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.14	13.60
33 42 11 00-1250	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.44	15.12
33 42 11 00-1251		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1243)*		
33 42 11 00-1252	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.12	9.07
33 42 11 00-1253	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.75	9.82
33 42 11 00-1254	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.84	10.58
33 42 11 00-1255	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.14	12.09
33 42 11 00-1256	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	105.60	13.60
33 42 11 00-1257	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	117.27	15.12
33 42 11 00-1258	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.14	17.65
33 42 11 00-1259	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.30	20.86
33 42 11 00-1260	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.43	24.08
33 42 11 00-1261		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1243)*		
33 42 11 00-1262	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.91	13.60
33 42 11 00-1263	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.15	15.12
33 42 11 00-1264	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.69	17.65

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1265	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	190.14	20.86
33 42 11 00-1266	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.55	24.08
33 42 11 00-1267	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.32	27.28
33 42 11 00-1268	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	326.03	28.89
33 42 11 00-1269		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1243)*		
33 42 11 00-1270	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.35	24.08
33 42 11 00-1271	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.22	27.28
33 42 11 00-1272	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.87	28.89
33 42 11 00-1273	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	447.52	35.31
33 42 11 00-1274	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.75	51.36
33 42 11 00-1275	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	551.64	56.17
33 42 11 00-1276	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	590.03	60.18
33 42 11 00-1277		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0393)*		
33 42 11 00-1278		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1277)*		
33 42 11 00-1279		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1278)*		
33 42 11 00-1280	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	39.01	8.32
		For Bituminous Coated Pipe, Add	*3.75*	
33 42 11 00-1281	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	43.90	9.07
		For Bituminous Coated Pipe, Add	*4.48*	
33 42 11 00-1282	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	50.30	9.82
		For Bituminous Coated Pipe, Add	*5.34*	
33 42 11 00-1283		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1278)*		
33 42 11 00-1284	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	43.77	8.32
		For Bituminous Coated Pipe, Add	*3.74*	
33 42 11 00-1285	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	48.47	9.07
		For Bituminous Coated Pipe, Add	*4.31*	
33 42 11 00-1286	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	56.90	9.82
		For Bituminous Coated Pipe, Add	*5.29*	
33 42 11 00-1287	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	64.09	10.58
		For Bituminous Coated Pipe, Add	*6.07*	
33 42 11 00-1288	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	82.78	13.60
		For Bituminous Coated Pipe, Add	*7.68*	
33 42 11 00-1289		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1278)*		
33 42 11 00-1290	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	78.60	10.58
		For Bituminous Coated Pipe, Add	*5.79*	
33 42 11 00-1291	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	100.86	13.60
		For Bituminous Coated Pipe, Add	*7.30*	
33 42 11 00-1292	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	128.52	17.65
		For Bituminous Coated Pipe, Add	*9.11*	
33 42 11 00-1293	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	148.57	20.86
		For Bituminous Coated Pipe, Add	*10.77*	
33 42 11 00-1294		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1278)*		
33 42 11 00-1295	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	151.59	17.65
		For Bituminous Coated Pipe, Add	*8.79*	
33 42 11 00-1296	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	175.52	20.86
		For Bituminous Coated Pipe, Add	*10.37*	
33 42 11 00-1297	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	203.85	24.08
		For Bituminous Coated Pipe, Add	*12.15*	
33 42 11 00-1298	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	228.40	27.28
		For Bituminous Coated Pipe, Add	*13.52*	
33 42 11 00-1299		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1277)*		
33 42 11 00-1300		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1299)*		
33 42 11 00-1301	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	178.01	27.28
33 42 11 00-1302	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	194.87	28.89
33 42 11 00-1303	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	236.98	35.31
33 42 11 00-1304		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1299)*		
33 42 11 00-1305	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	216.40	27.28
33 42 11 00-1306	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	237.38	28.89
33 42 11 00-1307	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	283.41	35.31
33 42 11 00-1308	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	332.66	51.36
33 42 11 00-1309	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	359.08	56.17

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1310	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	383.39	60.18
33 42 11 00-1311		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1299)*		
33 42 11 00-1312	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	282.03	28.89
33 42 11 00-1313	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	330.52	35.31
33 42 11 00-1314	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	384.00	51.36
33 42 11 00-1315	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	414.66	56.17
33 42 11 00-1316	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	443.15	60.18
33 42 11 00-1317	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	471.60	64.20
33 42 11 00-1318		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0393)*		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1319		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1318)*		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1320	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	68.01	
33 42 11 00-1321	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	85.29	
33 42 11 00-1322	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	102.57	
33 42 11 00-1323	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	120.94	
33 42 11 00-1324	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	146.84	
33 42 11 00-1325	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	172.74	
33 42 11 00-1326	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.66	
33 42 11 00-1327	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	224.57	
33 42 11 00-1328	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	292.59	
33 42 11 00-1329	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	348.72	
33 42 11 00-1330	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	404.88	
33 42 11 00-1331	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	523.63	
33 42 11 00-1332	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	590.59	
33 42 11 00-1333	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	659.68	
33 42 11 00-1334	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	730.94	
33 42 11 00-1335	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	890.73	
33 42 11 00-1336	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	971.70	
33 42 11 00-1337	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,054.83	
33 42 11 00-1338	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,294.51	
33 42 11 00-1339	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,389.53	
33 42 11 00-1340	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,485.62	
33 42 11 00-1341	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,581.70	
33 42 11 00-1342	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,676.71	
33 42 11 00-1343	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,772.81	
33 42 11 00-1344	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,874.12	
33 42 11 00-1345	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,981.22	
33 42 11 00-1346	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,094.42	
33 42 11 00-1347		**Fabricate Corrugated Steel Pipe Tees Or Laterals** *(33 42 11 00-1318)*		
		Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1348	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	88.53	
33 42 11 00-1349	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	113.37	
33 42 11 00-1350	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	138.18	
33 42 11 00-1351	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	163.03	
33 42 11 00-1352	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.66	
33 42 11 00-1353	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	235.35	
33 42 11 00-1354	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	272.09	
33 42 11 00-1355	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	308.77	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1356	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	404.88	
33 42 11 00-1357	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	482.61	
33 42 11 00-1358	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	561.42	
33 42 11 00-1359	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	728.76	
33 42 11 00-1360	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	820.54	
33 42 11 00-1361	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	915.54	
33 42 11 00-1362	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,012.72	
33 42 11 00-1363	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,235.12	
33 42 11 00-1364	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,345.27	
33 42 11 00-1365	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,457.54	
33 42 11 00-1366	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,793.30	
33 42 11 00-1367	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,921.79	
33 42 11 00-1368	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,050.27	
33 42 11 00-1369	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,179.82	
33 42 11 00-1370	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,309.39	
33 42 11 00-1371	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,437.85	
33 42 11 00-1372	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,573.48	
33 42 11 00-1373	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,716.64	
33 42 11 00-1374	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,867.75	

33 42 11 00-1375 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1318)*

Note: Applied to pipe tasks.

33 42 11 00-1376	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	34.14	
33 42 11 00-1377	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	42.95	
33 42 11 00-1378	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	54.02	
33 42 11 00-1379	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	66.15	
33 42 11 00-1380	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	83.70	
33 42 11 00-1381	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	102.51	
33 42 11 00-1382	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	120.06	
33 42 11 00-1383	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	139.49	
33 42 11 00-1384	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	171.33	
33 42 11 00-1385	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	204.28	
33 42 11 00-1386	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	243.74	
33 42 11 00-1387	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	299.82	
33 42 11 00-1388	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	339.36	
33 42 11 00-1389	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	382.18	
33 42 11 00-1390	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	463.47	
33 42 11 00-1391	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	513.97	
33 42 11 00-1392	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	627.09	
33 42 11 00-1393	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	683.12	
33 42 11 00-1394	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	742.45	
33 42 11 00-1395	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	800.62	
33 42 11 00-1396	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	859.93	
33 42 11 00-1397	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	920.33	
33 42 11 00-1398	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	979.66	
33 42 11 00-1399	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,038.94	
33 42 11 00-1400	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,101.82	
33 42 11 00-1401	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,168.50	
33 42 11 00-1402	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,239.23	

33 42 11 00-1403 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1318)*

33 42 11 00-1404	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	8.69	
		For Bituminous Coated, Add	*2.52*	
33 42 11 00-1405	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	11.53	
		For Bituminous Coated, Add	*3.34*	
33 42 11 00-1406	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	14.53	
		For Bituminous Coated, Add	*4.21*	
33 42 11 00-1407	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	24.12	
		For Bituminous Coated, Add	*6.99*	
33 42 11 00-1408	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	30.41	
		For Bituminous Coated, Add	*8.82*	
33 42 11 00-1409	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	44.61	
		For Bituminous Coated, Add	*12.94*	
33 42 11 00-1410	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	52.95	
		For Bituminous Coated, Add	*15.36*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1411	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	60.04	
		For Bituminous Coated, Add	*17.41*	
33 42 11 00-1412	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	103.90	
		For Bituminous Coated, Add	*30.13*	
33 42 11 00-1413	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	166.24	
		For Bituminous Coated, Add	*39.90*	
33 42 11 00-1414	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	195.32	
		For Bituminous Coated, Add	*46.88*	
33 42 11 00-1415	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	218.86	
		For Bituminous Coated, Add	*52.53*	
33 42 11 00-1416	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	310.38	
		For Bituminous Coated, Add	*74.49*	
33 42 11 00-1417	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	443.93	
		For Bituminous Coated, Add	*79.91*	
33 42 11 00-1418	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	545.59	
		For Bituminous Coated, Add	*98.21*	
33 42 11 00-1419	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	700.84	
		For Bituminous Coated, Add	*98.12*	
33 42 11 00-1420	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	749.59	
		For Bituminous Coated, Add	*104.94*	
33 42 11 00-1421	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	798.62	
		For Bituminous Coated, Add	*111.81*	
33 42 11 00-1422	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	847.40	
		For Bituminous Coated, Add	*118.64*	
33 42 11 00-1423	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	896.31	
		For Bituminous Coated, Add	*125.48*	
33 42 11 00-1424	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	945.34	
		For Bituminous Coated, Add	*132.35*	
33 42 11 00-1425	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	994.14	
		For Bituminous Coated, Add	*139.18*	
33 42 11 00-1426	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	1,177.45	
		For Bituminous Coated, Add	*141.29*	
33 42 11 00-1427	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	1,091.68	
		For Bituminous Coated, Add	*131.00*	
33 42 11 00-1428	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	1,140.33	
		For Bituminous Coated, Add	*136.84*	
33 42 11 00-1429	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	1,189.33	
		For Bituminous Coated, Add	*142.72*	
33 42 11 00-1430	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	1,238.39	
		For Bituminous Coated, Add	*148.61*	

33 42 11 00-1431 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-1432 Extra Strength Vitrified Clay Piping *(33 42 11 00-1431)*

33 42 11 00-1433 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1432)*

Note: ASTM C700.

33 42 11 00-1434	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	16.66	
		For 3' Lengths, Add	*1.52*	
		For 2' Lengths, Add	*2.02*	
		For Standard Strength, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.83*	
33 42 11 00-1435	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	27.64	
		For 3' Lengths, Add	*2.35*	
		For 2' Lengths, Add	*3.14*	
		For Standard Strength, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.38*	
33 42 11 00-1436	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	33.19	
		For 3' Lengths, Add	*3.36*	
		For 2' Lengths, Add	*4.48*	
		For Standard Strength, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.66*	
33 42 11 00-1437	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	40.15	
		For 3' Lengths, Add	*5.15*	
		For 2' Lengths, Add	*6.86*	
		For Standard Strength, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.01*	
33 42 11 00-1438	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	49.30	
		For 3' Lengths, Add	*7.27*	
		For 2' Lengths, Add	*9.69*	
		For Standard Strength, Deduct	*-2.42*	
		For >1,000, Deduct	*-2.47*	
33 42 11 00-1439	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	73.33	
		For 3' Lengths, Add	*13.63*	
		For 2' Lengths, Add	*18.17*	
		For Standard Strength, Deduct	*-4.54*	
		For >1,000, Deduct	*-3.67*	
33 42 11 00-1440	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	99.91	
		For 3' Lengths, Add	*19.53*	
		For 2' Lengths, Add	*26.04*	
		For Standard Strength, Deduct	*-6.51*	
		For >1,000, Deduct	*-5.00*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1441	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	148.18	
		For 3' Lengths, Add	*31.29*	
		For 2' Lengths, Add	*41.72*	
		For Standard Strength, Deduct	*-10.43*	
		For >1,000, Deduct	*-7.41*	
33 42 11 00-1442	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	189.55	
		For 3' Lengths, Add	*40.88*	
		For 2' Lengths, Add	*54.50*	
		For Standard Strength, Deduct	*-13.63*	
		For >1,000, Deduct	*-9.48*	
33 42 11 00-1443	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	234.61	
		For 3' Lengths, Add	*50.97*	
		For 2' Lengths, Add	*67.96*	
		For Standard Strength, Deduct	*-16.99*	
		For >1,000, Deduct	*-11.73*	
33 42 11 00-1444	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	283.80	
		For 3' Lengths, Add	*61.57*	
		For 2' Lengths, Add	*82.09*	
		For Standard Strength, Deduct	*-20.52*	
		For >1,000, Deduct	*-14.19*	

33 42 11 00-1445 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1432)*
Note: ASTM C425.

33 42 11 00-1446	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	23.54	
		For 3' Lengths, Add	*1.79*	
		For 2' Lengths, Add	*2.38*	
		For Standard Strength, Deduct	*-0.60*	
		For >1,000, Deduct	*-1.18*	
33 42 11 00-1447	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	29.52	
		For 3' Lengths, Add	*2.92*	
		For 2' Lengths, Add	*3.89*	
		For Standard Strength, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.48*	
33 42 11 00-1448	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	35.72	
		For 3' Lengths, Add	*4.12*	
		For 2' Lengths, Add	*5.49*	
		For Standard Strength, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.79*	
33 42 11 00-1449	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	45.53	
		For 3' Lengths, Add	*6.76*	
		For 2' Lengths, Add	*9.02*	
		For Standard Strength, Deduct	*-2.25*	
		For >1,000, Deduct	*-2.28*	
33 42 11 00-1450	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	54.68	
		For 3' Lengths, Add	*8.88*	
		For 2' Lengths, Add	*11.84*	
		For Standard Strength, Deduct	*-2.96*	
		For >1,000, Deduct	*-2.73*	
33 42 11 00-1451	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	81.91	
		For 3' Lengths, Add	*16.20*	
		For 2' Lengths, Add	*21.60*	
		For Standard Strength, Deduct	*-5.40*	
		For >1,000, Deduct	*-4.10*	
33 42 11 00-1452	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	113.87	
		For 3' Lengths, Add	*23.72*	
		For 2' Lengths, Add	*31.62*	
		For Standard Strength, Deduct	*-7.91*	
		For >1,000, Deduct	*-5.69*	
33 42 11 00-1453	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	164.16	
		For 3' Lengths, Add	*36.08*	
		For 2' Lengths, Add	*48.11*	
		For Standard Strength, Deduct	*-12.03*	
		For >1,000, Deduct	*-8.21*	
33 42 11 00-1454	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	214.78	
		For 3' Lengths, Add	*48.44*	
		For 2' Lengths, Add	*64.59*	
		For Standard Strength, Deduct	*-16.15*	
		For >1,000, Deduct	*-10.74*	
33 42 11 00-1455	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	345.63	
		For 3' Lengths, Add	*84.27*	
		For 2' Lengths, Add	*112.36*	
		For Standard Strength, Deduct	*-28.09*	
		For >1,000, Deduct	*-17.28*	
33 42 11 00-1456	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	492.38	
		For 3' Lengths, Add	*124.14*	
		For 2' Lengths, Add	*165.52*	
		For Standard Strength, Deduct	*-41.38*	
		For >1,000, Deduct	*-24.62*	

33 42 11 00-1457 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-1431)*

33 42 11 00-1458 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1457)*

33 42 11 00-1459 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-1458)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1460	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	70.85	
33 42 11 00-1461	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	96.11	
33 42 11 00-1462	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	138.26	
33 42 11 00-1463	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	191.35	
33 42 11 00-1464	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	253.65	
33 42 11 00-1465	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	611.97	
33 42 11 00-1466	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	864.01	
33 42 11 00-1467	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,350.09	
33 42 11 00-1468	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,557.70	
33 42 11 00-1469	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,807.97	
33 42 11 00-1470	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,717.29	
33 42 11 00-1471		Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1458)*		
33 42 11 00-1472	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	79.90	
33 42 11 00-1473	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	114.36	
33 42 11 00-1474	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	155.70	
33 42 11 00-1475	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	210.07	
33 42 11 00-1476	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	267.37	
33 42 11 00-1477	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	686.08	
33 42 11 00-1478	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	999.45	
33 42 11 00-1479	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,025.62	
33 42 11 00-1480	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,995.65	
33 42 11 00-1481	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,220.91	
33 42 11 00-1482	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,303.85	
33 42 11 00-1483		1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1457)*		
33 42 11 00-1484		Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1483)*		
33 42 11 00-1485	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	82.47	
33 42 11 00-1486	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	110.09	
33 42 11 00-1487	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	154.63	
33 42 11 00-1488	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	209.16	
33 42 11 00-1489	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	273.71	
33 42 11 00-1490	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	634.29	
33 42 11 00-1491	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	891.86	
33 42 11 00-1492	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,385.21	
33 42 11 00-1493	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,600.33	
33 42 11 00-1494	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,861.14	
33 42 11 00-1495	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,776.39	
33 42 11 00-1496		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1483)*		
33 42 11 00-1497	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	93.84	
33 42 11 00-1498	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	131.16	
33 42 11 00-1499	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	175.34	
33 42 11 00-1500	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	231.44	
33 42 11 00-1501	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	291.45	
33 42 11 00-1502	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	712.87	
33 42 11 00-1503	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,032.85	
33 42 11 00-1504	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,010.70	
33 42 11 00-1505	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,046.82	
33 42 11 00-1506	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,284.71	
33 42 11 00-1507	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,374.77	
33 42 11 00-1508		Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1457)*		
33 42 11 00-1509		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1508)*		
33 42 11 00-1510	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	90.07	
33 42 11 00-1511	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	118.04	
33 42 11 00-1512	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	161.44	
33 42 11 00-1513	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	215.10	
33 42 11 00-1514	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	272.83	
33 42 11 00-1515	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	639.08	
33 42 11 00-1516	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	895.57	
33 42 11 00-1517	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,295.84	
33 42 11 00-1518	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,805.55	
33 42 11 00-1519	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,907.98	
33 42 11 00-1520	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,750.44	
33 42 11 00-1521		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1508)*		
33 42 11 00-1522	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	110.15	
33 42 11 00-1523	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	151.94	
33 42 11 00-1524	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	201.02	
33 42 11 00-1525	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	261.94	
33 42 11 00-1526	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	327.73	
33 42 11 00-1527	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	777.50	
33 42 11 00-1528	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,122.46	

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1529	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,669.16	
33 42 11 00-1530	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,213.10	
33 42 11 00-1531	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,558.30	
33 42 11 00-1532	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	3,638.91	

33 42 11 00-1533 Vitrified Clay Couplings *(33 42 11 00-1431)*

33 42 11 00-1534 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-1533)*

Note: Stainless steel tightening band at each end (Fernco #1002)

33 42 11 00-1535	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	30.55	
33 42 11 00-1536	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	30.23	
33 42 11 00-1537	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	42.22	
33 42 11 00-1538	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	39.70	
33 42 11 00-1539	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	51.93	
33 42 11 00-1540	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	54.12	
33 42 11 00-1541	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	49.27	
33 42 11 00-1542	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	72.14	
33 42 11 00-1543	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	66.60	
33 42 11 00-1544	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	94.88	
33 42 11 00-1545	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	86.32	
33 42 11 00-1546	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	118.27	
33 42 11 00-1547	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	98.61	
33 42 11 00-1548	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	201.26	
33 42 11 00-1549	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	154.41	

33 42 11 00-1550 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-1533)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1551	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	45.05	
33 42 11 00-1552	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	59.31	
33 42 11 00-1553	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	62.42	
33 42 11 00-1554	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	65.45	
33 42 11 00-1555	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	79.92	
33 42 11 00-1556	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	92.19	

33 42 11 00-1557 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-1533)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1558	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	46.09	
33 42 11 00-1559	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	60.35	
33 42 11 00-1560	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	55.71	
33 42 11 00-1561	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	71.68	
33 42 11 00-1562	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	101.76	
33 42 11 00-1563	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	114.62	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	536.77	40.13
		For Each LF Of Cut-Off Section, Add	*21.47*	
33 42 13 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	643.30	40.13
		For Each LF Of Cut-Off Section, Add	*25.73*	
33 42 13 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	769.88	50.16
		For Each LF Of Cut-Off Section, Add	*30.80*	
33 42 13 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	790.17	50.16
		For Each LF Of Cut-Off Section, Add	*31.61*	
33 42 13 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	800.31	50.16
		For Each LF Of Cut-Off Section, Add	*32.01*	
33 42 13 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	824.63	52.16
		For Each LF Of Cut-Off Section, Add	*32.99*	
33 42 13 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	829.70	52.16
		For Each LF Of Cut-Off Section, Add	*33.19*	
33 42 13 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	921.00	52.16
		For Each LF Of Cut-Off Section, Add	*36.84*	
33 42 13 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	937.05	60.18
		For Each LF Of Cut-Off Section, Add	*37.48*	
33 42 13 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	980.38	81.85
		For Each LF Of Cut-Off Section, Add	*39.22*	
33 42 13 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	926.07	52.16
		For Each LF Of Cut-Off Section, Add	*37.04*	
33 42 13 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	942.12	60.18
		For Each LF Of Cut-Off Section, Add	*37.68*	
33 42 13 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	957.34	60.18
		For Each LF Of Cut-Off Section, Add	*38.29*	
33 42 13 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,145.58	80.25
		For Each LF Of Cut-Off Section, Add	*45.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,149.64	80.25
		For Each LF Of Cut-Off Section, Add	*45.99*	
33 42 13 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,257.74	100.31
		For Each LF Of Cut-Off Section, Add	*50.31*	
33 42 13 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,276.45	80.25
		For Each LF Of Cut-Off Section, Add	*51.06*	
33 42 13 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,331.80	100.31
		For Each LF Of Cut-Off Section, Add	*53.27*	
33 42 13 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,336.87	100.31
		For Each LF Of Cut-Off Section, Add	*53.47*	
33 42 13 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,651.37	100.31
		For Each LF Of Cut-Off Section, Add	*66.05*	
33 42 13 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,711.78	120.38
		For Each LF Of Cut-Off Section, Add	*68.47*	
33 42 13 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,732.08	120.38
		For Each LF Of Cut-Off Section, Add	*69.28*	
33 42 13 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,737.15	120.38
		For Each LF Of Cut-Off Section, Add	*69.49*	
33 42 13 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,744.25	120.38
		For Each LF Of Cut-Off Section, Add	*69.77*	
33 42 13 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,792.48	140.44
		For Each LF Of Cut-Off Section, Add	*71.70*	
33 42 13 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,792.48	140.44
		For Each LF Of Cut-Off Section, Add	*71.70*	
33 42 13 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,792.48	140.44
		For Each LF Of Cut-Off Section, Add	*71.70*	
33 42 13 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,792.48	140.44
		For Each LF Of Cut-Off Section, Add	*71.70*	
33 42 13 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,664.51	160.50
		For Each LF Of Cut-Off Section, Add	*106.58*	
33 42 13 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,780.45	160.50
		For Each LF Of Cut-Off Section, Add	*151.22*	

33 42 13 13-0032 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0033	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,344.87	40.13
		For Each LF Of Cut-Off Section, Add	*53.79*	
33 42 13 13-0034	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,517.33	40.13
		For Each LF Of Cut-Off Section, Add	*60.69*	
33 42 13 13-0035	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,709.80	50.16
		For Each LF Of Cut-Off Section, Add	*68.39*	
33 42 13 13-0036	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,882.26	50.16
		For Each LF Of Cut-Off Section, Add	*75.29*	
33 42 13 13-0037	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,054.71	50.16
		For Each LF Of Cut-Off Section, Add	*82.19*	
33 42 13 13-0038	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,886.28	52.16
		For Each LF Of Cut-Off Section, Add	*75.45*	
33 42 13 13-0039	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,058.73	52.16
		For Each LF Of Cut-Off Section, Add	*82.35*	
33 42 13 13-0040	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,403.64	52.16
		For Each LF Of Cut-Off Section, Add	*96.15*	
33 42 13 13-0041	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,247.24	60.18
		For Each LF Of Cut-Off Section, Add	*89.89*	
33 42 13 13-0042	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,635.44	81.85
		For Each LF Of Cut-Off Section, Add	*105.42*	
33 42 13 13-0043	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	2,058.73	52.16
		For Each LF Of Cut-Off Section, Add	*82.35*	
33 42 13 13-0044	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,247.24	60.18
		For Each LF Of Cut-Off Section, Add	*89.89*	
33 42 13 13-0045	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,419.69	60.18
		For Each LF Of Cut-Off Section, Add	*96.79*	
33 42 13 13-0046	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,632.23	80.25
		For Each LF Of Cut-Off Section, Add	*105.29*	
33 42 13 13-0047	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,804.68	80.25
		For Each LF Of Cut-Off Section, Add	*112.19*	
33 42 13 13-0048	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,189.72	100.31
		For Each LF Of Cut-Off Section, Add	*127.59*	
33 42 13 13-0049	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,832.91	80.25
		For Each LF Of Cut-Off Section, Add	*113.32*	
33 42 13 13-0050	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,241.62	100.31
		For Each LF Of Cut-Off Section, Add	*129.66*	
33 42 13 13-0051	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,204.10	100.31
		For Each LF Of Cut-Off Section, Add	*128.16*	
33 42 13 13-0052	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,408.87	100.31
		For Each LF Of Cut-Off Section, Add	*136.35*	
33 42 13 13-0053	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,653.77	120.38
		For Each LF Of Cut-Off Section, Add	*146.15*	
33 42 13 13-0054	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,858.55	120.38
		For Each LF Of Cut-Off Section, Add	*154.34*	
33 42 13 13-0055	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	4,063.36	120.38
		For Each LF Of Cut-Off Section, Add	*162.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0056	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,268.13	120.38
		For Each LF Of Cut-Off Section, Add	*170.73*	
33 42 13 13-0057	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	4,238.57	140.44
		For Each LF Of Cut-Off Section, Add	*169.54*	
33 42 13 13-0058	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,471.33	140.44
		For Each LF Of Cut-Off Section, Add	*178.85*	
33 42 13 13-0059	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,936.95	140.44
		For Each LF Of Cut-Off Section, Add	*197.48*	
33 42 13 13-0060	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	5,402.56	140.44
		For Each LF Of Cut-Off Section, Add	*216.10*	
33 42 13 13-0061	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	6,477.38	160.50
		For Each LF Of Cut-Off Section, Add	*259.10*	
33 42 13 13-0062	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	8,236.34	160.50
		For Each LF Of Cut-Off Section, Add	*329.45*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,087.76	527.47
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,373.35	562.64
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,787.95	736.97
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,770.48	1,054.94
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,839.12	1,406.59
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,784.85	1,854.04
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,643.42	2,557.42
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,893.64	3,014.09
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,502.92	3,669.41
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,421.71	4,441.87

33 42 23 00-0014 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	551.51	136.04
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	574.18	143.60
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	633.49	163.25
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	697.57	173.83
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	914.93	204.06
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,033.57	211.62
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	1,340.38	247.66
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	1,474.64	272.85
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	1,623.11	288.90
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	1,833.77	288.90
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	2,190.90	361.13
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	3,061.65	433.36

33 42 23 00-0027 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,512.29	1,430.08
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,753.04	1,588.97
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,154.30	1,853.81
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	4,555.55	2,118.63
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,555.55	2,118.63
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,716.05	2,224.57
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,459.31	2,277.54
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,700.07	2,436.43

33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*

33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,974.93	561.76

33 42 26 End Sections for Stormwater Piping *(33 42)*

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping *(33 42 26)*

33 42 26 16-0001 Corrugated Metal Pipe End Sections *(33 42 26 16)*

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0003		**Type 1 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	193.83	52.90
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	223.46	56.68
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	259.07	60.47
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	311.50	66.13
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	344.61	71.80
33 42 26 16-0009		**Type 2 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	544.69	81.25
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	704.64	96.30
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,068.87	112.35
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,302.97	128.40
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,554.53	160.50
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,817.05	192.60
33 42 26 16-0016		**Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	201.70	52.90
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	231.55	56.68
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	271.50	60.47
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	326.43	66.13
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	361.54	71.80
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	596.66	81.25
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	767.85	96.30
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,209.79	112.35
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,484.83	128.40
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,738.44	160.50
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,399.53	192.60
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,745.64	288.90
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,227.96	385.20
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,514.12	413.29
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,806.99	441.39
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	24.52	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	27.21	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	30.51	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	33.17	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	37.08	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	64.05	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	68.94	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	93.72	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	100.48	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	122.48	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	125.70	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	134.71	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	154.89	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	173.11	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	177.73	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	223.46	56.68
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	259.07	60.47
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	311.50	66.13
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	344.61	71.80
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	216.67	56.68
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	246.51	60.47
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	275.55	66.13
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	310.28	71.80
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	446.83	81.25
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	644.50	96.30
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	991.50	112.35
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,251.42	128.40
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	220.12	56.68
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	254.00	60.47
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	287.26	66.13
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	324.16	71.80
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	470.42	81.25
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	676.68	96.30
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,042.98	112.35
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,310.66	128.40
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,578.87	160.50
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,069.77	192.60
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,895.12	288.90
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,225.97	385.20
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	27.21	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	30.51	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	33.17	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	37.08	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	64.05	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	68.94	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	93.72	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	104.38	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	122.48	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	127.25	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	147.34	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	168.79	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	285.24	52.90
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	327.53	56.68
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	386.43	60.47
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	476.61	66.13
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	618.45	71.80
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	920.07	81.25
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,246.50	96.30
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,545.55	96.30
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,968.56	112.35
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,801.39	128.40
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,107.80	160.50
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,182.64	192.60
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,755.88	288.90
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,574.88	385.20
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,086.79	413.29
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,424.05	441.39
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,756.94	481.50
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,691.32	521.63
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.64	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	47.28	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	51.19	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	57.54	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	61.10	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	79.26	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	95.12	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	100.11	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	109.79	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	124.08	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	146.51	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	202.89	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	219.49	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	280.08	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	303.34	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	323.31	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	344.24	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	365.48	
33 42 26 16-0128		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0129		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	337.20	56.68
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	410.00	60.47
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	445.36	66.13
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	480.70	71.80

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	713.46	81.25
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,260.25	96.30
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,336.06	96.30
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,781.55	112.35
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,728.57	128.40
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,127.57	160.50
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,781.12	192.60
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,325.38	288.90
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,660.34	385.20
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,250.35	413.29
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,570.14	441.39
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,251.61	481.50
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,744.59	521.63
33 42 26 16-0147		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.28	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.19	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	54.05	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	59.17	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	68.28	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	88.80	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.76	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	109.79	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	124.08	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	146.51	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	185.17	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	234.31	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	317.15	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	359.77	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	377.13	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	391.47	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	408.87	
33 42 26 16-0165		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0166		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	430.03	56.68
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	550.73	60.47
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	672.40	66.13
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	802.62	71.80
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	850.45	81.25
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,109.46	96.30
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,744.19	112.35
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)* Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	303.55	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	602.28	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	660.89	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	687.46	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	449.67	56.68
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	586.04	60.47
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	776.34	66.13
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	910.64	71.80
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,079.77	81.25
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,311.86	96.30
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,997.44	112.35
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)* Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	586.44	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	623.06	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	685.45	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	721.47	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	52.48	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	58.74	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	63.92	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	71.30	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	106.19	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	113.96	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	152.36	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	509.36	60.47
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	636.77	66.13
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	752.16	71.80
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,404.48	81.25
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	360.84	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	652.24	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	687.46	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,008.98	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	53.10	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	60.15	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	65.55	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	78.48	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	45.85	15.45
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	85.24	23.17
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	115.66	28.96
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	182.17	46.34
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	216.25	52.13
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	229.57	55.99
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	273.34	61.78
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	352.97	73.36
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	865.70	83.02
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	962.75	92.67
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	440.59	88.65
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	588.36	109.74
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	729.52	138.92
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	839.41	166.12
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	897.41	192.27
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,133.53	239.14
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,417.04	359.20
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	1,752.83	453.26
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,127.36	568.58
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,337.55	641.21
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	2,555.85	718.25
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	2,779.92	798.50
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	2,724.04	644.31
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	3,142.52	805.37
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	3,752.78	1,006.70
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	4,446.18	1,208.04
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	547.71	93.49
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	660.64	116.52
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	804.04	147.50
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	921.35	176.39
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,120.59	204.15
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,377.85	326.06
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,469.90	448.93
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	1,972.70	566.57

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,377.47	710.86
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	2,583.33	801.71
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	2,889.89	897.93
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	3,202.82	997.37
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	3,730.86	1,149.12
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	4,332.48	1,282.58
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	4,909.05	1,442.84
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	5,642.49	1,602.94
33 42 26 23-0036		Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	949.68	147.50
33 42 26 23-0038	EA	19" x 30" Elliptical Precast Concrete End Section	1,324.10	204.15
33 42 26 23-0039	EA	22" x 34" Elliptical Precast Concrete End Section	1,599.92	326.06
33 42 26 23-0040	EA	24" x 38" Elliptical Precast Concrete End Section	1,668.84	448.93
33 42 26 23-0041	EA	27" x 42" Elliptical Precast Concrete End Section	1,961.03	507.99
33 42 26 23-0042	EA	29" x 45" Elliptical Precast Concrete End Section	2,253.22	566.57
33 42 26 23-0043	EA	34" x 53" Elliptical Precast Concrete End Section	2,705.04	710.86
33 42 26 23-0044	EA	38" x 60" Elliptical Precast Concrete End Section	2,928.25	801.71
33 42 26 23-0045	EA	43" x 68" Elliptical Precast Concrete End Section	3,275.34	897.93
33 42 26 23-0046	EA	48" x 76" Elliptical Precast Concrete End Section	3,629.01	997.37
33 42 26 23-0047		Mitered Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0048	EA	12" Round Mitered Precast Concrete End Sections	319.85	93.49
33 42 26 23-0049	EA	15" Round Mitered Precast Concrete End Sections	353.56	116.52
33 42 26 23-0050	EA	18" Round Mitered Precast Concrete End Sections	428.82	147.50
33 42 26 23-0051	EA	24" Round Mitered Precast Concrete End Sections	617.56	204.15
33 42 26 23-0052	EA	18" x 12" Elliptical Mitered Precast Concrete End Sections	376.04	116.52
33 42 26 23-0053	EA	23" x 14" Elliptical Mitered Precast Concrete End Sections	468.79	147.50
33 42 26 23-0054	EA	30" x 19" Elliptical Mitered Precast Concrete End Sections	666.26	204.15

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*
See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*
Note: Inside dimensions.

33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,443.01	259.44
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,726.33	303.98
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,009.67	348.44
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,292.99	392.99
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,576.32	437.45
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,887.36	257.88
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,327.81	343.83
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,959.30	468.86
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,614.31	547.01
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,116.92	625.15
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,030.53	281.32
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,814.33	390.72
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,423.78	507.93
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,953.33	586.08
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,011.03	750.18

33 42 31 00-0022 Cast In Place, Catch Basin *(33 42 31 00-0002)*
Note: Inside span, overall depth.

33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,749.56	313.67
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,856.50	333.52
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,019.77	358.21
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,281.73	396.50
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,453.26	422.05
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,570.76	442.60
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,742.44	468.17
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,857.24	488.79
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,030.00	514.27
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,146.42	534.90

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,318.04	560.45
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	414.77	70.02
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,016.38	362.59
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,151.54	388.07
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,322.44	413.62
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,628.56	458.08
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,818.18	487.00
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,953.60	510.98
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,145.78	539.90
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,281.21	563.88
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,471.82	592.80
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,607.73	616.80
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,798.43	645.70
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	474.82	80.73
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,301.88	414.79
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,444.68	441.12
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,642.72	472.30
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,993.48	523.02
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,203.66	555.30
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,358.50	582.72
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,568.69	615.00
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,723.04	642.43
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,933.22	674.70
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,088.07	702.13
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,298.24	734.48
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	537.25	91.82
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,659.28	480.98
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,825.50	508.17
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,045.52	543.33
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,445.55	601.00
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,679.72	637.43
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,858.60	668.92
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,093.23	705.33
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,272.13	736.90
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,506.29	773.32
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,684.10	804.81
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,919.82	841.22
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	615.02	105.19
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,413.61	610.07
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,859.14	674.15
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,114.17	714.08
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,312.85	749.09
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,565.26	788.95
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,765.02	823.95
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,018.97	863.88
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,216.12	898.89
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,471.15	938.75
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	902.77	117.37
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,799.23	680.32
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,426.52	770.11
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,709.35	814.50
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,935.82	854.27
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,220.19	898.97
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,447.74	938.75
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,730.56	983.44
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,957.04	1,023.22
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,239.86	1,067.92
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	779.98	133.47
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	4,205.44	753.86
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,896.53	852.39
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,200.69	900.69
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,448.04	944.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,751.13	992.35
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,000.01	1,035.72
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,302.63	1,084.01
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,550.45	1,127.38
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,854.61	1,175.68
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	856.87	146.99
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,629.57	830.90
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,557.26	962.66
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,891.78	1,016.11
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,170.94	1,064.63
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,505.46	1,118.01
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,784.62	1,166.62
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,119.14	1,219.98
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,398.30	1,268.52
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,734.37	1,321.96
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	966.76	165.28
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	5,072.85	911.32
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,087.74	1,055.11
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,444.05	1,112.30
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,743.56	1,164.50
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,100.87	1,221.63
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,400.38	1,273.90
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,756.70	1,331.03
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,057.28	1,383.31
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,413.53	1,440.43
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,051.73	180.04
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,730.26	1,022.83
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,640.08	1,151.30
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,016.67	1,212.17
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,339.06	1,268.12
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,716.63	1,329.00
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,039.03	1,384.95
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,415.61	1,445.82
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,738.00	1,501.77
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,115.66	1,562.64
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,139.43	195.36
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	6,230.29	1,112.85
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,212.59	1,251.24
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,610.60	1,315.79
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,954.80	1,375.49
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,352.71	1,440.04
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,694.77	1,499.74
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,094.85	1,564.29
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,439.06	1,623.99
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,830.03	1,688.54
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,229.62	211.07
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	564.64	164.02
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	780.03	246.02
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	983.93	319.83
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,180.87	378.06
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,449.58	479.75
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	1,656.71	553.56
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	114.95	36.90
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	644.78	182.47
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	885.75	270.63
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,113.07	356.73
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,331.91	416.20
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	1,644.18	533.06
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	1,876.81	615.06

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	130.24	44.28
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	860.07	215.27
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,165.37	318.19
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,456.82	420.30
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	1,814.44	524.85
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,140.64	625.73
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	2,454.23	728.24
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	168.17	52.02
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,047.69	239.46
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,356.85	328.04
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	1,798.68	492.05
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,244.34	615.06
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	2,649.37	738.08
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,039.90	861.09
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	207.76	61.51
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,408.51	328.04
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	1,913.49	492.05
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	2,420.90	656.07
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	2,955.50	820.09
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	3,481.05	984.11
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	4,048.56	1,148.11
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	276.38	82.00
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,057.01	492.05
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	2,764.19	738.08
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	3,524.27	984.11
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	4,390.99	1,230.13
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	5,229.00	1,476.15
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	6,044.72	1,722.18
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	411.72	123.02
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,158.37	533.06
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	594.57	65.61
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	322.56	69.71
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	397.32	102.51
		For Each Additional Inch In Height, Add	*49.12*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	467.94	123.02
		For Each Additional Inch In Height, Add	*57.47*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	545.89	143.51
		For Each Additional Inch In Height, Add	*67.09*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	674.52	205.02
		For Each Additional Inch In Height, Add	*78.29*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	492.02	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	258.42	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	285.60	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	317.83	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	277.82	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	306.83	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	342.52	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	305.97	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	331.85	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	367.70	
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)*		
		Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	3,682.40	618.75
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,200.77	706.11
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,776.49	801.37
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,735.30	961.33
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,953.09	1,160.59

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0226		Precast Concrete Inlet Boxes *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0227		Precast Concrete Inlet Boxes *(33 42 31 00-0226)*		
33 42 31 00-0228		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)* Note: Yard inlet.		
33 42 31 00-0229		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	527.68	57.41
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	621.10	69.71
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	714.52	82.00
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	808.95	94.82
33 42 31 00-0234		24" x 24" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	138.52	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	219.62	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	308.95	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	398.27	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	487.57	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	576.89	
33 42 31 00-0241		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0242		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,086.44	160.50
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,224.77	185.58
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,363.11	210.66
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,501.56	235.80
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,640.01	260.94
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,778.47	286.07
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,916.91	311.21
33 42 31 00-0250		22" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	271.83	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	428.86	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	469.55	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	598.73	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	727.92	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	850.07	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	988.40	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,126.74	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,265.19	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,403.64	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,542.10	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,680.54	
33 42 31 00-0263		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0264		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,062.40	176.55
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,201.74	204.14
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,341.08	231.72
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,480.56	259.38
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,620.03	287.03
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,759.51	314.68
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,898.97	342.34
33 42 31 00-0272		30" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	269.90	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	421.01	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	462.77	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	589.48	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	716.17	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	842.07	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	979.20	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,115.53	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,252.67	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,389.01	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,526.14	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,663.28	
33 42 31 00-0285		42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0286		42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0285)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,258.24	192.60
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,421.68	223.90
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,585.13	256.00
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,747.76	287.30
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,911.20	319.40
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,074.64	350.70
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,237.27	382.00
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	296.11	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	471.85	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	514.79	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	657.77	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	800.74	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	943.71	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,097.52	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,251.33	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,405.14	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,558.95	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,712.76	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,866.57	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	717.22	120.38
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	1,737.42	214.01
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	1,948.72	249.18
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,160.02	284.35
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,371.06	319.40
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,582.11	354.45
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,793.16	389.50
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,004.20	424.54
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	293.43	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	455.78	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	663.61	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	871.43	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,065.88	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,273.71	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,485.01	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,696.31	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,907.35	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,118.40	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,329.45	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,540.49	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	779.08	130.41
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	1,964.83	269.64
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,199.47	314.69
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,434.11	359.74
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,668.25	404.55
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,902.40	449.35
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,136.56	494.15
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,370.71	538.96
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	324.31	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	491.31	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	725.75	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	960.17	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,172.12	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,406.54	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,641.19	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,875.83	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,109.97	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,344.12	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,578.27	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,812.43	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	866.82	146.06
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,568.04	363.54
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,872.19	423.73
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,176.36	483.11
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,479.71	543.30
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,783.87	602.69
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,087.23	662.08
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,392.19	722.26
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	443.79	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	664.50	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	963.03	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,261.58	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,536.84	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,835.39	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,139.54	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,443.71	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,747.06	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,051.22	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,354.58	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,658.74	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,170.31	160.50
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy Duty Inlet Grate Note: For type A, B, D, or E inlets.	245.99	37.79
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	306.57	37.79
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	306.57	37.79
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	306.57	37.79
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	334.07	37.79
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	272.16	75.57
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	310.66	75.57
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	386.95	94.48
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	337.45	94.48
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	342.95	94.48
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	353.95	94.48
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	364.95	94.48
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	353.95	94.48
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	364.95	94.48
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	375.95	94.48
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	518.95	94.48
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	540.95	94.48
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	562.95	94.48
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	397.95	94.48
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	364.95	94.48
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	364.95	94.48
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	711.25	94.48
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	711.25	94.48
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	317.84	103.92
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	422.34	103.92
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	422.34	103.92
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	460.84	103.92
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	521.34	103.92

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	455.34	103.92
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	625.84	103.92
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	559.84	103.92
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	731.32	151.16
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	1,127.32	151.16
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	714.82	151.16
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,075.62	151.16
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	1,184.97	226.73
33 42 31 00-0419	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084)	1,272.67	302.32
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	1,358.12	302.32
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	1,358.12	302.32
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	1,220.62	302.32
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	1,220.62	302.32
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	1,402.12	302.32
33 42 31 00-0425		Catch Basin Frames And Covers *(33 42 31 00-0001)*		
33 42 31 00-0426		Cast Iron Frames And Covers *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	319.26	82.00
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	391.11	92.67
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	431.82	95.95
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	482.32	111.53
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	551.20	127.12
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	827.04	132.85
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	468.04	100.88
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	593.98	116.45
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	661.06	121.37
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	631.61	121.37
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	653.83	126.29
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	697.66	131.22
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	821.50	141.06
33 42 31 00-0440		Area Yard Drain *(33 42 31 00-0001)*		
		See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441		Ductile Iron Grates *(33 42 31 00-0440)*		
		Note: Not for traffic loading.		
33 42 31 00-0442	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	109.46	28.96
33 42 31 00-0443	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	132.28	30.89
33 42 31 00-0444	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	294.10	38.62
33 42 31 00-0445	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	351.49	46.34
33 42 31 00-0446		Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*		
33 42 31 00-0447		Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0448	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,312.70	
33 42 31 00-0449	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,688.89	
33 42 31 00-0450	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,038.94	
33 42 31 00-0451	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,362.89	
33 42 31 00-0452	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,660.71	
33 42 31 00-0453	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,932.42	
33 42 31 00-0454	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,350.89	
33 42 31 00-0455	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,240.69	
33 42 31 00-0456	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,063.20	
33 42 31 00-0457	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,820.05	
33 42 31 00-0458	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,552.10	
33 42 31 00-0459	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,227.19	
33 42 31 00-0460	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,845.35	
33 42 31 00-0461		Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0462	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,149.21	
33 42 31 00-0463	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,501.51	
33 42 31 00-0464	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,827.69	
33 42 31 00-0465	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,127.74	
33 42 31 00-0466	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,400.86	
33 42 31 00-0467	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,648.67	
33 42 31 00-0468	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,025.02	
33 42 31 00-0469	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,894.32	
33 42 31 00-0470	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,696.33	
33 42 31 00-0471	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,431.87	
33 42 31 00-0472	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,146.35	
33 42 31 00-0473	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,803.90	
33 42 31 00-0474	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,404.49	
33 42 31 00-0475		Type OL-10 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0476	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,920.12	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0477	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,250.58	
33 42 31 00-0478	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,554.09	
33 42 31 00-0479	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,832.32	
33 42 31 00-0480	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,083.59	
33 42 31 00-0481	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,308.76	
33 42 31 00-0482	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,699.15	
33 42 31 00-0483	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,547.12	
33 42 31 00-0484	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,329.43	
33 42 31 00-0485	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,044.48	
33 42 31 00-0486	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,740.60	
33 42 31 00-0487	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,380.60	
33 42 31 00-0488	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,962.83	
33 42 31 00-0489		Type OL-14 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0490	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,019.06	
33 42 31 00-0491	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,317.43	
33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,589.69	
33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,835.83	
33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,055.84	
33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,249.74	
33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,654.17	
33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,473.02	
33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,225.41	
33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,911.33	
33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,583.35	
33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,197.59	
33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,754.89	
33 42 31 00-0503		Type OL-21 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,249.75	
33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,484.15	
33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,692.45	
33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,874.61	
33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,029.84	
33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,159.76	
33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,522.06	
33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,283.62	
33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,978.70	
33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,607.31	
33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,230.21	
33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,795.33	
33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,303.49	
33 42 31 00-0517		Type GOL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,821.70	
33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,210.75	
33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,569.89	
33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,899.10	
33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,199.24	
33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,470.27	
33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,965.99	
33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,934.29	
33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,827.88	
33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,645.94	
33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,441.98	
33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,173.97	
33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,841.11	
33 42 31 00-0531		Type GOL-10 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,658.21	
33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,022.55	
33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,357.81	
33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,663.96	
33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,940.21	
33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,186.54	
33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,682.26	
33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,628.31	
33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,499.66	
33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,296.29	
33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,073.21	
33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,786.10	
33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,434.95	
33 42 31 00-0545		Type G-1 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,558.20	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,864.21	
33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,148.47	
33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,412.66	
33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,656.73	
33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,879.09	
33 42 31 00-0552		Type G-2 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,148.68	
33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,492.97	
33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,813.38	
33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,109.89	
33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,382.53	
33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,630.46	
33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,915.51	
33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,736.53	
33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,496.40	
33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,195.13	
33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,871.01	
33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,494.52	
33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,064.84	
33 42 31 00-0566		Type G-3 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,689.42	
33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,991.32	
33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,272.30	
33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,533.22	
33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,772.37	
33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,991.45	
33 42 31 00-0573		Type G-4_24 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,083.07	
33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,429.41	
33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,751.87	
33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,049.61	
33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,324.30	
33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,574.29	
33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,887.43	
33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,709.88	
33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,470.37	
33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,169.71	
33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,846.07	
33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,470.08	
33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,041.73	
33 42 31 00-0587		Type G-4_18 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,148.68	
33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,492.97	
33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,813.38	
33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,109.89	
33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,382.53	
33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,630.46	
33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,915.51	
33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,736.53	
33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,496.40	
33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,195.13	
33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,871.01	
33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,494.52	
33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,064.84	
33 42 31 00-0601		Type G-5 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,673.01	
33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,975.23	
33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,257.34	
33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,517.73	
33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,758.02	
33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,977.40	
33 42 31 00-0608		Type G-6 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,705.82	
33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,007.42	
33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,288.09	
33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,547.86	
33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,786.72	
33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,005.50	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0615		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,853.98	
33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,326.10	
33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,799.40	
33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,172.54	
33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,546.02	
33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,887.43	
33 42 31 00-0622		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,460.85	
33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,975.01	
33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,452.37	
33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,893.74	
33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,298.30	
33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,666.88	
33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,583.95	
33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,794.42	
33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,913.46	
33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,941.88	
33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,938.15	
33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,856.01	
33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,695.47	
33 42 31 00-0636		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,837.58	
33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,310.01	
33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,750.40	
33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,157.88	
33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,531.68	
33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,873.39	
33 42 31 00-0643		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,575.66	
33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,086.04	
33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,560.42	
33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,997.99	
33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,399.59	
33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,765.20	
33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,597.99	
33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,808.17	
33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,926.89	
33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,954.18	
33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,950.20	
33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,867.81	
33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,707.04	
33 42 31 00-0657		**Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,033.86	
33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,365.85	
33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,674.58	
33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,960.03	
33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,222.20	
33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,461.94	
33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,761.04	
33 42 31 00-0665	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,557.50	
33 42 31 00-0666	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,293.36	
33 42 31 00-0667	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,970.25	
33 42 31 00-0668	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,626.07	
33 42 31 00-0669	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,229.78	
33 42 31 00-0670	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,783.04	
33 42 31 00-0671		**Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0672	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,657.15	
33 42 31 00-0673	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,093.59	
33 42 31 00-0674	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,499.56	
33 42 31 00-0675	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,875.89	
33 42 31 00-0676	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,220.92	
33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,536.32	
33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,123.32	
33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,149.95	
33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,099.54	
33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,972.96	
33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,818.13	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,597.28	
33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,310.37	

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	566.85	95.95
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	608.58	111.53
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	627.88	111.53
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	688.18	131.22
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	687.54	140.23

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*
See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*
Note: Excludes grates. See CSI section 33 42 36 00-0110 for grates.

33 42 36 00-0003 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	77.46	13.13
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*29.64*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*59.29*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*94.86*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*23.72*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*11.86*	

33 42 36 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	37.74
33 42 36 00-0009	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.95
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.95

33 42 36 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0012	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.92
33 42 36 00-0013	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.92
33 42 36 00-0014	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	278.16
33 42 36 00-0015	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	515.32
33 42 36 00-0016	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29

33 42 36 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*

33 42 36 00-0019	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	105.32	13.13
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	

33 42 36 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*

33 42 36 00-0021	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	40.12
33 42 36 00-0022	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	48.33
33 42 36 00-0023	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	48.33

33 42 36 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*

33 42 36 00-0025	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.92
33 42 36 00-0026	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.92
33 42 36 00-0027	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	278.16
33 42 36 00-0028	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	515.32
33 42 36 00-0029	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29

33 42 36 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0030)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0032	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	131.41	13.13
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	
33 42 36 00-0033		**Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0030)*		
33 42 36 00-0034	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.09	
33 42 36 00-0035	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	67.30	
33 42 36 00-0036	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	67.30	
33 42 36 00-0037		**Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0030)*		
33 42 36 00-0038	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.92	
33 42 36 00-0039	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.92	
33 42 36 00-0040	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	278.16	
33 42 36 00-0041	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	515.32	
33 42 36 00-0042	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 42 36 00-0043		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0003)*		
33 42 36 00-0044		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0043)*		
33 42 36 00-0045	LF	6" Wide, Polymer Concrete, Modular Trench Drain	269.62	
33 42 36 00-0046		**Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0043)*		
33 42 36 00-0047	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	108.31	
33 42 36 00-0048	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	133.11	
33 42 36 00-0049	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	46.31	
33 42 36 00-0050		**12" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0051		**12" Wide, High Density Polyethylene, Modular Trench Drains** *(33 42 36 00-0050)*		
33 42 36 00-0052		**12" Wide, High Density Polyethylene, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	136.87	18.04
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0054		**Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	70.49	
33 42 36 00-0056	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	81.42	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	81.42	
33 42 36 00-0058		**Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0059	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	105.77	
33 42 36 00-0060	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	135.41	
33 42 36 00-0061	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	537.40	
33 42 36 00-0062	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,011.72	
33 42 36 00-0063	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 42 36 00-0064		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0050)*		
33 42 36 00-0065		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0064)*		
33 42 36 00-0066	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	166.52	18.04
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0067		**Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0064)*		
33 42 36 00-0068	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	72.86	
33 42 36 00-0069	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.79	
33 42 36 00-0070	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.79	
33 42 36 00-0071		**Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0064)*		
33 42 36 00-0072	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.77	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0073	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	135.41	
33 42 36 00-0074	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	537.40	
33 42 36 00-0075	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,011.72	
33 42 36 00-0076	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	118.58	
33 42 36 00-0077		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0078		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0079	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	225.81	18.04
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0080		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0081	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	161.79	
33 42 36 00-0082	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.72	
33 42 36 00-0083	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.72	
33 42 36 00-0084		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0085	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	105.77	
33 42 36 00-0086	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	135.41	
33 42 36 00-0087	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	537.40	
33 42 36 00-0088	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,011.72	
33 42 36 00-0089	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	118.58	
33 42 36 00-0090		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0091		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0090)*		
33 42 36 00-0092	LF	12" Wide, Polymer Concrete, Modular Trench Drain	361.58	
33 42 36 00-0093		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0090)*		
33 42 36 00-0094	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	182.74	
33 42 36 00-0095	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	313.64	
33 42 36 00-0096	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	78.70	
33 42 36 00-0097		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0098		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0097)*		
33 42 36 00-0099		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	23" Wide, High Density Polyethylene, Modular Trench Drain	190.41	24.61
		For Acid Resistant Coated Frame, Add	*46.25*	
		For Galvanized Frame Assembly, Add	*46.25*	
		For Type 304 Stainless Steel Top Frame, Add	*284.59*	
33 42 36 00-0101		Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	199.92	
33 42 36 00-0103	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	310.06	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	310.06	
33 42 36 00-0105		Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0106	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	232.12	
33 42 36 00-0107	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,051.14	
33 42 36 00-0108	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,999.78	
33 42 36 00-0109	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 42 36 00-0110		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0111		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0112	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	61.02	2.46
33 42 36 00-0113	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	52.07	2.46
33 42 36 00-0114	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.56	2.46
33 42 36 00-0115	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	47.97	2.46
33 42 36 00-0116	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	51.53	2.46
33 42 36 00-0117	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	52.12	2.46
33 42 36 00-0118	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	52.12	2.46
33 42 36 00-0119	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.53	2.46
33 42 36 00-0120	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	45.60	2.46

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0121	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.60	2.46
33 42 36 00-0122	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	48.33	2.46
33 42 36 00-0123	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	48.33	2.46
33 42 36 00-0124	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.20	2.46
33 42 36 00-0125	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	62.20	2.46
33 42 36 00-0126	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	112.01	2.46
33 42 36 00-0127	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	112.01	2.46
33 42 36 00-0128	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	307.66	2.46
33 42 36 00-0129	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	43.23	2.46
33 42 36 00-0130	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	90.66	2.46
33 42 36 00-0131		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0132	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	164.59	2.66
33 42 36 00-0133	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.48	2.66
33 42 36 00-0134	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	137.32	2.66
33 42 36 00-0135	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	144.14	2.66
33 42 36 00-0136	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.87	2.66
33 42 36 00-0137	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	241.97	2.66
33 42 36 00-0138	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.97	2.66
33 42 36 00-0139	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	308.07	2.66
33 42 36 00-0140	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	308.07	2.66
33 42 36 00-0141	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	392.56	2.66
33 42 36 00-0142	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.56	2.66
33 42 36 00-0143	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.70	2.66
33 42 36 00-0144	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	177.34	2.66
33 42 36 00-0145		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0146	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.68	2.87
33 42 36 00-0147	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	218.36	2.87
33 42 36 00-0148	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	336.94	2.87
33 42 36 00-0149	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	250.38	2.87

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*
Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	12,333.58
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	14,615.96
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	17,073.09
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	17,981.40
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	20,357.62
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	24,403.44
		For Interior Polyurethane Coating, Add	*1,340.10*
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	28,066.34
		For Interior Polyurethane Coating, Add	*1,550.70*
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	36,397.33
		For Interior Polyurethane Coating, Add	*2,057.80*

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	695.84
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	941.03

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	547.37	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	410.61	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	154.18	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,307.36	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,614.71	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,922.13	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	441.54	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	514.48	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,028.96	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,227.24	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	612.49	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	791.33	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,084.15	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,936.63	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,476.83	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,096.81	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,892.30	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	760.16	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	926.55	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,455.36	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	724.83	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	879.83	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,043.94	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.54	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	69.52	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,696.88	511.32
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,921.96	511.32
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,717.72	511.32
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,006.36	511.32
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,954.26	511.32
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,144.95	511.32
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,003.24	511.32
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,290.84	511.32
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,279.72	681.90
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,520.43	681.90
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,343.28	681.90
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,689.24	681.90
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,888.27	681.90
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,128.98	681.90
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,939.33	681.90
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,286.33	681.90

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	15.63
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	29.18
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	239.43
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	285.28

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	347.46	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	318.60	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	298.58	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	279.14	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	158.67	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	139.25	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	128.20	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	117.28	
33 46 23 00-0011		**85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)** *(33 46 23 00-0001)*		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	204.00	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	185.63	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	173.27	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	162.03	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	125.22	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	110.77	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	102.14	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	94.46	
33 46 23 00-0020		**90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)** *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	577.71	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	535.92	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	503.48	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	474.21	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	490.86	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	453.40	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	425.09	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	399.74	
33 46 23 00-0029		**85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)** *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	359.91	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	330.44	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	309.82	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	289.81	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	158.67	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	136.89	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	128.20	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	117.28	
33 46 23 00-0038		**52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)** *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	602.44	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	558.00	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	522.91	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	493.08	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	743.06	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	691.57	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	649.81	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	613.64	

33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*

33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	43.58	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	55.98	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	72.36	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	91.48	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	413.02	

33 46 53 Stormwater Leaching Pits *(33 46)*

33 46 53 00-0001 Drainage Wells *(33 46 53)*

Note: Includes augering hole.

33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	22.71	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	27.49	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	36.35	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

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

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	12.47	2.25
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	14.25	2.48
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	16.02	2.55
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	16.43	2.61
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	16.99	2.64
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	18.03	2.83
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.47	3.32
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.56	4.20
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	40.59	5.07
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	53.86	5.87
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	67.51	7.17
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	97.04	9.23

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	1,372.93
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,176.84
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	1,249.16
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	2,422.01
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	3,724.41

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,601.79
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,628.87
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,669.26
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,708.11
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,735.06
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	1,884.87
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,935.47

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0030		Protective Pipe And Fitting Wrap *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		Corrosion Protection Pipe Wrap For Pipe *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.41	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.56	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.73	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.21	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.48	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.18	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.40	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.06	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	10.28	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	13.81	
33 52 16 13-0042		Corrosion Resistance Wrap And Coat - Fittings *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	16.36	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	16.36	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.06	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.88	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.88	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	27.10	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	36.04	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	51.34	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	52.21	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	60.42	
33 52 16 13-0053		Service Fittings *(33 52 16 13-0001)*		
33 52 16 13-0054		Brass Fittings *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	26.54	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	30.49	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	38.13	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	46.52	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	51.81	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	65.78	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	23.31	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	26.46	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	33.51	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	42.01	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	47.40	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	61.11	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	19.87	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	25.48	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	33.18	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	47.06	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	56.70	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	75.55	
33 52 16 13-0073		Anodless Gas Riser *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodless Gas Riser	67.60	
33 52 16 13-0075	EA	1" Anodless Gas Riser	83.06	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser	96.27	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser	118.10	
33 52 16 13-0078	EA	2" Anodless Gas Riser	134.46	
33 52 16 13-0079		Brass Service Adapter *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	52.81	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	58.11	
33 52 16 13-0082	EA	1" Brass Service Adapter	69.55	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	82.89	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	97.99	
33 52 16 13-0085	EA	2" Brass Service Adapter	116.09	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	191.49	
33 52 16 13-0087	EA	3" Brass Service Adapter	233.55	
33 52 16 13-0088	EA	4" Brass Service Adapter	334.26	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)* Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.07	1.42
		For Colors, Add	*0.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0003	LF	3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.40	1.51
		For DR 13.5 (128 PSI), Deduct	*-0.07*	
		For Colors, Add	*0.04*	
33 52 16 23-0004	LF	1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.73	1.61
		For DR 13.5 (128 PSI), Deduct	*-0.08*	
		For Colors, Add	*0.05*	
33 52 16 23-0005	LF	1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.07	1.72
		For DR 13.5 (128 PSI), Deduct	*-0.10*	
		For Colors, Add	*0.06*	
33 52 16 23-0006	LF	1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.62	2.07
		For DR 13.5 (128 PSI), Deduct	*-0.14*	
		For Colors, Add	*0.09*	
33 52 16 23-0007	LF	2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.16	2.25
		For DR 13.5 (128 PSI), Deduct	*-0.18*	
		For DR 15.5 (110 PSI), Deduct	*-0.34*	
		For Colors, Add	*0.12*	
33 52 16 23-0008	LF	2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.36	2.63
		For DR 13.5 (128 PSI), Deduct	*-0.31*	
		For DR 15.5 (110 PSI), Deduct	*-0.57*	
		For Colors, Add	*0.20*	
33 52 16 23-0009	LF	3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.68	3.13
		For DR 13.5 (128 PSI), Deduct	*-0.42*	
		For DR 15.5 (110 PSI), Deduct	*-0.77*	
		For Colors, Add	*0.27*	
33 52 16 23-0010	LF	4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.07	3.52
		For DR 13.5 (128 PSI), Deduct	*-0.78*	
		For DR 15.5 (110 PSI), Deduct	*-1.43*	
		For Colors, Add	*0.50*	
33 52 16 23-0011	LF	5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.51	3.52
		For DR 13.5 (128 PSI), Deduct	*-1.08*	
		For DR 15.5 (110 PSI), Deduct	*-1.98*	
		For Colors, Add	*0.69*	
33 52 16 23-0012	LF	6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	18.14	3.52
		For DR 13.5 (128 PSI), Deduct	*-1.38*	
		For DR 15.5 (110 PSI), Deduct	*-2.53*	
		For Colors, Add	*0.89*	
33 52 16 23-0013	LF	8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.41	4.40
		For DR 13.5 (128 PSI), Deduct	*-2.29*	
		For DR 15.5 (110 PSI), Deduct	*-4.22*	
		For Colors, Add	*1.48*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	150.47	14.81
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	153.83	14.81
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	161.90	17.58
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	505.51	20.36
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	547.98	31.53
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	1,521.92	70.72
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	2,108.47	93.72

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	391.62	57.94
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	745.04	88.61
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	860.28	88.61
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	1,792.08	110.76
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	2,039.80	136.32
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,615.48	110.76
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,925.86	136.32
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	3,828.68	144.85
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,387.00	170.41
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	8,251.63	281.18
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*
Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	6,624.71	275.84
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	6,925.08	320.33
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	10,707.44	369.69
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	20,732.49	450.06
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	34,546.74	562.57

33 60 Hydronic And Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	872.45
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	962.83
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	962.83
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	1,143.59
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	1,623.74
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	1,879.82
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	731.23
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	1,578.55
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	1,578.55
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	1,787.56
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	2,881.55
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	3,335.09
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	1,800.62
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	2,167.80
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	2,167.80
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	2,492.54
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	3,374.63
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	3,834.95
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	4,879.93
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	4,879.93
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	5,056.93
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	5,392.93
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	6,050.91
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	7,473.37
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	10,179.77

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,111.27
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	1,801.80
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	3,264.39
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	5,735.43
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	8,530.13
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	10,003.77
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	11,477.12

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,090.56
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	1,801.80
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	3,407.49
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	9,418.47
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	8,530.13

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	10,003.77	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	11,477.12	

33 61 13 00-0044 Tee, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	1,729.71	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	2,935.63	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	4,306.51	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	7,378.02	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	10,476.21	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	12,344.55	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	14,171.17	

33 61 13 00-0052 Preinsulated Pipe *(33 61 13)*

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	46.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.54*	
		For Schedule 80 Pipe, Add	*5.38*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.59*	
		For Schedule 80 Pipe, Add	*5.92*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.67*	
		For Schedule 80 Pipe, Add	*6.67*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.72*	
		For Schedule 80 Pipe, Add	*7.16*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.75*	
		For Schedule 80 Pipe, Add	*7.48*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.81*	
		For Schedule 80 Pipe, Add	*8.13*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.88*	
		For Schedule 80 Pipe, Add	*8.78*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	104.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.11*	
		For Schedule 80 Pipe, Add	*11.06*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	131.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.41*	
		For Schedule 80 Pipe, Add	*14.15*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	153.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.64*	
		For Schedule 80 Pipe, Add	*16.43*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	205.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.39*	
		For Schedule 80 Pipe, Add	*23.91*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	259.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.16*	
		For Schedule 80 Pipe, Add	*31.55*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	322.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.94*	
		For Schedule 80 Pipe, Add	*39.36*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.59*	
		For Schedule 80 Pipe, Add	*5.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
		For Schedule 80 Pipe, Add	*6.51*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	
		For Schedule 80 Pipe, Add	*7.33*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.79*	
		For Schedule 80 Pipe, Add	*7.87*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.82*	
		For Schedule 80 Pipe, Add	*8.23*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.89*	
		For Schedule 80 Pipe, Add	*8.94*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	87.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.97*	
		For Schedule 80 Pipe, Add	*9.66*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	110.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.22*	
		For Schedule 80 Pipe, Add	*12.16*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	138.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.56*	
		For Schedule 80 Pipe, Add	*15.56*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	161.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.81*	
		For Schedule 80 Pipe, Add	*18.07*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.63*	
		For Schedule 80 Pipe, Add	*26.30*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	275.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.47*	
		For Schedule 80 Pipe, Add	*34.71*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.33*	
		For Schedule 80 Pipe, Add	*43.29*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.62*	
		For Schedule 80 Pipe, Add	*6.19*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
		For Schedule 80 Pipe, Add	*6.81*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.77*	
		For Schedule 80 Pipe, Add	*7.67*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.82*	
		For Schedule 80 Pipe, Add	*8.23*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.86*	
		For Schedule 80 Pipe, Add	*8.60*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.94*	
		For Schedule 80 Pipe, Add	*9.35*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.01*	
		For Schedule 80 Pipe, Add	*10.10*	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.27*	
		For Schedule 80 Pipe, Add	*12.72*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	142.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.63*	
		For Schedule 80 Pipe, Add	*16.27*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	165.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.89*	
		For Schedule 80 Pipe, Add	*18.89*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	223.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.75*	
		For Schedule 80 Pipe, Add	*27.49*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	283.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.63*	
		For Schedule 80 Pipe, Add	*36.28*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.53*	
		For Schedule 80 Pipe, Add	*45.26*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.66*	
		For Schedule 80 Pipe, Add	*6.59*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	
		For Schedule 80 Pipe, Add	*7.25*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.82*	
		For Schedule 80 Pipe, Add	*8.17*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.88*	
		For Schedule 80 Pipe, Add	*8.77*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.92*	
		For Schedule 80 Pipe, Add	*9.16*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	81.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.00*	
		For Schedule 80 Pipe, Add	*9.96*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.08*	
		For Schedule 80 Pipe, Add	*10.76*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	117.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.35*	
		For Schedule 80 Pipe, Add	*13.55*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	147.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.73*	
		For Schedule 80 Pipe, Add	*17.33*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	171.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.01*	
		For Schedule 80 Pipe, Add	*20.12*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	232.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.93*	
		For Schedule 80 Pipe, Add	*29.29*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.87*	
		For Schedule 80 Pipe, Add	*38.65*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.82*	
		For Schedule 80 Pipe, Add	*48.21*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	369.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	383.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.66*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.44*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	496.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.03*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.32*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	698.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.61*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	812.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.78*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	947.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.25*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,124.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.17*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,237.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.96*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,734.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.63*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,339.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.65*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,978.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.59*	

33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	390.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.94*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	404.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.08*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	464.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	522.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.55*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	611.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.87*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.18*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	845.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.44*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	986.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.01*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,174.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.16*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,293.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.08*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,815.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.25*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,442.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.72*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,115.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0140		**Elbows** *(33 61 13 00-0111)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	411.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.36*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	425.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.51*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	489.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.41*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	549.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.08*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.42*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	755.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.75*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	877.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.10*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,024.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,223.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.15*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,349.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.21*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,896.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.87*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,546.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.79*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,252.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.08*	
33 61 13 00-0154		**Elbows** *(33 61 13 00-0111)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	431.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.77*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	447.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.93*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	513.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.89*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	575.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.61*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	665.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.97*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	784.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.32*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	910.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.76*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,062.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.55*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,272.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.14*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,405.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.33*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,977.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.50*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,650.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.87*	
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,389.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.83*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0168		Tees *(33 61 13 00-0110)*		
33 61 13 00-0169		Tees *(33 61 13 00-0168)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	550.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.21*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	570.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.40*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	656.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.56*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	739.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.43*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	869.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.87*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,042.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.30*	
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,211.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.04*	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,413.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.22*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,679.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.56*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,845.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.22*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,584.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.12*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,489.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*41.06*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,439.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*54.34*	
33 61 13 00-0183		Tees *(33 61 13 00-0168)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	581.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.83*	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	602.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.03*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	692.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.28*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	778.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.22*	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	910.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.68*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,084.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.15*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,260.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.02*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,470.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.36*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,753.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.03*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,928.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.89*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,704.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.53*	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,643.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,643.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*58.41*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	612.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.44*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	633.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.67*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.00*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	817.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.00*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	951.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,126.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.00*	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,309.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.00*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,528.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.50*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,826.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.50*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,012.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.55*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,825.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.94*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,797.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*47.21*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,847.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*62.49*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	642.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.06*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	665.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.30*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	763.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.72*	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	856.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.78*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	991.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.31*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,169.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.85*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,358.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.98*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,585.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.64*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,899.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.96*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,095.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.22*	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,945.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,951.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*50.29*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,051.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*66.57*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	313.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.59*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	325.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.70*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	374.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.35*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.83*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	499.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.07*	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	609.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.32*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	703.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.29*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	816.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.50*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	966.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.93*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,061.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.42*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,485.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.95*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,008.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.95*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,550.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.37*	

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	330.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.93*	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.05*	
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	394.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	444.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.27*	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	522.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.53*	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	633.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.79*	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	730.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.84*	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	848.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.14*	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,007.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,107.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.35*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,552.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.30*	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,094.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.67*	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,664.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.65*	

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.28*	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	360.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.40*	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	414.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.15*	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	465.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.71*	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	545.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.99*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	656.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.26*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	757.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.38*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	880.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.78*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,048.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.57*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,154.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.28*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,620.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.65*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,180.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.39*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,778.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.93*	

33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.62*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	378.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	434.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.55*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.14*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	567.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.44*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	680.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.74*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	785.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.93*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	912.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.42*	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,089.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.39*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,201.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.21*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,687.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.99*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,266.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.11*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,892.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.21*	

33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	36.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.32*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	39.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.36*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.40*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.45*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	83.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.66*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	103.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.85*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.99*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	158.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	197.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	244.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.37*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	38.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.36*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.39*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.44*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0306		LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	107.89	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.94*	
33 61 13 00-0307		LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	125.90	
			For High Density Polyethylene (HDPE) Jacket, Add	*1.09*	
33 61 13 00-0308		LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	165.55	
			For High Density Polyethylene (HDPE) Jacket, Add	*1.58*	
33 61 13 00-0309		LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	207.26	
			For High Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0310		LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.82	
			For High Density Polyethylene (HDPE) Jacket, Add	*2.60*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312		LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	38.81	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.37*	
33 61 13 00-0313		LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.28	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.41*	
33 61 13 00-0314		LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	46.20	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.46*	
33 61 13 00-0315		LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.19	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0316		LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.82	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0317		LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.20	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.56*	
33 61 13 00-0318		LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.53	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0319		LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	88.12	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.76*	
33 61 13 00-0320		LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	110.02	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.98*	
33 61 13 00-0321		LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	128.37	
			For High Density Polyethylene (HDPE) Jacket, Add	*1.14*	
33 61 13 00-0322		LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	169.14	
			For High Density Polyethylene (HDPE) Jacket, Add	*1.65*	
33 61 13 00-0323		LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	212.00	
			For High Density Polyethylene (HDPE) Jacket, Add	*2.18*	
33 61 13 00-0324		LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.73	
			For High Density Polyethylene (HDPE) Jacket, Add	*2.72*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326		LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	40.03	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.40*	
33 61 13 00-0327		LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.61	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.44*	
33 61 13 00-0328		LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.71	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0329		LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.80	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0330		LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.51	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.55*	
33 61 13 00-0331		LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.03	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0332		LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.51	
			For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	90.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.81*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.04*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	132.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.21*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	174.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.76*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	219.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.32*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.90*	

33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

33 61 13 00-0341 Elbows *(33 61 13 00-0340)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.69*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	276.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.77*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.30*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	360.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.69*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	433.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	617.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.86*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	720.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	844.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.79*	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	924.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,289.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.43*	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,753.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.44*	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,218.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.40*	

33 61 13 00-0355 Elbows *(33 61 13 00-0340)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	279.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.96*	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	290.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.06*	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.62*	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	378.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.04*	
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	451.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.25*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		549.64	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.46*	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		639.11	
		For High Density Polyethylene (HDPE) Jacket, Add		*6.30*	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		745.89	
		For High Density Polyethylene (HDPE) Jacket, Add		*7.35*	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		877.44	
		For High Density Polyethylene (HDPE) Jacket, Add		*9.44*	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		961.79	
		For High Density Polyethylene (HDPE) Jacket, Add		*10.73*	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,343.33	
		For High Density Polyethylene (HDPE) Jacket, Add		*15.51*	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,822.86	
		For High Density Polyethylene (HDPE) Jacket, Add		*19.82*	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,310.42	
		For High Density Polyethylene (HDPE) Jacket, Add		*26.23*	

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		293.14	
		For High Density Polyethylene (HDPE) Jacket, Add		*4.24*	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		304.41	
		For High Density Polyethylene (HDPE) Jacket, Add		*4.34*	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		350.23	
		For High Density Polyethylene (HDPE) Jacket, Add		*4.94*	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		395.63	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.39*	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		469.97	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.61*	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		568.67	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.84*	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		661.08	
		For High Density Polyethylene (HDPE) Jacket, Add		*6.74*	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		771.52	
		For High Density Polyethylene (HDPE) Jacket, Add		*7.86*	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		910.38	
		For High Density Polyethylene (HDPE) Jacket, Add		*10.10*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		999.42	
		For High Density Polyethylene (HDPE) Jacket, Add		*11.48*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,397.30	
		For High Density Polyethylene (HDPE) Jacket, Add		*16.59*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,891.65	
		For High Density Polyethylene (HDPE) Jacket, Add		*21.20*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,402.19	
		For High Density Polyethylene (HDPE) Jacket, Add		*28.06*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		306.97	
		For High Density Polyethylene (HDPE) Jacket, Add		*4.52*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		318.57	
		For High Density Polyethylene (HDPE) Jacket, Add		*4.62*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		366.34	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.26*	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		413.20	
		For High Density Polyethylene (HDPE) Jacket, Add		*5.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	488.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	587.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.22*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	683.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.17*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	797.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.37*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	943.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.76*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,036.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,451.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.67*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,960.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.59*	
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,493.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.90*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	395.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.48*	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	411.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.38*	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	537.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	646.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	791.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.54*	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	921.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.70*	
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,075.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.15*	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,262.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.05*	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,379.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.82*	
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,921.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.42*	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,618.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.38*	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,310.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.24*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	415.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.89*	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	432.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.03*	
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	497.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.86*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	563.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.48*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	673.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	819.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.10*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	953.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.35*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,113.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.91*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,311.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.03*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,435.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.93*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,002.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.03*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,720.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.44*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,445.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*38.96*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	436.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.30*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	453.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.45*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	521.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.34*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	589.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.00*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	700.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	848.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.67*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	986.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.00*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,151.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.67*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,360.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.00*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,491.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,081.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.64*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,821.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.49*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,584.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*41.68*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	457.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.71*	
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	474.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	545.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.81*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	615.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.52*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	876.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.23*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,019.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.65*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,189.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.43*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,409.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.98*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,546.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.15*	
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,162.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,924.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.54*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,719.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.39*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	226.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.06*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.13*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.57*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.89*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	372.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	466.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.21*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	537.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.86*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	624.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.67*	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	729.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.29*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	797.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.28*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,109.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.97*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,514.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.30*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,910.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.26*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	237.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.29*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	247.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.37*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.83*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	322.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.18*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	388.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	481.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.53*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.23*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	645.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.10*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	756.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.84*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	828.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.90*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,154.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.87*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,571.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,986.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.77*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	249.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.52*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	258.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.60*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	297.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.10*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	337.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.47*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	497.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.85*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	574.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.59*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	666.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.52*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	784.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.39*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	859.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.52*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,199.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.77*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,628.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.60*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,062.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.29*	

33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	260.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.75*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	270.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.84*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	311.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.37*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	351.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.76*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	513.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.16*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	592.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.96*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	687.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	811.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.93*	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	890.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.15*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,244.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.67*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,686.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.75*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,138.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.81*	

33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	114.79
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	167.60
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	223.57
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	282.17
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	349.99

33 61 13 00-0518 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	121.31
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	177.29
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	237.67
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	300.77
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	373.20
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	407.45
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	457.09
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	512.20
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	562.15
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	661.47

33 61 13 00-0529 Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*

33 61 13 00-0530 Elbows *(33 61 13 00-0529)*

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0531		Elbows *(33 61 13 00-0530)*			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,012.87	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,332.49	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,872.18	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		2,514.80	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		3,210.77	
33 61 13 00-0537		Elbows *(33 61 13 00-0530)*			
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,093.44	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,450.15	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		2,042.28	
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		2,732.22	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		3,498.53	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		4,249.45	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		5,010.75	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		6,250.28	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		7,938.40	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		10,333.14	
33 61 13 00-0548		Tees *(33 61 13 00-0529)*			
33 61 13 00-0549		Tees *(33 61 13 00-0548)*			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,510.64	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,986.77	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		2,788.77	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		3,750.51	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		4,785.22	
33 61 13 00-0555		Tees *(33 61 13 00-0548)*			
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		1,630.29	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		2,161.50	
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		3,041.37	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		4,073.38	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		5,212.55	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		6,197.44	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		7,310.01	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		9,119.74	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		11,589.61	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		15,083.64	
33 61 13 00-0566		Reducers *(33 61 13 00-0529)*			
33 61 13 00-0567		Reducers *(33 61 13 00-0566)*			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket		870.96	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,140.38	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,599.78	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,154.66	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,743.60	

33 61 13 00-0573 Reducers *(33 61 13 00-0566)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	937.84	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,238.04	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,740.96	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,335.11	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,982.44	
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,541.98	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,172.02	
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,168.77	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,614.52	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,632.41	

33 61 13 00-0584 Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*

33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	50.79	17.97
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	62.02	20.37
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	81.32	22.11
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	107.78	27.64
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	137.08	34.09

33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	37.51	20.37
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	39.76	20.37
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	41.86	20.37
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	50.30	24.07
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	61.67	30.56

33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	37.51	20.37
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	39.76	20.37
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	41.86	20.37
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	50.30	24.07
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	61.67	30.56

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission And Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes *(33 71 19)*

33 71 19 00-0002 Electrical Pull Boxes *(33 71 19 00-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 00-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,571.93	
33 71 19 00-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,881.39	
33 71 19 00-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,176.96	
33 71 19 00-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,378.80	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,602.69	
33 71 19 00-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,874.01	
33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,456.64	

33 71 19 00-0010 Electrical Pull Boxes (CALTRANS) *(33 71 19 00-0001)*

33 71 19 00-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	94.76	
33 71 19 00-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	34.30	
33 71 19 00-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	54.35	
33 71 19 00-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	107.12	
33 71 19 00-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	161.83	
		For Galvanized Steel Cover, Add	*26.49*	
33 71 19 00-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	45.93	
33 71 19 00-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	45.93	
33 71 19 00-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box	136.81	
33 71 19 00-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	44.66	
33 71 19 00-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	64.71	
33 71 19 00-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	212.34	
		For Galvanized Steel Cover, Add	*48.56*	
33 71 19 00-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	62.12	
33 71 19 00-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	58.55	
33 71 19 00-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box	147.17	
33 71 19 00-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	58.58	
33 71 19 00-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	78.63	
33 71 19 00-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	288.75	
		For Galvanized Steel Cover, Add	*67.99*	
33 71 19 00-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	72.48	
33 71 19 00-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	68.59	
33 71 19 00-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	91.90	
33 71 19 00-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	189.62	
33 71 19 00-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	253.78	
33 71 19 00-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	85.43	
33 71 19 00-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	78.95	
33 71 19 00-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	250.77	
33 71 19 00-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	363.86	
33 71 19 00-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	100.97	
33 71 19 00-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	98.38	
33 71 19 00-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	345.31	
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	506.31	
33 71 19 00-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	165.72	
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	130.75	

33 71 19 00-0043 Electrical Property Line Boxes *(33 71 19)*

33 71 19 00-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	3,100.31	320.58
33 71 19 00-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	3,626.30	332.45
33 71 19 00-0046	EA	6' x 4' x 5' Deep Property Line Box	3,993.92	403.69
33 71 19 00-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	6,105.69	593.66

33 71 19 00-0048 Underground Electrical Concrete Markers *(33 71 19)*

33 71 19 00-0049	EA	36" x 6" x 6", Underground Electric Concrete Marker	277.90	

33 71 19 00-0050 Manhole Accessories *(33 71 19)*

33 71 19 00-0051	EA	6" Precast Grade Ring Riser Casting	409.53	
33 71 19 00-0052	EA	12" Precast Grade Ring Riser Casting	443.48	
33 71 19 00-0053	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D	1,302.14	
33 71 19 00-0054	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,693.43	
33 71 19 00-0055	EA	Cast Iron Adjusting Ring NEENAH #R-1979	575.65	
33 71 19 00-0056	EA	Cast Iron Frame And Cover NEENAH #R-1640-B	721.54	

END OF SECTION 33

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 Traffic Signals *(34 41 13)*

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	4,866.16	609.09

34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	326.36	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	407.29	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	457.00	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	399.75	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	693.67	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	856.04	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	907.18	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,136.62	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,212.11	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,311.21	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,403.46	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	5.81	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	2.71	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	165.04	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	447.93	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	281.95	

34 41 13 00-0020 Overhead Traffic Signals *(34 41 13)*

34 41 13 00-0021	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	3,841.08	812.11
34 41 13 00-0022	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	3,947.24	812.11
34 41 13 00-0023	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	4,090.88	812.11
34 41 13 00-0024	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	730.37	182.99
34 41 13 00-0025	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	792.83	182.99
34 41 13 00-0026	EA	Optical Detector For Mast Arm Mounting, 2 Channel	997.66	182.99
34 41 13 00-0027	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	730.37	182.99
34 41 13 00-0028	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	792.83	182.99
34 41 13 00-0029	EA	Optical Detector For Pole-Side Mounting, 2 Channel	997.66	182.99
34 41 13 00-0030	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	730.37	182.99
34 41 13 00-0031	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	792.83	182.99
34 41 13 00-0032	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	997.66	182.99
34 41 13 00-0033	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	730.37	182.99
34 41 13 00-0034	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	792.83	182.99
34 41 13 00-0035	EA	Optical Detector For Span Wire Mounting, 2 Channel	997.66	182.99
34 41 13 00-0036	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	730.37	182.99
34 41 13 00-0037	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	792.83	182.99
34 41 13 00-0038	EA	Optical Detector For Signal Top Mounting, 2 Channel	997.66	182.99
34 41 13 00-0039	EA	Phase Selector, 2 Channel	2,137.83	22.88
34 41 13 00-0040	EA	Phase Selector, 4 Channel	3,318.13	22.88
34 41 13 00-0041	EA	Malfunction Management Unit For Use With NEMA Controller	1,090.70	45.75
34 41 13 00-0042	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller	1,090.70	45.75
34 41 13 00-0043	EA	Time Switch, 1-Circuit	304.05	27.45

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	220.22	11.43
34 41 13 00-0045	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	286.42	11.43
34 41 13 00-0046	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	405.07	11.43
34 41 13 00-0047	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	507.49	11.43
34 41 13 00-0048	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	1,369.30	11.43
34 41 13 00-0049	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	1,369.30	11.43
34 41 13 00-0050	EA	Power Line Surge Protector	129.13	6.86
34 41 13 00-0051	EA	Loop Detector Surge Protector	67.25	6.86
34 41 13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	8,560.12	1,142.04
34 41 13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	9,272.05	1,142.04
34 41 13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	10,127.62	1,142.04
34 41 13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	10,389.90	1,142.04
34 41 13 00-0056	EA	Speed Limit Beacon Control Option	3,731.59	304.54
34 41 13 00-0057	EA	Speed Limit Beacon Control Cabinet	4,340.68	609.09
34 41 13 00-0058	EA	Remote Detector Cabinet	2,404.73	609.09
34 41 13 00-0059	EA	Traffic Signal Hand Control	640.18	101.51
34 41 13 00-0060	EA	Load Switch	62.44	6.86
34 41 13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly	515.28	101.51
34 41 13 00-0062	EA	Fiber Optic Transceivers-Repeater Module	786.60	182.99
34 41 13 00-0063	EA	Field Transceiver-Repeater	366.00	45.75
34 41 13 00-0064	EA	30" Pedestal With Base Plate And Cover	550.19	92.01
34 41 13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal)	640.98	96.19
34 41 13 00-0066	EA	8' Pedestal With Base Plate And Cover	798.43	107.90
34 41 13 00-0067	EA	11' Pedestal With Base Plate And Cover	887.59	117.10
34 41 13 00-0068	EA	15' Pedestal With Base Plate And Cover	989.74	139.70
34 41 13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.10	
34 41 13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.18	
34 41 13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.35	
34 41 13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.54	
34 41 13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.72	
34 41 13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.02	
34 41 13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.30	
34 41 13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.82	
34 41 13 00-0077	LF	3/16" Diameter Messenger Cable	0.53	0.08
34 41 13 00-0078	LF	1/4" Diameter Messenger Cable	0.63	0.08
34 41 13 00-0079	LF	3/8" Diameter Messenger Cable	1.18	0.08
34 41 13 00-0080	LF	1/2" Diameter Messenger Cable	2.43	0.17
34 41 13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	2,245.47	
34 41 13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	3,578.51	
34 41 13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	1,705.02	203.03
34 41 13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	2,106.29	253.79
34 41 13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	2,307.73	304.54
34 41 13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	2,609.08	355.30
34 41 13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	2,810.51	406.06
34 41 13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	2,649.26	203.03
34 41 13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	3,265.36	253.79
34 41 13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	3,536.75	304.54
34 41 13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	3,958.00	355.30
34 41 13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	4,259.35	406.06
34 41 13 00-0093	EA	Photoelectric Controller, Multi-Volt	66.32	23.79
34 41 13 00-0094	EA	Photoelectric Controller, 120 Volt	78.85	23.79
34 41 13 00-0095	EA	Photoelectric Controller, 480 Volt	78.85	23.79
34 41 13 00-0096	EA	Wi-Fi Communication Unit	888.73	101.51
34 41 13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket	214.72	76.14
34 41 13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector	187.69	50.76
34 41 13 00-0099	EA	Wi-Fi Communication Unit Packet	1,595.69	152.27
34 41 13 00-0100	LF	Preemptor Detector Cable	1.76	
34 41 13 00-0101	EA	Sno-Shoe Cable Storage Assembly	169.94	
34 41 13 00-0102	EA	16' Pedestal With Base Plate And Cover	1,041.79	139.70
34 41 13 00-0103	EA	Vehicle Signal Face, LED, 1 - 12" Section	385.02	129.43
34 41 13 00-0104	EA	Vehicle Signal Face, LED, 2 - 12" Sections	614.00	182.73
34 41 13 00-0105	EA	Vehicle Signal Face, LED, 3 - 12" Sections	846.34	223.33
34 41 13 00-0106	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	808.87	223.33
34 41 13 00-0107	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,059.47	248.71
34 41 13 00-0108	EA	Vehicle Signal Face, LED, 5 - 12" Sections	1,252.29	263.94
34 41 13 00-0109	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	1,324.73	263.94
34 41 13 00-0110	EA	Vehicle Signal Face, LED, 1 - 8" Section	366.28	129.43
34 41 13 00-0111	EA	Vehicle Signal Face, LED, 2 - 8" Sections	576.53	182.73
34 41 13 00-0112	EA	Vehicle Signal Face, LED, 3 - 8" Sections	755.16	223.33
34 41 13 00-0113	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	801.38	223.33
34 41 13 00-0114	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	979.53	248.71
34 41 13 00-0115	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	953.30	248.71
34 41 13 00-0116	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,114.90	263.94
34 41 13 00-0117	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,173.60	263.94
34 41 13 00-0118	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	1,620.72	223.33
34 41 13 00-0119	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	2,099.89	248.71
34 41 13 00-0120	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	2,713.62	263.94
34 41 13 00-0121	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	2,932.19	263.94
34 41 13 00-0122	EA	Bracket Signal Mounting Assembly	360.40	101.51

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0123	EA	Mast Arm Signal Mounting Assembly	648.37	203.03
34 41 13 00-0124	EA	Top Pole Signal Mounting Assembly	229.71	76.14
34 41 13 00-0125	EA	Pedestrian Signal Head	641.77	152.27
34 41 13 00-0126	EA	Pedestrian Signal Insert	388.33	76.14
34 41 13 00-0127	EA	Audible Pedestrian Signal	926.68	
34 41 13 00-0128	EA	Junction Box, Pole Or Post Mounted	370.02	
34 41 13 00-0129	EA	Pedestrian Push Button	342.19	
34 41 13 00-0130	EA	Illuminated Sign, Bracket Mounted, Symbolic	2,625.33	
34 41 13 00-0131	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	2,746.33	
34 41 13 00-0132	EA	Sign, Message, "BLANK OUT", Bracket Mounted	2,881.09	
34 41 13 00-0133	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	3,067.66	
34 41 13 00-0134	EA	Sign, Fiber Optic, Bracket Mounted	3,268.75	
34 41 13 00-0135	EA	Sign, Fiber Optic, Mast Arm Mounted	3,459.28	
34 41 13 00-0136	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	4,936.97	
34 41 13 00-0137	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	5,717.20	
34 41 13 00-0138	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	2,797.52	
34 41 13 00-0139	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	3,098.76	
34 41 13 00-0140	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	3,214.24	
34 41 13 00-0141	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,214.24	
34 41 13 00-0142	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,274.87	
34 41 13 00-0143	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,578.01	
34 41 13 00-0144	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,647.71	
34 41 13 00-0145	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	3,790.64	
34 41 13 00-0146	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	4,015.75	
34 41 13 00-0147	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	2,974.73	
34 41 13 00-0148	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	5,253.28	
34 41 13 00-0149	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	5,885.89	
34 41 13 00-0150	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	6,128.40	
34 41 13 00-0151	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	6,128.40	
34 41 13 00-0152	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	6,892.27	
34 41 13 00-0153	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	7,185.10	
34 41 13 00-0154	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	7,492.55	
34 41 13 00-0155	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	7,976.82	
34 41 13 00-0156	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,104.16	
34 41 13 00-0157	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	6,842.21	
34 41 13 00-0158	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,125.13	
34 41 13 00-0159	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,125.13	
34 41 13 00-0160	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,016.32	
34 41 13 00-0161	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,357.95	
34 41 13 00-0162	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	8,716.65	
34 41 13 00-0163	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,281.61	
34 41 13 00-0164	EA	15' Steel Straight Mast Arm, MONOTUBE	2,075.31	
34 41 13 00-0165	EA	20' Steel Straight Mast Arm, MONOTUBE	2,180.74	
34 41 13 00-0166	EA	25' Steel Straight Mast Arm, MONOTUBE	2,330.31	
34 41 13 00-0167	EA	30' Steel Straight Mast Arm, MONOTUBE	3,114.88	
34 41 13 00-0168	EA	35' Steel Straight Mast Arm, MONOTUBE	3,736.77	
34 41 13 00-0169	EA	40' Steel Straight Mast Arm, MONOTUBE	4,007.58	
34 41 13 00-0170	EA	45' Steel Straight Mast Arm, MONOTUBE	4,412.23	
34 41 13 00-0171	EA	50' Steel Straight Mast Arm, MONOTUBE	5,007.28	
34 41 13 00-0172	EA	55' Steel Straight Mast Arm, MONOTUBE	5,713.19	
34 41 13 00-0173	EA	60' Steel Straight Mast Arm, MONOTUBE	6,188.58	
34 41 13 00-0174	EA	65' Steel Straight Mast Arm, MONOTUBE	7,175.95	
34 41 13 00-0175	EA	4' Steel Curved Luminaire Mast Arm	715.63	
		For High Rise Arm, Add	*56.33*	
		For High Rise Straight Arm, Add	*45.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0176	EA	6' Steel Curved Luminaire Mast Arm	928.44	
		For High Rise Arm, Add	*75.31*	
		For High Rise Straight Arm, Add	*60.25*	
34 41 13 00-0177	EA	8' Steel Curved Luminaire Mast Arm	1,161.55	
		For High Rise Arm, Add	*94.29*	
		For High Rise Straight Arm, Add	*75.43*	
34 41 13 00-0178	EA	10' Steel Curved Luminaire Mast Arm	1,609.38	
		For High Rise Arm, Add	*110.86*	
		For High Rise Straight Arm, Add	*88.69*	
34 41 13 00-0179	EA	12' Steel Curved Luminaire Mast Arm	1,770.01	
		For High Rise Arm, Add	*130.74*	
		For High Rise Straight Arm, Add	*104.59*	
34 41 13 00-0180	EA	15' Steel Curved Luminaire Mast Arm	1,842.35	
		For High Rise Arm, Add	*145.80*	
		For High Rise Straight Arm, Add	*116.64*	
34 41 13 00-0181	EA	20' Steel Curved Luminaire Mast Arm	2,086.35	
		For High Rise Arm, Add	*174.12*	
34 41 13 00-0182	EA	15' Tubular Aluminum Post	760.47	
34 41 13 00-0183	EA	17' Tubular Aluminum Post	812.02	
34 41 13 00-0184	EA	20' Tubular Aluminum Post	904.92	
34 41 13 00-0185	EA	CUT-OFF POLE AND CAPPED	138.89	
34 41 13 00-0186	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	41.28	
34 41 13 00-0187	EA	PAINT EXISTING TS POST COMPLETE	196.88	
34 41 13 00-0188	EA	1 Channel Loop Detector Amp	1,096.30	
34 41 13 00-0189	EA	4 Channel Loop Detector Amp	2,055.32	
34 41 13 00-0190	EA	FLASHING BEACON WITH DOWNLIGHT	1,609.99	
34 41 13 00-0191	EA	Flashing Beacon, Bracket Mounted	573.98	
34 41 13 00-0192	EA	Flashing Beacon, Mast Arm Mounted	573.98	
34 41 13 00-0193	EA	Flashing Beacon, Solar Powered, Bracket Mounted	13,960.98	
34 41 13 00-0194	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	2,299.06	
34 41 13 00-0195	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	1,244.79	
34 41 13 00-0196	EA	Smart Sensor HD (Wavetronix HD125)	6,530.74	
34 41 13 00-0197	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	3,031.60	
34 41 13 00-0198	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	5,230.80	
34 41 13 00-0199	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	196.51	
34 41 13 00-0200	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,389.84	
34 41 13 00-0201	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	638.71	
34 41 13 00-0202	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	1,607.04	
34 41 13 00-0203	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	4,482.31	1.34
34 41 13 00-0204	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	5,837.50	1.34
34 41 13 00-0205	EA	Pole Base Foundation for Type 15 and 21 Poles	3,516.01	1.34
34 41 13 00-0206	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	4,482.31	1.34
34 41 13 00-0207	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	5,837.50	1.34
34 41 13 00-0208	EA	Service Equipment Enclosure, Type III-AF	843.43	
34 41 13 00-0209	EA	12", 3 Section Signal, Mast Arm Mounted	1,143.97	
34 41 13 00-0210	EA	8", 3 Section Signal, Mast Arm Mounted	1,022.01	
34 41 13 00-0211	EA	12" FCV Visor	62.32	
34 41 13 00-0212	EA	8" FCV Visor	45.67	
34 41 13 00-0213	EA	Eggcrate Visor	60.26	
34 41 13 00-0214	EA	Pedestrian H/M	717.54	
34 41 13 00-0215	EA	Pedestrian Audio	778.91	
34 41 13 00-0216	EA	Adjustable Pushbutton	207.94	
34 41 13 00-0217	EA	ADA Cap And Switch	253.79	
34 41 13 00-0218	EA	3 Section 12" Backplate	102.85	
34 41 13 00-0219	EA	3 Section 12" MAS Mount Backplate	151.79	
34 41 13 00-0220	EA	3 Section 8" Backplate	83.81	
34 41 13 00-0221	EA	12" Red LED Lenses	172.74	
34 41 13 00-0222	EA	12" Amber LED Lenses	184.20	
34 41 13 00-0223	EA	12" Green LED Lenses	309.94	
34 41 13 00-0224	EA	12" Red Arrow	171.81	
34 41 13 00-0225	EA	12" Amber Arrow	163.42	
34 41 13 00-0226	EA	12" Green Arrow	236.97	
34 41 13 00-0227	EA	8" Red	170.11	
34 41 13 00-0228	EA	8" Amber	163.91	
34 41 13 00-0229	EA	8" Green	194.50	
34 41 13 00-0230	EA	Hand/Man	291.01	
34 41 13 00-0231	EA	Frameworks, 8" TV-1-T	355.39	
34 41 13 00-0232	EA	Frameworks, 8" TV-2-T	399.91	
34 41 13 00-0233	EA	Frameworks, MAT MT	108.62	
34 41 13 00-0234	EA	Frameworks, MAS MT	117.52	
34 41 13 00-0235	EA	Frameworks, 3W PT TC	270.78	
34 41 13 00-0236	EA	Frameworks, 2W PT TC	235.69	
34 41 13 00-0237	EA	Frameworks, 2W SM TC	223.81	
34 41 13 00-0238	EA	Frameworks, SV-1	150.31	
34 41 13 00-0239	EA	Frameworks, TV-1	145.85	
34 41 13 00-0240	EA	Type III Service Pedestal	2,693.99	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0241	EA	Single Fuse Holder	28.82	
34 41 13 00-0242	EA	Double Fuse Holder	66.20	
34 41 13 00-0243	EA	Pullbox, 1-1/2" x 20" x 14"	66.98	
34 41 13 00-0244	EA	Pullbox, 5" x 28" x 18"	89.19	
34 41 13 00-0245	EA	Pullbox, 6" x 36" x 23"	115.51	
34 41 13 00-0246	EA	Pullbox Lids, FL9D	65.79	
34 41 13 00-0247	EA	Pullbox Lids, FL30D	120.27	
34 41 13 00-0248	EA	Pullbox Lids, FL36D	31.87	
34 41 13 00-0249	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,152.17	83.64
34 41 13 00-0250	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	3,388.44	501.89
34 41 13 00-0251	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	11,239.91	334.59
34 41 13 00-0252	EA	Power Control Unit With Enclosure (A/C)	7,265.58	334.59
34 41 13 00-0253	EA	Push Button Assembly With Sign	705.64	167.30
34 41 13 00-0254	EA	Advanced Warning Signs	1,315.80	167.30
34 41 13 00-0255	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	2,496.28	
34 41 13 00-0256	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	3,741.42	
34 41 13 00-0257	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	3,882.00	
34 41 13 00-0258	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	5,249.72	
34 41 13 00-0259	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	5,508.72	
34 41 13 00-0260	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	4,358.30	
34 41 13 00-0261	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	3,900.55	
34 41 13 00-0262	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	3,208.19	
34 41 13 00-0263	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	14,660.80	
34 41 13 00-0264	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	17,011.17	

34 41 13 00-0265 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0266	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.58	0.70
34 41 13 00-0267	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.74	0.76
34 41 13 00-0268	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.91	0.81
34 41 13 00-0269	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.07	0.86
34 41 13 00-0270	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.25	0.91
34 41 13 00-0271	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.59	1.01
34 41 13 00-0272	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.03	1.16
34 41 13 00-0273	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.47	1.31
34 41 13 00-0274	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.04	1.47
34 41 13 00-0275	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	4.72	1.62
34 41 13 00-0276	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.61	0.70
34 41 13 00-0277	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.79	0.76
34 41 13 00-0278	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.98	0.81
34 41 13 00-0279	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.15	0.86
34 41 13 00-0280	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.36	0.91
34 41 13 00-0281	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.73	1.01
34 41 13 00-0282	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.21	1.16
34 41 13 00-0283	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.67	1.31
34 41 13 00-0284	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.32	1.47
34 41 13 00-0285	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	5.09	1.62
34 41 13 00-0286	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.71	0.70
34 41 13 00-0287	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.93	0.76
34 41 13 00-0288	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.16	0.81
34 41 13 00-0289	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.36	0.86
34 41 13 00-0290	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.62	0.91
34 41 13 00-0291	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	3.07	1.01
34 41 13 00-0292	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.63	1.16
34 41 13 00-0293	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	4.18	1.31
34 41 13 00-0294	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.99	1.47
34 41 13 00-0295	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	5.98	1.62

34 41 13 00-0296 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0297	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,391.81	152.52
34 41 13 00-0298	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,415.53	152.52
34 41 13 00-0299	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,818.38	152.52

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0300	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,894.31	152.52
34 41 13 00-0301	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	7,101.15	152.52
34 41 13 00-0302	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,398.71	152.52

34 41 13 00-0303 Traffic Light Control Synchronization *(34 41 13)*

34 41 13 00-0304	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	2,971.98	
34 41 13 00-0305	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	2,238.44	
34 41 13 00-0306	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	5,272.35	
34 41 13 00-0307	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	3,540.93	
34 41 13 00-0308	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	3,540.93	
34 41 13 00-0309	EA	Solar Cabinet Assembly	9,769.73	
34 41 13 00-0310	EA	Data Controller Interface Cable Assembly	401.66	
34 41 13 00-0311	EA	900 MHZ Splitter	447.29	
34 41 13 00-0312	EA	900 MHz Surge Suppressor	158.94	
34 41 13 00-0313	EA	Surge-Radio Lead in Cable	99.86	
34 41 13 00-0314	EA	12DB GAIN YAGI Antenna	476.54	
34 41 13 00-0315	EA	PELCO Antenna Mounting Bracket	331.77	
34 41 13 00-0316	MLF	Coaxial Cable, LMR-400	2,426.81	
34 41 13 00-0317	EA	Perle 16 Port Serial Server	2,777.73	
34 41 13 00-0318	EA	Serial to Ethernet Card	1,383.60	
34 41 13 00-0319	EA	404 Stand Alone Modem (GDI 404)	1,225.30	

34 41 13 00-0320 Traffic Signal Controls *(34 41 13)*

34 41 13 00-0321	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,109.41	
34 41 13 00-0322	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	430.51	
34 41 13 00-0323	EA	AccessBox for contract closure master card (CC-ACC)	153.85	
34 41 13 00-0324	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	596.15	
34 41 13 00-0325	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F)	596.15	
34 41 13 00-0326	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	92.63	
34 41 13 00-0327	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	249.21	

34 41 13 00-0328 Traffic Signal Devices *(34 41 13)*

34 41 13 00-0329	EA	12" Polycarbonate Signal Head Housing (McCain)	578.56	75.29
34 41 13 00-0330	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	304.35	58.56
34 41 13 00-0331	EA	Pedestrian Push Button Cap & Switch (McCain M31334)	260.29	108.74
34 41 13 00-0332	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	360.66	158.93
34 41 13 00-0333	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	278.76	125.47
34 41 13 00-0334	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	841.69	54.37
34 41 13 00-0335	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	177.72	20.91
34 41 13 00-0336	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	1,890.68	92.01
34 41 13 00-0337	EA	Camera processor card (Iteris Edge Connect)	4,280.17	133.83
34 41 13 00-0338	EA	Wireless Broadband Radio (Encom BB58)	4,041.42	125.47
34 41 13 00-0339	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	2,677.81	100.37
34 41 13 00-0340	EA	Power Adapter (Mean Well DR-120-48)	107.26	31.36
34 41 13 00-0341	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	0.68	
34 41 13 00-0342	EA	Radar Detection System (Wavetronix Matrix)	7,883.57	317.86
34 41 13 00-0343	EA	Pedestrian Audio Push Button (Polara APS)	265.69	79.46
34 41 13 00-0344	EA	Opticom Infrared System - Detector (GTT 711)	626.45	74.61
34 41 13 00-0345	EA	Opticom Infrared System - Detector (GTT 721)	700.89	83.48
34 41 13 00-0346	EA	Opticom Infrared System - Detector (GTT 722)	976.19	116.27
34 41 13 00-0347	EA	Opticom Multimode Phase Selector (GTT 764)	3,081.02	68.72
34 41 13 00-0348	LF	Opticom GPS Installation Cable (GTT 1070)	0.81	
34 41 13 00-0349	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	527.79	
34 41 13 00-0350	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	559.65	
34 41 13 00-0351	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	849.00	45.75
34 41 13 00-0352	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	278.54	37.64
34 41 13 00-0353	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	5.99	0.38
34 41 13 00-0354	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	1.55	0.33
34 41 13 00-0355	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	92.70	37.64
34 41 13 00-0356	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	92.70	37.64
34 41 13 00-0357	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	92.70	37.64
34 41 13 00-0358	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	92.70	37.64
34 41 13 00-0359	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	92.70	37.64
34 41 13 00-0360	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	92.70	37.64
34 41 13 00-0361	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	267.60	96.19
34 41 13 00-0362	EA	EOC Switch (Actellis ML688)	3,089.73	297.36

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0363	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	826.25	68.62
34 41 13 00-0364	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	72.57	17.84
34 41 13 00-0365	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	240.34	25.83
34 41 13 00-0366	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	88.04	17.84
34 41 13 00-0367	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	288.22	25.83
34 41 13 00-0368	EA	Battery Back-up (Alpha FXM110 UPS)	1,947.70	91.50
34 41 13 00-0369	EA	Battery (Alpha AlphaCell 220GXL)	281.04	22.88
34 41 13 00-0370	EA	BBS Cabinet (Alpha SE48-1616)	2,294.08	205.87
34 41 13 00-0371	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	4.28	1.78
34 41 13 00-0372	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	1.90	0.82
34 41 13 00-0373	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	715.22	68.62
34 41 13 00-0374	EA	12" THREE SECTION HOUSING (McCain M22435)	491.50	45.75
34 41 13 00-0375	EA	12" FOUR SECTION HOUSING (McCain M30883)	637.25	68.62
34 41 13 00-0376	EA	12" FIVE SECTION HOUSING (McCain M31769)	737.25	68.62
34 41 13 00-0377	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	787.25	68.62
34 41 13 00-0378	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	491.50	45.75
34 41 13 00-0379	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	491.50	45.75
34 41 13 00-0380	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	2,820.24	160.11
34 41 13 00-0381	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	145.75	22.88
34 41 13 00-0382	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	145.75	22.88
34 41 13 00-0383	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	318.62	34.31
34 41 13 00-0384	EA	12" Visor (McCain M19302)	28.30	9.15
34 41 13 00-0385	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	268.62	34.31
34 41 13 00-0386	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	441.50	45.75
34 41 13 00-0387	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	812.25	68.62
34 41 13 00-0388	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	441.50	45.75
34 41 13 00-0389	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	95.75	22.88
34 41 13 00-0390	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	268.62	34.31
34 41 13 00-0391	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	491.50	45.75
34 41 13 00-0392	EA	242L ISOLATOR, EDI (McCain M56812)	95.75	22.88
34 41 13 00-0393	EA	EDI 222 DETECTOR (McCain M11407)	120.75	22.88
34 41 13 00-0394	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763)	1,928.74	114.37
34 41 13 00-0395	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	331.50	45.75
34 41 13 00-0396	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	441.50	45.75
34 41 13 00-0397	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	912.25	68.62

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,875.19	701.67
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,956.03	742.07
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,454.42	750.80
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,053.20	911.61
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,219.68	449.71
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,112.29	492.35
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	15,003.71	774.05
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	15,974.53	857.80
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,815.10	964.40
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	18,094.49	913.64
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	545.88	107.30
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	645.21	161.10
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	254.30	127.15
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	448.21	212.47
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	7,601.15	286.33
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	18,331.36	429.61

34 41 16 00-0018 Transportation Cabinets *(34 41 16)*

34 41 16 00-0019 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0018)*

34 41 16 00-0020	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	1,611.45	137.25
34 41 16 00-0021	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	6,678.44	137.25
34 41 16 00-0022	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	1,510.34	137.25
34 41 16 00-0023	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	1,611.45	137.25
34 41 16 00-0024	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	6,903.14	137.25
34 41 16 00-0025	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,060.94	137.25

34 41 16 00-0026 Transportation Cabinets (APX Enclosures) *(34 41 16 00-0018)*

34 41 16 00-0027	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	3,848.44	160.11

34 41 16 00-0028 Transportation Cabinets (Transportation Control Systems) *(34 41 16 00-0018)*

34 41 16 00-0029	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	1,521.78	137.25
34 41 16 00-0030	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	1,886.55	146.40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0031		**Transportation Cabinets (McCain)** *(34 41 16 00-0018)*		
34 41 16 00-0032	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	6,968.15	160.11
34 41 16 00-0033	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	6,968.15	160.11
34 41 16 00-0034	EA	ATC ColdFire Controller (McCain 170)	3,615.05	
34 41 16 00-0035		**Traffic Control Equipment** *(34 41 16)*		
34 41 16 00-0036	EA	ProStar PWM Charge Controller 12/24V, 15A Without Display (Morningstar PS-15)	196.36	45.75
34 41 16 00-0037	EA	ProStar PWM Charge Controller 12/24V, 15A With Display (Morningstar PS-15M)	253.19	45.75
34 41 16 00-0038	EA	ProStar PWM Charge Controller 12/24V, 30A With Display (Morningstar PS-30M)	289.28	45.75
34 41 16 00-0039	EA	ProStar PWM Charge Controller 12/24V, 30A Without Display (Morningstar PS-30)	227.92	45.75
34 41 16 00-0040	MLF	10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	1,818.14	501.89
34 41 16 00-0041	EA	Vehicle Detector, Circuit Breaker, 0.2 Amp, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	80.40	22.88
34 41 16 00-0042	EA	Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	344.22	50.84
34 41 16 00-0043	EA	Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	1,760.22	152.52
34 41 16 00-0044	EA	Vehicle Detector, Power Supply, 24V DC 4 A (Wavetronix WX-CLK-204)	317.15	22.88
34 41 16 00-0045	EA	Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	449.96	22.88
34 41 16 00-0046	EA	4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	524.59	45.75
34 41 16 00-0047	EA	Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005)	2,239.60	45.75
34 41 16 00-0048	EA	50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	305.05	152.52
34 41 16 00-0049	EA	60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	336.11	38.13
34 41 16 00-0050	EA	900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	298.02	50.84
34 41 16 00-0051	EA	900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	194.08	50.84
34 41 16 00-0052	EA	Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	201.66	22.88
34 41 16 00-0053	EA	24V DC 2 A, Wavetronix Smartsensor (Wavetronix WX-CLK-202)	242.08	22.88
34 41 16 00-0054	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	115.04	22.88
34 41 16 00-0055	EA	Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200)	322.92	22.88
34 41 16 00-0056	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	363.35	22.88
34 41 16 00-0057	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	449.96	22.88
34 41 16 00-0058	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	45.75	22.88
34 41 16 00-0059	EA	Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	303.80	50.84
34 41 16 00-0060	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	2,106.86	501.89
34 41 16 00-0061	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	40.15	13.73
34 41 16 00-0062	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	597.51	54.90
34 41 16 00-0063	EA	Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco ld53hdpb-1)	586.45	68.62
34 41 16 00-0064	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	177.28	22.88
34 41 16 00-0065	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	127.33	22.88
34 41 16 00-0066	EA	24 VAC, Remote Data Port (Pelco IPS-RDPE-2)	268.59	22.88
34 41 16 00-0067	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	133.46	22.88
34 41 16 00-0068	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	58.89	22.88
34 41 16 00-0069	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	437.97	45.75
34 41 16 00-0070	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	437.97	45.75
34 41 16 00-0071	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	813.31	45.75
34 41 16 00-0072	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	813.31	45.75
34 41 16 00-0073	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Dist Board.	287.83	45.75
34 41 16 00-0074	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	403.32	45.75
34 41 16 00-0075	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	403.32	45.75
34 41 16 00-0076	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Dist board.	334.03	45.75
34 41 16 00-0077	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	5,563.01	182.99
34 41 16 00-0078	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24VDC input from two power supplies and outputs 9VDC for CAN Dist Board, providing power redundancy.	242.08	22.88
34 41 16 00-0079	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	454.32	36.59
34 41 16 00-0080	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	402.35	36.59
34 41 16 00-0081	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	448.54	36.59
34 41 16 00-0082	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	275.31	36.59
34 41 16 00-0083	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	813.31	45.75
34 41 16 00-0084	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,015.42	45.75
34 41 16 00-0085	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	899.93	45.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0086	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,246.40	45.75
34 41 16 00-0087	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,015.42	45.75
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,015.42	45.75
34 41 16 00-0089	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	553.46	45.75
34 41 16 00-0090	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	553.46	45.75
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	553.46	45.75
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	553.46	45.75
34 41 16 00-0093	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	813.31	45.75
34 41 16 00-0094	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	813.31	45.75
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	813.31	45.75
34 41 16 00-0096	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	293.61	45.75
34 41 16 00-0097	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	339.80	45.75
34 41 16 00-0098	EA	Power Supply (Daktronics A-1593) Note: Receives 120VAC input and outputs appropriate VDC for modules.	957.67	45.75
34 41 16 00-0099	EA	Power Supply (Daktronics A-1648) Note: Receives 120VAC input and outputs appropriate VDC for modules.	957.67	45.75
34 41 16 00-0100	EA	Power Supply (Daktronics A-2307) Note: Receives 120VAC input and outputs appropriate VDC for modules.	380.22	45.75
34 41 16 00-0101	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120VAC input and outputs appropriate VDC for modules.	158.84	27.45
34 41 16 00-0102	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120VAC input and outputs appropriate VDC for modules.	314.75	27.45
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120VAC input and outputs appropriate VDC for modules.	314.75	27.45
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120VAC input and outputs appropriate VDC for modules.	459.11	27.45
34 41 16 00-0105	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	778.66	45.75
34 41 16 00-0106	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,044.29	45.75
34 41 16 00-0107	EA	Power Supply Assembly (Daktronics A-1856R)	697.82	45.75
34 41 16 00-0108	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	466.84	45.75
34 41 16 00-0109	EA	Ventilation/Circulation Fan (Daktronics B-1075)	189.67	45.75
34 41 16 00-0110	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	5,563.01	182.99
34 41 16 00-0111	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	403.32	45.75
34 41 16 00-0112	EA	Defog Fan (Daktronics B-1053)	74.62	22.88
34 41 16 00-0113	EA	Defog Heater (Daktronics A-1792)	91.95	22.88
34 41 16 00-0114	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	524.59	45.75
34 41 16 00-0115	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	524.59	45.75
34 41 16 00-0116	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	676.63	45.82
34 41 16 00-0117	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	676.63	45.82
34 41 16 00-0118	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	3,557.37	45.82
34 41 16 00-0119	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	867.36	45.82
34 41 16 00-0120	EA	110 VAC To 12 VDC At 45W Transformer (Verint PS1261)	126.67	22.88
34 41 16 00-0121	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	425.96	45.82
34 41 16 00-0122	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	1,073.82	45.82
34 41 16 00-0123	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 VAC (Pelco WCS1-4)	236.30	45.75
34 41 16 00-0124	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 VAC (Pelco WCS4-20B)	531.76	45.75
34 41 16 00-0125	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	165.94	11.45
34 41 16 00-0126	EA	30 Amp, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	624.50	118.94
34 41 16 00-0127	EA	30 Amp, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	17.87	7.31
34 41 16 00-0128	EA	60 Amp, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS)	1,552.49	91.50
34 41 16 00-0129	EA	60 Amp, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	35.42	7.31
34 41 16 00-0130	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	1,360.95	50.84
34 41 16 00-0131	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	90.26	34.77
34 41 16 00-0132	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	233.06	45.75
34 41 16 00-0133	EA	Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	381.31	11.91
34 41 16 00-0134	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H))	410.52	11.91
34 41 16 00-0135	EA	550W, 120VAC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	223.88	18.30
34 41 16 00-0136	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	2,682.85	109.79
34 41 16 00-0137	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	105.93	21.04
34 41 16 00-0138	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	26.66	4.58
34 41 16 00-0139	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,664.20	45.75
34 41 16 00-0140	EA	12 Port, Industrial Ethernet Layer 3 Switch (Cisco IE-4000-4GC4GP4G-E)	5,146.95	109.79

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0141	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	2,014.65	150.97
34 41 16 00-0142	EA	100 Amp, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	572.82	261.68
34 41 16 00-0143	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	399.67	182.99
34 41 16 00-0144	EA	60 Amp, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	77.36	24.70
34 41 16 00-0145	EA	15 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	57.36	16.47
34 41 16 00-0146	EA	15 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	46.91	16.47
34 41 16 00-0147	EA	20 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	46.91	16.47
34 41 16 00-0148	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC @ 4 Amp Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	236.30	45.75
34 41 16 00-0149	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	188.95	22.91
34 41 16 00-0150	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	1,679.81	22.91
34 41 16 00-0151	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	328.98	11.91
34 41 16 00-0152	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version)	6,731.47	152.52
34 41 16 00-0153	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	278.02	50.84

34 70 Transportation Construction And Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Concrete Median Barrier *(34 71 13 13)*

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	60.67	3.21
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	77.10	3.21
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	94.91	3.21
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	41.29	5.06
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	33.85	2.58

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*
Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel Note: Includes containers, inserts, and lid.	620.83	39.10

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Mobilize Guide Rail Crew *(34 71 13 26)*

34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	989.66	

34 71 13 26-0003 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0004 Corrugated Beam Guide Railing *(34 71 13 26-0003)*

34 71 13 26-0005 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)*
Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing	8.54	1.77
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	9.11	1.77

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)*
Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	10.76	1.77
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	11.55	1.77
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	25.63	1.77
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	27.84	1.77

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	71.68	23.33
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	74.70	23.33
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	89.84	23.33
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	92.87	23.33
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	89.84	23.33
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	92.87	23.33

34 71 13 26-0020 Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*
Note: Includes mounting hardware.

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail	64.25	11.86
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	67.27	11.86
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0023	EA	Extra Long Post for Corrugated Beam Guide Rail	70.30	11.86
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	73.33	11.86
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	64.25	11.86
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	88.47	11.86
		For Installation In Rock, Add	*3.16*	
34 71 13 26-0027		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	64.25	11.86
34 71 13 26-0029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	67.27	11.86
34 71 13 26-0030	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	70.30	11.86
34 71 13 26-0031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail Note: For heavy post blocked out corrugated beam guide (rustic)	73.33	11.86
34 71 13 26-0032	EA	Type A Post 1630mm Post Note: For heavy post blocked out corrugated beam guide rail	62.73	11.86
34 71 13 26-0033	EA	Type A Post 1630mm Post (Rustic) Note: For heavy post blocked out corrugated beam guide rail	65.76	11.86
34 71 13 26-0034	EA	Type B Post 1460mm Note: For heavy post blocked out corrugated beam guide rail	59.71	11.86
34 71 13 26-0035	EA	Type B Post 1460mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	62.73	11.86
34 71 13 26-0036	EA	Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	56.68	11.86
34 71 13 26-0037	EA	Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	59.71	11.86
34 71 13 26-0038	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	216.10	11.86
34 71 13 26-0039	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam Note: For heavy post blocked out corrugated beam guide rail.	30.95	11.86
34 71 13 26-0040		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0041	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	65.62	26.50
34 71 13 26-0042		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0043	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	10.36	
34 71 13 26-0044	EA	Install Stored Post For Corrugated Beam Guide Rail	35.35	
34 71 13 26-0045	LF	Install Stored Corrugated Beam Guide Railing And Post	6.01	
34 71 13 26-0046		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0047		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0048	LF	Corrugated Thrie Beam Guide Railing	18.43	2.23
34 71 13 26-0049	LF	Corrugated Thrie Beam Guide Railing (Rustic)	19.35	2.23
34 71 13 26-0050		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0051	LF	Shop Curved Corrugated Thrie Beam Guide Railing	22.12	2.23
34 71 13 26-0052	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	23.04	2.23
34 71 13 26-0053		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0046)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0054	EA	Standard Post For Corrugated Thrie Beam Guide Rail	69.57	2.23
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0055	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	72.60	2.23
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0056		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057		**Timber Guide Rail Posts** *(34 71 13 26-0056)*		
34 71 13 26-0058	EA	6" x 8" Timber Guide Rail Post	67.59	8.83

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0059	EA	6" x 9" Timber Guide Rail Post	76.62	8.83
34 71 13 26-0060	EA	10" x 10" Timber Guide Rail Post	147.41	8.83
34 71 13 26-0061	EA	10" x 12" Timber Guide Rail Post	155.85	8.83
34 71 13 26-0062	EA	12" x 12" Timber Guide Rail Post	179.92	8.83
34 71 13 26-0063		Timber Guide Rails *(34 71 13 26-0056)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064	LF	4" x 9" Timber Guide Rail	8.38	1.06
34 71 13 26-0065	LF	6" x 10" Timber Guide Rail	11.63	1.06
34 71 13 26-0066	LF	6" x 12" Timber Guide Rail	13.53	1.06
34 71 13 26-0067		Spacer Blocks For Timber Guide Rails *(34 71 13 26-0056)*		
34 71 13 26-0068	EA	4" x 9" Spacer Block For Timber Guide Rails	10.92	1.41
34 71 13 26-0069	EA	6" x 8" Spacer Block For Timber Guide Rails	12.48	1.41
34 71 13 26-0070	EA	8" x 8" Spacer Block For Timber Guide Rails	14.47	1.41
34 71 13 26-0071		Weathering Steel Backup Plates For Timber Guide Rails *(34 71 13 26-0056)*		
34 71 13 26-0072	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	14.79	0.89
34 71 13 26-0073		Weathering Steel Splice And Bearing Plates For Timber Guide Rails *(34 71 13 26-0056)*		
34 71 13 26-0074	EA	Weathering Steel Splice Plate For Timber Guide Rails	105.21	12.37
34 71 13 26-0075	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	66.39	8.83
34 71 13 26-0076		Cable Guide Rail *(34 71 13 26)*		
34 71 13 26-0077		Cable Guide Rail *(34 71 13 26-0076)*		
34 71 13 26-0078	LF	Cable (Each Cable)	5.12	1.91
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079	EA	Cable Splice With Wedges	108.49	13.25
34 71 13 26-0080		Cable Guide Rail Posts *(34 71 13 26-0076)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail	98.08	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail	101.11	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail	101.11	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail	104.13	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit	57.40	15.81
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate	133.08	15.81
		Note: For anchor unit.		
34 71 13 26-0087		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems *(34 71 13 26-0076)*		
34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	339.04	177.08
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly	72.36	8.85
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	217.77	4.40
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	223.83	4.40
34 71 13 26-0092	EA	Breakaway Anchor Angle	90.52	8.85
34 71 13 26-0093	EA	Standard End Post Cap Assembly	42.19	4.40
34 71 13 26-0094	EA	Driveway End Post Cap Assembly	36.13	4.40
34 71 13 26-0095	EA	End Post Ground Support Plates	21.00	4.40
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail	18.73	4.40
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail	21.75	4.40
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail	24.78	4.40
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	193.45	8.85
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	205.56	8.85
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	138.96	8.85
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	84.57	4.40
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	90.52	8.85
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	99.41	13.25
34 71 13 26-0105		Cable Guide Rail Accessories For Slip Impact Post Systems *(34 71 13 26-0076)*		
34 71 13 26-0106	EA	Turnbuckle Cable End Assembly	159.87	13.20
		Note: For use with slip impact post.		
34 71 13 26-0107	EA	Spring Cable End Assembly (Compensating Device)	305.18	13.20
		Note: For use with slip impact post.		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0108	EA	Anchor Angle For Slip Impact Post System	96.30	13.20
34 71 13 26-0109	EA	Cable End Assembly Rod	81.16	13.20
		Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0110		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0076)*		
		Note: All tasks include associated hardware.		
34 71 13 26-0111	LF	Retention Existing Cable (Each Cable)	1.18	
34 71 13 26-0112	LF	Removal And Storage Of Cable Guide Railing	7.12	
34 71 13 26-0113	EA	Install Stored Post For Cable Guide Railing	52.67	
34 71 13 26-0114	LF	Install Stored Cable, (Each Cable)	3.15	
		Note: Includes retensioning. Excludes splices.		
34 71 13 26-0115		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0116		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0115)*		
34 71 13 26-0117		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0116)*		
34 71 13 26-0118	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	21.89	2.23
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0119	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	24.65	2.23
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0120		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0116)*		
34 71 13 26-0121	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	32.50	2.23
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0122	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	35.27	2.23
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0123		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0115)*		
		Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124	EA	Box Beam End Piece Guide Railing Section	338.08	26.50
		Note: Galvanized excludes splices.		
34 71 13 26-0125	EA	Box Beam End Piece Guide Railing Section (Rustic)	371.38	26.50
		Note: Excludes splices.		
34 71 13 26-0126	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	319.92	26.50
		Note: Excludes splices.		
34 71 13 26-0127	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)	332.03	26.50
		Note: Excludes splices.		
34 71 13 26-0128		**Splices For Box Beam Guide Rail** *(34 71 13 26-0115)*		
34 71 13 26-0129	EA	Splice For Box Beam Guide Rail	124.11	39.35
34 71 13 26-0130	EA	Splice For Box Beam Guide Rail (Rustic)	145.30	39.35
34 71 13 26-0131		**Box Beam Guide Rail Posts** *(34 71 13 26-0115)*		
		Note: Includes hardware for box beam mounting.		
34 71 13 26-0132	EA	Standard Post For Box Beam Guide Rail	101.11	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0133	EA	Standard Post (Rustic) for Box Beam Guide Railing	104.13	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0134	EA	Extra Long Post For Box Beam Guide Rail	107.16	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0135	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	110.19	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0136	EA	Type I End Assembly Post	98.08	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0137	EA	Type I End Assembly Post (Rustic)	101.11	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0138	EA	Type II End Assembly Post	95.05	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0139	EA	Type II End Assembly Post (Rustic)	98.08	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0140		**Box Beam Guide Rail Accessories** *(34 71 13 26-0115)*		
34 71 13 26-0141	EA	Box Beam Guide Rail End Cover Plate	46.94	7.95
34 71 13 26-0142	EA	Box Beam Guide Rail End Cover Plate (Rustic)	49.96	7.95
34 71 13 26-0143		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0115)*		
		Note: For existing guide rail.		
34 71 13 26-0144	LF	Removal And Storage Of Box Beam Guide Rail And Post	3.49	
34 71 13 26-0145	LF	Reset Box Beam Guide Rail	10.19	
34 71 13 26-0146		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0147		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0146)*		
34 71 13 26-0148		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0147)*		
34 71 13 26-0149	LF	Box Beam Median Barrier Galvanized Excludes Splices	39.68	7.95
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0150	LF	Box Beam Median Barrier (Rustic) Excludes Splices	42.44	7.95
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0151		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0147)*		
34 71 13 26-0152	LF	Shop Curved Box Beam Median Barrier Galvanized	46.95	7.95
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0153	LF	Shop Curved Box Beam Median Barrier Rustic	56.04	7.95
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0154		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0146)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0155	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	1,061.60	26.50
		Note: Excludes splices and post.		
34 71 13 26-0156	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	1,085.82	26.50
		Note: Excludes splices and post.		
34 71 13 26-0157	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	1,061.60	26.50
		Note: Excludes splices and post.		
34 71 13 26-0158	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	1,085.82	26.50
		Note: Excludes splices and post.		
34 71 13 26-0159		**Splices For Box Beam Median Barrier** *(34 71 13 26-0146)*		
34 71 13 26-0160	EA	Splice for Box Beam Median Barrier	94.87	21.21
34 71 13 26-0161	EA	Splice for Box Beam Median Barrier (Rustic)	140.28	21.21
34 71 13 26-0162		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0146)*		
		Note: Includes all associated hardware.		
34 71 13 26-0163	EA	Standard Post for Box Beam Median Barrier	101.11	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0164	EA	Standard Post (Rustic) for Box Beam Median Barrier	104.13	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0165	EA	Extra Long Post for Box Beam Median Barrier	107.16	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0166	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	110.19	39.51
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0167	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	95.05	39.51
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0168	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	95.05	39.51
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0169	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	107.16	39.51
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0170	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	110.19	39.51
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.53*	
34 71 13 26-0171		**Box Beam Median Barrier Accessories** *(34 71 13 26-0146)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0172	EA	Box Beam Median Barrier End Cover Plate	66.11	18.67
34 71 13 26-0173	EA	Box Beam Median Barrier End Cover Plate (Rustic)	69.14	18.67
34 71 13 26-0174		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0146)*		
		Note: For existing guide rail.		
34 71 13 26-0175	LF	Remove and Store Box Beam Median Barrier and Posts	3.61	
34 71 13 26-0176	LF	Reset Box Beam Median Barrier	10.67	
34 71 13 26-0177		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0178		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0177)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179	CY	Guide Rail Concrete Anchor Unit	570.39	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0180	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	405.37	
		Note: Includes excavation and backfill.		
34 71 13 26-0181	EA	Removal Of Guide Rail Concrete Anchor Unit	434.27	
34 71 13 26-0182		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0177)*		
		Note: All tasks include associated hardware.		
34 71 13 26-0183	EA	Straighten And Reset Driven Post For Guide Rail	52.67	
34 71 13 26-0184	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	57.03	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0185		**Additional Wood and Steel Posts** *(34 71 13 26-0177)*		
34 71 13 26-0186	LF	4" x 6" Wood Post	31.97	13.20
		For Installation In Rock, Add	*3.52*	
34 71 13 26-0187	LF	6" x 8" Wood Post	36.51	13.20
		For Installation In Rock, Add	*3.52*	
34 71 13 26-0188	LF	6" x 7/8" Steel Post Galvanized	26.17	13.20
		For Installation In Rock, Add	*3.52*	
34 71 13 26-0189	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	201.67	13.20
34 71 13 26-0190		**Accessories For All Types of Guide Rail** *(34 71 13 26-0177)*		
34 71 13 26-0191	EA	Reflector, Guard Rail	21.13	
34 71 13 26-0192		**Individual Concrete Posts** *(34 71 13 26)*		
34 71 13 26-0193	EA	6'-5" Concrete Posts, Round	78.64	5.43
34 71 13 26-0194	EA	6'-5" Concrete Posts, Square	87.86	6.12
34 71 13 26-0195	EA	6'-5" Concrete Posts, Triangular	85.40	6.12
34 71 13 26-0196		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0197		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0196)*		
34 71 13 26-0198	EA	Box Beam To Corrugated Beam Rail Bolted Section	417.75	
34 71 13 26-0199	EA	Box Beam To Corrugated Beam Rail Bolted Plate	296.66	
		Note: For making cable connections.		
34 71 13 26-0200		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0196)*		
34 71 13 26-0201	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	423.80	
34 71 13 26-0202	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	296.66	
		Note: For making cable connections.		
34 71 13 26-0203		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0196)*		
34 71 13 26-0204	EA	Box Beam to Cable Guide Rail U-bolt And Plate	53.88	14.14
34 71 13 26-0205		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0196)*		
34 71 13 26-0206	EA	Box Beam Median Barrier To Concrete Barrier End Connection	538.84	
34 71 13 26-0207		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0196)*		
34 71 13 26-0208	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	387.47	
34 71 13 26-0209	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	463.16	

34 71 16 Impact Attenuating Devices *(34 71)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0001		Guard Rail Energy Absorbing Terminals *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		24" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	24,101.00	2,672.48
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	33,383.58	3,563.32
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	45,450.04	4,676.85
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	50,870.36	5,790.38
34 71 16 00-0007		30" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	26,028.64	3,006.55
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	36,151.51	4,008.72
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	49,522.73	5,344.97
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	56,916.08	6,458.50
34 71 16 00-0012		36" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	27,976.26	3,340.60
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	38,938.82	4,454.14
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	53,131.30	5,901.74
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	62,941.11	7,126.62
34 71 16 00-0017		69" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	30,328.60	3,674.67
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	41,883.88	4,899.55
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	57,369.69	6,458.50
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	67,663.51	7,794.74
34 71 16 00-0022		90" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	32,739.60	4,008.72
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	44,897.92	5,344.97
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	62,191.68	7,126.62
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	72,507.60	8,462.87
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	59.57	6.80

END OF SECTION 34

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 01 Operation And Maintenance Of Waterway and Marine Construction *(35)*

35 01 70 Operation And Maintenance Of Dams *(35 01)*

35 01 70 00-0001 Drilling And Pressure Grouting *(35 01 70)*

35 01 70 00-0002 From Top Of The Dam *(35 01 70 00-0001)*

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole	78.38
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole	91.74
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam	104.21
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam	582.35
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam	315.02
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam	47.25
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam	139.19
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam	112.17

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled *(35 01 70 00-0001)*

35 01 70 00-0012 From Top Of The Dam *(35 01 70 00-0011)*

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical	119.38
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined	130.06
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical	185.99
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined	206.21

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)	26.04
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)	51.17
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)	75.56
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	83.90

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	7,374.72	946.26
		For Electric Motor Operated Valve, Add	*1,039.26*	
35 22 26 00-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	10,577.43	1,419.44
		For Electric Motor Operated Valve, Add	*1,133.89*	
35 22 26 00-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	12,788.56	1,622.22
		For Electric Motor Operated Valve, Add	*1,174.44*	
35 22 26 00-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	14,566.96	1,774.30
		For Electric Motor Operated Valve, Add	*1,204.86*	
35 22 26 00-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	16,356.52	2,027.77
		For Electric Motor Operated Valve, Add	*1,255.55*	
35 22 26 00-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	23,002.88	3,244.43
		For Electric Motor Operated Valve, Add	*1,498.89*	
35 22 26 00-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	30,589.61	4,055.54
		For Electric Motor Operated Valve, Add	*1,661.11*	
35 22 26 00-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	35,827.02	5,373.58
		For Electric Motor Operated Valve, Add	*1,924.72*	
35 22 26 00-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	44,693.24	7,097.18
		For Electric Motor Operated Valve, Add	*2,269.44*	
35 22 26 00-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	47,074.90	8,111.07
		For Electric Motor Operated Valve, Add	*2,472.21*	
35 22 26 00-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	52,581.83	8,111.07
		For Electric Motor Operated Valve, Add	*2,872.21*	
35 22 26 00-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	60,923.53	9,124.96
		For Electric Motor Operated Valve, Add	*3,074.99*	
35 22 26 00-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	72,889.07	10,357.07
		For Electric Motor Operated Valve, Add	*3,321.42*	
35 22 26 00-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	82,008.47	10,850.27
		For Electric Motor Operated Valve, Add	*3,420.05*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0016	EA	108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	101,512.26	12,823.04
		For Electric Motor Operated Valve, Add	*3,814.61*	
35 22 26 00-0017	EA	120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	125,400.81	15,782.21
		For Electric Motor Operated Valve, Add	*4,406.44*	
35 22 26 00-0018	EA	132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	152,726.56	17,754.98
		For Electric Motor Operated Valve, Add	*4,801.00*	

35 22 73 Other Hydraulic Gates *(35 22)*

35 22 73 00-0001 Steel Slide Gates Self Contained *(35 22 73)*

Note: Includes anchors and bolts.

35 22 73 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	2,945.08	354.86
		For Electric Motor Operated Valve, Add	*920.97*	
35 22 73 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,939.01	405.55
		For Electric Motor Operated Valve, Add	*931.11*	
35 22 73 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	4,492.31	473.18
		For Electric Motor Operated Valve, Add	*944.63*	
35 22 73 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,429.37	567.77
		For Electric Motor Operated Valve, Add	*963.56*	
35 22 73 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,951.56	709.72
		For Electric Motor Operated Valve, Add	*991.94*	
35 22 73 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	8,124.25	946.26
		For Electric Motor Operated Valve, Add	*1,039.26*	
35 22 73 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	11,112.92	1,419.44
		For Electric Motor Operated Valve, Add	*1,133.89*	
35 22 73 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	16,948.71	1,774.30
		For Electric Motor Operated Valve, Add	*1,204.86*	
35 22 73 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	22,000.71	2,838.87
		For Electric Motor Operated Valve, Add	*1,417.78*	
35 22 73 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	27,808.16	4,731.49
		For Electric Motor Operated Valve, Add	*1,796.29*	
35 22 73 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	771.34	130.80
		For Electric Motor Operated Valve, Add	*1,576.16*	

35 22 73 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only (Rodney Hunt) *(35 22 73)*

35 22 73 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	10,407.00	463.35
35 22 73 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	12,871.27	578.93
35 22 73 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	16,395.62	705.67
35 22 73 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	25,183.73	1,351.51
35 22 73 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	37,653.98	2,949.39
35 22 73 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	49,832.31	4,505.70
35 22 73 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	74,608.07	5,633.13
35 22 73 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	1,900.00	

35 22 73 00-0022 Cast Iron Canal Gates *(35 22 73)*

35 22 73 00-0023	EA	12" Diameter Canal Gates	1,202.00	354.86
		For Electric Motor Operated Valve, Add	*920.97*	
35 22 73 00-0024	EA	18" Diameter Canal Gates	1,621.28	405.55
		For Electric Motor Operated Valve, Add	*931.11*	
35 22 73 00-0025	EA	20" Diameter Canal Gates	1,830.28	443.57
		For Electric Motor Operated Valve, Add	*938.72*	
35 22 73 00-0026	EA	24" Diameter Canal Gates	2,117.95	473.18
		For Electric Motor Operated Valve, Add	*944.63*	
35 22 73 00-0027	EA	30" Diameter Canal Gates	3,026.55	567.77
		For Electric Motor Operated Valve, Add	*963.56*	
35 22 73 00-0028	EA	36" Diameter Canal Gates	3,740.96	709.72
		For Electric Motor Operated Valve, Add	*991.94*	
35 22 73 00-0029	EA	42" Diameter Canal Gates	6,012.45	946.26
		For Electric Motor Operated Valve, Add	*1,039.26*	
35 22 73 00-0030	EA	48" Diameter Canal Gates	8,063.19	1,419.44
		For Electric Motor Operated Valve, Add	*1,133.89*	
35 22 73 00-0031	EA	54" Diameter Canal Gates	11,197.98	1,774.30
		For Electric Motor Operated Valve, Add	*1,204.86*	
35 22 73 00-0032	EA	60" Diameter Canal Gates	15,000.15	2,838.87
		For Electric Motor Operated Valve, Add	*1,417.78*	
35 22 73 00-0033	EA	66" Diameter Canal Gates	20,357.80	3,548.60
		For Electric Motor Operated Valve, Add	*1,559.72*	
35 22 73 00-0034	EA	72" Diameter Canal Gates	25,237.60	4,731.49
		For Electric Motor Operated Valve, Add	*1,796.29*	

35 22 73 00-0035 Aluminum Flap Gates *(35 22 73)*

35 22 73 00-0036	EA	18" Diameter Aluminum Flap Gates	4,395.28	354.86
		For Electric Motor Operated Valve, Add	*920.97*	
35 22 73 00-0037	EA	20" Diameter Aluminum Flap Gates	4,917.30	380.21
		For Electric Motor Operated Valve, Add	*926.04*	
35 22 73 00-0038	EA	24" Diameter Aluminum Flap Gates	5,434.25	405.55
		For Electric Motor Operated Valve, Add	*931.11*	
35 22 73 00-0039	EA	30" Diameter Aluminum Flap Gates	7,499.18	473.18
		For Electric Motor Operated Valve, Add	*944.63*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0040	EA	36" Diameter Aluminum Flap Gates	9,329.05	567.77
		For Electric Motor Operated Valve, Add	*963.56*	
35 22 73 00-0041	EA	42" Diameter Aluminum Flap Gates	13,366.40	709.72
		For Electric Motor Operated Valve, Add	*991.94*	
35 22 73 00-0042	EA	48" Diameter Aluminum Flap Gates	16,829.29	946.26
		For Electric Motor Operated Valve, Add	*1,039.26*	
35 22 73 00-0043	EA	54" Diameter Aluminum Flap Gates	21,437.50	1,419.44
		For Electric Motor Operated Valve, Add	*1,133.89*	
35 22 73 00-0044	EA	60" Diameter Aluminum Flap Gates	28,078.27	2,027.77
		For Electric Motor Operated Valve, Add	*1,255.55*	
35 22 73 00-0045	EA	66" Diameter Aluminum Flap Gates	35,937.72	2,838.87
		For Electric Motor Operated Valve, Add	*1,417.78*	
35 22 73 00-0046	EA	72" Diameter Aluminum Flap Gates	43,931.89	4,055.54
		For Electric Motor Operated Valve, Add	*1,661.11*	

35 22 73 00-0047 Stainless Steel Flap Gates (Rodney Hunt) *(35 22 73)*

35 22 73 00-0048	EA	12" x 12" Stainless Steel Flap Gate	4,271.33	304.16
		For Electric Motor Operated Valve, Add	*910.83*	
35 22 73 00-0049	EA	18" x 18" Stainless Steel Flap Gate	5,452.72	354.86
		For Electric Motor Operated Valve, Add	*920.97*	
35 22 73 00-0050	EA	24" x 24" Stainless Steel Flap Gate	6,999.11	405.55
		For Electric Motor Operated Valve, Add	*931.11*	
35 22 73 00-0051	EA	30" x 30" Stainless Steel Flap Gate	9,081.29	473.49
		For Electric Motor Operated Valve, Add	*944.63*	
35 22 73 00-0052	EA	36" x 36" Stainless Steel Flap Gate	13,403.55	567.77
		For Electric Motor Operated Valve, Add	*963.56*	
35 22 73 00-0053	EA	48" x 48" Stainless Steel Flap Gate	19,697.58	945.95
		For Electric Motor Operated Valve, Add	*1,039.26*	
35 22 73 00-0054	EA	60" x 60" Stainless Steel Flap Gate	30,500.54	2,027.77
		For Electric Motor Operated Valve, Add	*1,255.55*	
35 22 73 00-0055	EA	72" x 72" Stainless Steel Flap Gate	44,841.07	4,055.54
		For Electric Motor Operated Valve, Add	*1,661.11*	
35 22 73 00-0056	EA	84" x 84" Stainless Steel Flap Gate	65,740.14	8,111.07
		For Electric Motor Operated Valve, Add	*2,472.21*	
35 22 73 00-0057	DAY	Start Up And Training, Stainless Steel Flap Gate	0.00	
		For Electric Motor Operated Valve, Add	*850.00*	

35 22 73 00-0058 Cast Iron Flap Gates (Rodney Hunt) *(35 22 73)*

35 22 73 00-0059	EA	12" x 12" Cast Iron Flap Gate	7,487.91	380.21
		For Electric Motor Operated Valve, Add	*926.04*	
35 22 73 00-0060	EA	18" x 18" Cast Iron Flap Gate	10,472.15	444.08
		For Electric Motor Operated Valve, Add	*938.72*	
35 22 73 00-0061	EA	24" x 24" Cast Iron Flap Gate	13,338.89	506.94
		For Electric Motor Operated Valve, Add	*951.39*	
35 22 73 00-0062	EA	30" x 30" Cast Iron Flap Gate	18,642.86	591.10
		For Electric Motor Operated Valve, Add	*968.29*	
35 22 73 00-0063	EA	36" x 36" Cast Iron Flap Gate	21,074.44	709.72
		For Electric Motor Operated Valve, Add	*991.94*	
35 22 73 00-0064	EA	48" x 48" Cast Iron Flap Gate	26,353.24	1,183.20
		For Electric Motor Operated Valve, Add	*1,086.57*	
35 22 73 00-0065	EA	60" x 60" Cast Iron Flap Gate	45,228.59	2,230.54
		For Electric Motor Operated Valve, Add	*1,296.11*	
35 22 73 00-0066	EA	72" x 72" Cast Iron Flap Gate	72,469.40	4,359.71
		For Electric Motor Operated Valve, Add	*1,721.94*	
35 22 73 00-0067	EA	84" x 84" Cast Iron Flap Gate	86,033.25	8,516.62
		For Electric Motor Operated Valve, Add	*2,553.33*	
35 22 73 00-0068	DAY	Start Up And Training, Cast Iron Flap Gate	0.00	
		For Electric Motor Operated Valve, Add	*850.00*	

35 22 73 00-0069 Steel Knife Gates Including Handwheel Operator *(35 22 73)*

Note: ANSI 150 PSI. for hub, flange, or spigot ends.

35 22 73 00-0070	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	1,277.38	124.57
		For Electric Motor Operated Valve, Add	*874.92*	
35 22 73 00-0071	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	1,711.25	145.31
		For Electric Motor Operated Valve, Add	*879.07*	
35 22 73 00-0072	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	2,408.57	218.01
		For Electric Motor Operated Valve, Add	*893.60*	
35 22 73 00-0073	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	3,013.91	290.70
		For Electric Motor Operated Valve, Add	*908.13*	
35 22 73 00-0074	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	3,680.49	311.43
		For Electric Motor Operated Valve, Add	*912.29*	
35 22 73 00-0075	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	4,745.81	335.37
		For Electric Motor Operated Valve, Add	*917.08*	
35 22 73 00-0076	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	6,282.51	348.80
		For Electric Motor Operated Valve, Add	*919.76*	
35 22 73 00-0077	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	7,844.22	396.41
		For Electric Motor Operated Valve, Add	*929.27*	
35 22 73 00-0078	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	10,036.76	436.00
		For Electric Motor Operated Valve, Add	*937.20*	
35 22 73 00-0079	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	18,209.62	581.31
		For Electric Motor Operated Valve, Add	*966.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0080	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	24,254.09	872.01
		For Electric Motor Operated Valve, Add	*1,024.40*	

35 22 73 00-0081 Steel Hollow Jet Flow Gate Valve *(35 22 73)*

35 22 73 00-0082	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,205.95	141.94
		For Electric Motor Operated Valve, Add	*878.39*	
35 22 73 00-0083	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,849.01	165.77
		For Electric Motor Operated Valve, Add	*883.16*	
35 22 73 00-0084	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,236.94	248.41
		For Electric Motor Operated Valve, Add	*899.68*	
35 22 73 00-0085	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,856.71	331.03
		For Electric Motor Operated Valve, Add	*916.22*	
35 22 73 00-0086	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,251.60	354.86
		For Electric Motor Operated Valve, Add	*920.97*	
35 22 73 00-0087	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	5,112.71	382.23
		For Electric Motor Operated Valve, Add	*926.45*	
35 22 73 00-0088	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	8,511.55	397.45
		For Electric Motor Operated Valve, Add	*929.49*	
35 22 73 00-0089	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	10,688.67	451.68
		For Electric Motor Operated Valve, Add	*940.34*	
35 22 73 00-0090	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	15,321.17	496.80
		For Electric Motor Operated Valve, Add	*949.37*	
35 22 73 00-0091	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	18,786.14	662.58
		For Electric Motor Operated Valve, Add	*982.51*	
35 22 73 00-0092	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	26,824.31	993.60
		For Electric Motor Operated Valve, Add	*1,048.69*	
35 22 73 00-0093	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	31,980.20	1,216.66
		For Electric Motor Operated Valve, Add	*1,493.39*	
35 22 73 00-0094	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	37,914.56	1,419.44
		For Electric Motor Operated Valve, Add	*1,533.89*	
35 22 73 00-0095	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	49,899.81	1,774.30
		For Electric Motor Operated Valve, Add	*1,604.86*	
35 22 73 00-0096	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	55,626.02	2,129.16
		For Electric Motor Operated Valve, Add	*1,676.00*	
35 22 73 00-0097	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	71,061.34	2,940.27
		For Electric Motor Operated Valve, Add	*1,838.49*	

35 22 73 00-0098 Steel Dish Head Valve *(35 22 73)*

35 22 73 00-0099	EA	12" Diameter Dish Head Valve	1,588.50	354.86
35 22 73 00-0100	EA	18" Diameter Dish Head Valve	2,257.37	405.55
35 22 73 00-0101	EA	20" Diameter Dish Head Valve	2,592.04	443.57
35 22 73 00-0102	EA	24" Diameter Dish Head Valve	3,037.86	473.18
35 22 73 00-0103	EA	30" Diameter Dish Head Valve	4,511.25	567.77
35 22 73 00-0104	EA	36" Diameter Dish Head Valve	5,563.67	709.72
35 22 73 00-0105	EA	42" Diameter Dish Head Valve	9,247.12	946.26
35 22 73 00-0106	EA	48" Diameter Dish Head Valve	12,165.00	1,419.44
35 22 73 00-0107	EA	54" Diameter Dish Head Valve	17,203.79	1,774.30
35 22 73 00-0108	EA	60" Diameter Dish Head Valve	22,319.51	2,838.87
35 22 73 00-0109	EA	66" Diameter Dish Head Valve	30,769.21	3,548.60
35 22 73 00-0110	EA	72" Diameter Dish Head Valve	37,622.91	4,731.49

35 24 Dredging *(35 20)*

35 24 23 Clamshell Dredging *(35 24)*

35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0037 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

35 24 23 00-0002	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	19.23
35 24 23 00-0003	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	17.31
35 24 23 00-0004	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	19.16
35 24 23 00-0005	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	16.07
35 24 23 00-0006	EA	Dredge Excavation Mobilization And Demobilization	17,307.19
		For Inlet Rivers And Canals, Deduct	*-4,326.80*

35 24 26 Backhoe/Dipper Dredging *(35 24)*

35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	11.46
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	7.61

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 35

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	448.88	167.96
		For Class 52 Rating, Deduct	*-21.38*	
		For Class 54 Rating, Add	*14.58*	
		For Class 55 Rating, Add	*32.41*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	474.13	170.89
		For Class 52 Rating, Deduct	*-23.67*	
		For Class 54 Rating, Add	*16.14*	
		For Class 55 Rating, Add	*35.87*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	499.38	173.83
		For Class 52 Rating, Deduct	*-25.96*	
		For Class 54 Rating, Add	*17.70*	
		For Class 55 Rating, Add	*39.34*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	524.63	176.77
		For Class 52 Rating, Deduct	*-28.25*	
		For Class 54 Rating, Add	*19.26*	
		For Class 55 Rating, Add	*42.81*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	549.88	179.70
		For Class 52 Rating, Deduct	*-30.54*	
		For Class 54 Rating, Add	*20.82*	
		For Class 55 Rating, Add	*46.28*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	575.13	182.64
		For Class 52 Rating, Deduct	*-32.82*	
		For Class 54 Rating, Add	*22.38*	
		For Class 55 Rating, Add	*49.74*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	600.38	185.58
		For Class 52 Rating, Deduct	*-35.11*	
		For Class 54 Rating, Add	*23.94*	
		For Class 55 Rating, Add	*53.21*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	625.63	188.51
		For Class 52 Rating, Deduct	*-37.40*	
		For Class 54 Rating, Add	*25.50*	
		For Class 55 Rating, Add	*56.68*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.87	191.45
		For Class 52 Rating, Deduct	*-39.69*	
		For Class 54 Rating, Add	*27.06*	
		For Class 55 Rating, Add	*60.15*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	676.12	194.39
		For Class 52 Rating, Deduct	*-41.98*	
		For Class 54 Rating, Add	*28.62*	
		For Class 55 Rating, Add	*63.61*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	701.38	197.32
		For Class 52 Rating, Deduct	*-44.26*	
		For Class 54 Rating, Add	*30.18*	
		For Class 55 Rating, Add	*67.08*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.63	200.26
		For Class 52 Rating, Deduct	*-46.55*	
		For Class 54 Rating, Add	*31.74*	
		For Class 55 Rating, Add	*70.55*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.87	203.20
		For Class 52 Rating, Deduct	*-48.84*	
		For Class 54 Rating, Add	*33.30*	
		For Class 55 Rating, Add	*74.01*	
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	777.12	206.13
		For Class 52 Rating, Deduct	*-51.13*	
		For Class 54 Rating, Add	*34.86*	
		For Class 55 Rating, Add	*77.48*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.37	209.07
		For Class 52 Rating, Deduct	*-53.42*	
		For Class 54 Rating, Add	*36.42*	
		For Class 55 Rating, Add	*80.95*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	827.62	212.01
		For Class 52 Rating, Deduct	*-55.70*	
		For Class 54 Rating, Add	*37.98*	
		For Class 55 Rating, Add	*84.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	852.86	214.94
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	878.12	217.88
		For Class 52 Rating, Deduct	*-60.28*	
		For Class 54 Rating, Add	*41.10*	
		For Class 55 Rating, Add	*91.35*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.37	220.82
		For Class 52 Rating, Deduct	*-62.57*	
		For Class 54 Rating, Add	*42.66*	
		For Class 55 Rating, Add	*94.82*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.62	223.75
		For Class 52 Rating, Deduct	*-64.86*	
		For Class 54 Rating, Add	*44.22*	
		For Class 55 Rating, Add	*98.29*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.86	226.69
		For Class 52 Rating, Deduct	*-67.14*	
		For Class 54 Rating, Add	*45.78*	
		For Class 55 Rating, Add	*101.75*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.11	229.63
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,004.36	232.56
		For Class 52 Rating, Deduct	*-71.72*	
		For Class 54 Rating, Add	*48.90*	
		For Class 55 Rating, Add	*108.69*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,029.62	235.50
		For Class 52 Rating, Deduct	*-74.01*	
		For Class 54 Rating, Add	*50.46*	
		For Class 55 Rating, Add	*112.16*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.86	238.43
		For Class 52 Rating, Deduct	*-76.30*	
		For Class 54 Rating, Add	*52.02*	
		For Class 55 Rating, Add	*115.62*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,080.11	241.36
		For Class 52 Rating, Deduct	*-78.58*	
		For Class 54 Rating, Add	*53.58*	
		For Class 55 Rating, Add	*119.09*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.36	244.30
		For Class 52 Rating, Deduct	*-80.87*	
		For Class 54 Rating, Add	*55.14*	
		For Class 55 Rating, Add	*122.56*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,130.61	247.24
		For Class 52 Rating, Deduct	*-83.16*	
		For Class 54 Rating, Add	*56.70*	
		For Class 55 Rating, Add	*126.03*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,155.85	250.17
		For Class 52 Rating, Deduct	*-85.45*	
		For Class 54 Rating, Add	*58.26*	
		For Class 55 Rating, Add	*129.49*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.10	253.11
		For Class 52 Rating, Deduct	*-87.74*	
		For Class 54 Rating, Add	*59.82*	
		For Class 55 Rating, Add	*132.96*	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.36	256.05
		For Class 52 Rating, Deduct	*-90.02*	
		For Class 54 Rating, Add	*61.38*	
		For Class 55 Rating, Add	*136.43*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.61	258.98
		For Class 52 Rating, Deduct	*-92.31*	
		For Class 54 Rating, Add	*62.94*	
		For Class 55 Rating, Add	*139.89*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,256.85	261.92
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,282.10	264.86
		For Class 52 Rating, Deduct	*-96.89*	
		For Class 54 Rating, Add	*66.06*	
		For Class 55 Rating, Add	*146.83*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,307.35	267.80
		For Class 52 Rating, Deduct	*-99.18*	
		For Class 54 Rating, Add	*67.62*	
		For Class 55 Rating, Add	*150.30*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.60	270.73
		For Class 52 Rating, Deduct	*-101.46*	
		For Class 54 Rating, Add	*69.18*	
		For Class 55 Rating, Add	*153.76*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.85	273.67
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.10	276.61
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.35	279.54
		For Class 52 Rating, Deduct	*-108.33*	
		For Class 54 Rating, Add	*73.86*	
		For Class 55 Rating, Add	*164.17*	
40 05 19 00-0043		6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	567.53	211.42
		For Class 52 Rating, Deduct	*-27.19*	
		For Class 54 Rating, Add	*18.54*	
		For Class 55 Rating, Add	*41.21*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.58	214.35
		For Class 52 Rating, Deduct	*-30.01*	
		For Class 54 Rating, Add	*20.46*	
		For Class 55 Rating, Add	*45.48*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.62	217.29
		For Class 52 Rating, Deduct	*-32.82*	
		For Class 54 Rating, Add	*22.38*	
		For Class 55 Rating, Add	*49.74*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	657.68	220.23
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	687.73	223.16
		For Class 52 Rating, Deduct	*-38.46*	
		For Class 54 Rating, Add	*26.22*	
		For Class 55 Rating, Add	*58.28*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	717.78	226.10
		For Class 52 Rating, Deduct	*-41.27*	
		For Class 54 Rating, Add	*28.14*	
		For Class 55 Rating, Add	*62.55*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	747.82	229.04
		For Class 52 Rating, Deduct	*-44.09*	
		For Class 54 Rating, Add	*30.06*	
		For Class 55 Rating, Add	*66.81*	
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	777.87	231.97
		For Class 52 Rating, Deduct	*-46.90*	
		For Class 54 Rating, Add	*31.98*	
		For Class 55 Rating, Add	*71.08*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	807.92	234.91
		For Class 52 Rating, Deduct	*-49.72*	
		For Class 54 Rating, Add	*33.90*	
		For Class 55 Rating, Add	*75.35*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.97	237.85
		For Class 52 Rating, Deduct	*-52.54*	
		For Class 54 Rating, Add	*35.82*	
		For Class 55 Rating, Add	*79.62*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	868.02	240.78
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	898.07	243.72
		For Class 52 Rating, Deduct	*-58.17*	
		For Class 54 Rating, Add	*39.66*	
		For Class 55 Rating, Add	*88.15*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.12	246.66
		For Class 52 Rating, Deduct	*-60.98*	
		For Class 54 Rating, Add	*41.58*	
		For Class 55 Rating, Add	*92.42*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.17	249.59
		For Class 52 Rating, Deduct	*-63.80*	
		For Class 54 Rating, Add	*43.50*	
		For Class 55 Rating, Add	*96.69*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	988.21	252.53
		For Class 52 Rating, Deduct	*-66.62*	
		For Class 54 Rating, Add	*45.42*	
		For Class 55 Rating, Add	*100.95*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.26	255.47
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,048.32	258.40
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.37	261.34
		For Class 52 Rating, Deduct	*-75.06*	
		For Class 54 Rating, Add	*51.18*	
		For Class 55 Rating, Add	*113.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,108.41	264.28
		For Class 52 Rating, Deduct	*-77.88*	
		For Class 54 Rating, Add	*53.10*	
		For Class 55 Rating, Add	*118.02*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.46	267.20
		For Class 52 Rating, Deduct	*-80.70*	
		For Class 54 Rating, Add	*55.02*	
		For Class 55 Rating, Add	*122.29*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,168.51	270.14
		For Class 52 Rating, Deduct	*-83.51*	
		For Class 54 Rating, Add	*56.94*	
		For Class 55 Rating, Add	*126.56*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.56	273.08
		For Class 52 Rating, Deduct	*-86.33*	
		For Class 54 Rating, Add	*58.86*	
		For Class 55 Rating, Add	*130.83*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.60	276.01
		For Class 52 Rating, Deduct	*-89.14*	
		For Class 54 Rating, Add	*60.78*	
		For Class 55 Rating, Add	*135.09*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.66	278.95
		For Class 52 Rating, Deduct	*-91.96*	
		For Class 54 Rating, Add	*62.70*	
		For Class 55 Rating, Add	*139.36*	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.71	281.89
		For Class 52 Rating, Deduct	*-94.78*	
		For Class 54 Rating, Add	*64.62*	
		For Class 55 Rating, Add	*143.63*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,318.76	284.82
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,348.80	287.76
		For Class 52 Rating, Deduct	*-100.41*	
		For Class 54 Rating, Add	*68.46*	
		For Class 55 Rating, Add	*152.16*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,378.85	290.70
		For Class 52 Rating, Deduct	*-103.22*	
		For Class 54 Rating, Add	*70.38*	
		For Class 55 Rating, Add	*156.43*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.90	293.63
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,438.96	296.57
		For Class 52 Rating, Deduct	*-108.86*	
		For Class 54 Rating, Add	*74.22*	
		For Class 55 Rating, Add	*164.97*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.00	299.51
		For Class 52 Rating, Deduct	*-111.67*	
		For Class 54 Rating, Add	*76.14*	
		For Class 55 Rating, Add	*169.23*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,499.05	302.44
		For Class 52 Rating, Deduct	*-114.49*	
		For Class 54 Rating, Add	*78.06*	
		For Class 55 Rating, Add	*173.50*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,529.10	305.38
		For Class 52 Rating, Deduct	*-117.30*	
		For Class 54 Rating, Add	*79.98*	
		For Class 55 Rating, Add	*177.77*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.15	308.32
		For Class 52 Rating, Deduct	*-120.12*	
		For Class 54 Rating, Add	*81.90*	
		For Class 55 Rating, Add	*182.04*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.19	311.26
		For Class 52 Rating, Deduct	*-122.94*	
		For Class 54 Rating, Add	*83.82*	
		For Class 55 Rating, Add	*186.30*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,619.24	314.19
		For Class 52 Rating, Deduct	*-125.75*	
		For Class 54 Rating, Add	*85.74*	
		For Class 55 Rating, Add	*190.57*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,649.30	317.13
		For Class 52 Rating, Deduct	*-128.57*	
		For Class 54 Rating, Add	*87.66*	
		For Class 55 Rating, Add	*194.84*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,679.35	320.07
		For Class 52 Rating, Deduct	*-131.38*	
		For Class 54 Rating, Add	*89.58*	
		For Class 55 Rating, Add	*199.11*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.39	323.00
		For Class 52 Rating, Deduct	*-134.20*	
		For Class 54 Rating, Add	*91.50*	
		For Class 55 Rating, Add	*203.37*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*			
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		773.31	270.14
		For Class 52 Rating, Deduct		*-40.04*	
		For Class 54 Rating, Add		*27.30*	
		For Class 55 Rating, Add		*60.68*	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		812.96	273.08
		For Class 52 Rating, Deduct		*-43.91*	
		For Class 54 Rating, Add		*29.94*	
		For Class 55 Rating, Add		*66.55*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		852.60	276.01
		For Class 52 Rating, Deduct		*-47.78*	
		For Class 54 Rating, Add		*32.58*	
		For Class 55 Rating, Add		*72.41*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		892.26	278.95
		For Class 52 Rating, Deduct		*-51.66*	
		For Class 54 Rating, Add		*35.22*	
		For Class 55 Rating, Add		*78.28*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		931.91	281.89
		For Class 52 Rating, Deduct		*-55.53*	
		For Class 54 Rating, Add		*37.86*	
		For Class 55 Rating, Add		*84.15*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		971.56	284.82
		For Class 52 Rating, Deduct		*-59.40*	
		For Class 54 Rating, Add		*40.50*	
		For Class 55 Rating, Add		*90.02*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,011.20	287.76
		For Class 52 Rating, Deduct		*-63.27*	
		For Class 54 Rating, Add		*43.14*	
		For Class 55 Rating, Add		*95.89*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,050.85	290.70
		For Class 52 Rating, Deduct		*-67.14*	
		For Class 54 Rating, Add		*45.78*	
		For Class 55 Rating, Add		*101.75*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,090.50	293.63
		For Class 52 Rating, Deduct		*-71.02*	
		For Class 54 Rating, Add		*48.42*	
		For Class 55 Rating, Add		*107.62*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,130.16	296.57
		For Class 52 Rating, Deduct		*-74.89*	
		For Class 54 Rating, Add		*51.06*	
		For Class 55 Rating, Add		*113.49*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,169.80	299.51
		For Class 52 Rating, Deduct		*-78.76*	
		For Class 54 Rating, Add		*53.70*	
		For Class 55 Rating, Add		*119.36*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,209.45	302.44
		For Class 52 Rating, Deduct		*-82.63*	
		For Class 54 Rating, Add		*56.34*	
		For Class 55 Rating, Add		*125.23*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,249.10	305.38
		For Class 52 Rating, Deduct		*-86.50*	
		For Class 54 Rating, Add		*58.98*	
		For Class 55 Rating, Add		*131.09*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,288.75	308.32
		For Class 52 Rating, Deduct		*-90.38*	
		For Class 54 Rating, Add		*61.62*	
		For Class 55 Rating, Add		*136.96*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,328.39	311.26
		For Class 52 Rating, Deduct		*-94.25*	
		For Class 54 Rating, Add		*64.26*	
		For Class 55 Rating, Add		*142.83*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,368.04	314.19
		For Class 52 Rating, Deduct		*-98.12*	
		For Class 54 Rating, Add		*66.90*	
		For Class 55 Rating, Add		*148.70*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,407.70	317.13
		For Class 52 Rating, Deduct		*-101.99*	
		For Class 54 Rating, Add		*69.54*	
		For Class 55 Rating, Add		*154.56*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,447.35	320.07
		For Class 52 Rating, Deduct		*-105.86*	
		For Class 54 Rating, Add		*72.18*	
		For Class 55 Rating, Add		*160.43*	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,486.99	323.00
		For Class 52 Rating, Deduct		*-109.74*	
		For Class 54 Rating, Add		*74.82*	
		For Class 55 Rating, Add		*166.30*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,526.64	325.94
		For Class 52 Rating, Deduct		*-113.61*	
		For Class 54 Rating, Add		*77.46*	
		For Class 55 Rating, Add		*172.17*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.29	328.88
		For Class 52 Rating, Deduct	*-117.48*	
		For Class 54 Rating, Add	*80.10*	
		For Class 55 Rating, Add	*178.04*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.94	331.81
		For Class 52 Rating, Deduct	*-121.35*	
		For Class 54 Rating, Add	*82.74*	
		For Class 55 Rating, Add	*183.90*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,645.59	334.75
		For Class 52 Rating, Deduct	*-125.22*	
		For Class 54 Rating, Add	*85.38*	
		For Class 55 Rating, Add	*189.77*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.24	337.69
		For Class 52 Rating, Deduct	*-129.10*	
		For Class 54 Rating, Add	*88.02*	
		For Class 55 Rating, Add	*195.64*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.89	340.62
		For Class 52 Rating, Deduct	*-132.97*	
		For Class 54 Rating, Add	*90.66*	
		For Class 55 Rating, Add	*201.51*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,764.54	343.56
		For Class 52 Rating, Deduct	*-136.84*	
		For Class 54 Rating, Add	*93.30*	
		For Class 55 Rating, Add	*207.37*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.18	346.49
		For Class 52 Rating, Deduct	*-140.71*	
		For Class 54 Rating, Add	*95.94*	
		For Class 55 Rating, Add	*213.24*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.83	349.42
		For Class 52 Rating, Deduct	*-144.58*	
		For Class 54 Rating, Add	*98.58*	
		For Class 55 Rating, Add	*219.11*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.48	352.36
		For Class 52 Rating, Deduct	*-148.46*	
		For Class 54 Rating, Add	*101.22*	
		For Class 55 Rating, Add	*224.98*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.14	355.30
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.78	358.23
		For Class 52 Rating, Deduct	*-156.20*	
		For Class 54 Rating, Add	*106.50*	
		For Class 55 Rating, Add	*236.71*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,002.43	361.17
		For Class 52 Rating, Deduct	*-160.07*	
		For Class 54 Rating, Add	*109.14*	
		For Class 55 Rating, Add	*242.58*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,042.08	364.11
		For Class 52 Rating, Deduct	*-163.94*	
		For Class 54 Rating, Add	*111.78*	
		For Class 55 Rating, Add	*248.45*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.73	367.04
		For Class 52 Rating, Deduct	*-167.82*	
		For Class 54 Rating, Add	*114.42*	
		For Class 55 Rating, Add	*254.32*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.37	369.98
		For Class 52 Rating, Deduct	*-171.69*	
		For Class 54 Rating, Add	*117.06*	
		For Class 55 Rating, Add	*260.19*	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,161.03	372.92
		For Class 52 Rating, Deduct	*-175.56*	
		For Class 54 Rating, Add	*119.70*	
		For Class 55 Rating, Add	*266.05*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,200.68	375.85
		For Class 52 Rating, Deduct	*-179.43*	
		For Class 54 Rating, Add	*122.34*	
		For Class 55 Rating, Add	*271.92*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,240.33	378.79
		For Class 52 Rating, Deduct	*-183.30*	
		For Class 54 Rating, Add	*124.98*	
		For Class 55 Rating, Add	*277.79*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.97	381.73
		For Class 52 Rating, Deduct	*-187.18*	
		For Class 54 Rating, Add	*127.62*	
		For Class 55 Rating, Add	*283.66*	
40 05 19 00-0123		10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	965.49	328.88
		For Class 52 Rating, Deduct	*-51.39*	
		For Class 54 Rating, Add	*35.04*	
		For Class 55 Rating, Add	*77.88*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,016.34	331.81
		For Class 52 Rating, Deduct	*-56.50*	
		For Class 54 Rating, Add	*38.52*	
		For Class 55 Rating, Add	*85.62*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.19	334.75
		For Class 52 Rating, Deduct	*-61.60*	
		For Class 54 Rating, Add	*42.00*	
		For Class 55 Rating, Add	*93.35*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,118.04	337.69
		For Class 52 Rating, Deduct	*-66.70*	
		For Class 54 Rating, Add	*45.48*	
		For Class 55 Rating, Add	*101.09*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,168.89	340.62
		For Class 52 Rating, Deduct	*-71.81*	
		For Class 54 Rating, Add	*48.96*	
		For Class 55 Rating, Add	*108.82*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.74	343.56
		For Class 52 Rating, Deduct	*-76.91*	
		For Class 54 Rating, Add	*52.44*	
		For Class 55 Rating, Add	*116.56*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.58	346.49
		For Class 52 Rating, Deduct	*-82.02*	
		For Class 54 Rating, Add	*55.92*	
		For Class 55 Rating, Add	*124.29*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,321.43	349.42
		For Class 52 Rating, Deduct	*-87.12*	
		For Class 54 Rating, Add	*59.40*	
		For Class 55 Rating, Add	*132.03*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,372.28	352.36
		For Class 52 Rating, Deduct	*-92.22*	
		For Class 54 Rating, Add	*62.88*	
		For Class 55 Rating, Add	*139.76*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.14	355.30
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,473.98	358.23
		For Class 52 Rating, Deduct	*-102.43*	
		For Class 54 Rating, Add	*69.84*	
		For Class 55 Rating, Add	*155.23*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,524.83	361.17
		For Class 52 Rating, Deduct	*-107.54*	
		For Class 54 Rating, Add	*73.32*	
		For Class 55 Rating, Add	*162.97*	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.68	364.11
		For Class 52 Rating, Deduct	*-112.64*	
		For Class 54 Rating, Add	*76.80*	
		For Class 55 Rating, Add	*170.70*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,626.53	367.04
		For Class 52 Rating, Deduct	*-117.74*	
		For Class 54 Rating, Add	*80.28*	
		For Class 55 Rating, Add	*178.44*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,677.37	369.98
		For Class 52 Rating, Deduct	*-122.85*	
		For Class 54 Rating, Add	*83.76*	
		For Class 55 Rating, Add	*186.17*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,728.23	372.92
		For Class 52 Rating, Deduct	*-127.95*	
		For Class 54 Rating, Add	*87.24*	
		For Class 55 Rating, Add	*193.91*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,779.08	375.85
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*90.72*	
		For Class 55 Rating, Add	*201.64*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.93	378.79
		For Class 52 Rating, Deduct	*-138.16*	
		For Class 54 Rating, Add	*94.20*	
		For Class 55 Rating, Add	*209.38*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,880.77	381.73
		For Class 52 Rating, Deduct	*-143.26*	
		For Class 54 Rating, Add	*97.68*	
		For Class 55 Rating, Add	*217.11*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,931.62	384.66
		For Class 52 Rating, Deduct	*-148.37*	
		For Class 54 Rating, Add	*101.16*	
		For Class 55 Rating, Add	*224.84*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,982.47	387.60
		For Class 52 Rating, Deduct	*-153.47*	
		For Class 54 Rating, Add	*104.64*	
		For Class 55 Rating, Add	*232.58*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.32	390.54
		For Class 52 Rating, Deduct	*-158.58*	
		For Class 54 Rating, Add	*108.12*	
		For Class 55 Rating, Add	*240.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.17	393.47
		For Class 52 Rating, Deduct	*-163.68*	
		For Class 54 Rating, Add	*111.60*	
		For Class 55 Rating, Add	*248.05*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.02	396.41
		For Class 52 Rating, Deduct	*-168.78*	
		For Class 54 Rating, Add	*115.08*	
		For Class 55 Rating, Add	*255.78*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,185.87	399.35
		For Class 52 Rating, Deduct	*-173.89*	
		For Class 54 Rating, Add	*118.56*	
		For Class 55 Rating, Add	*263.52*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,236.72	402.28
		For Class 52 Rating, Deduct	*-178.99*	
		For Class 54 Rating, Add	*122.04*	
		For Class 55 Rating, Add	*271.25*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,287.56	405.22
		For Class 52 Rating, Deduct	*-184.10*	
		For Class 54 Rating, Add	*125.52*	
		For Class 55 Rating, Add	*278.99*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,338.41	408.16
		For Class 52 Rating, Deduct	*-189.20*	
		For Class 54 Rating, Add	*129.00*	
		For Class 55 Rating, Add	*286.72*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,389.27	411.09
		For Class 52 Rating, Deduct	*-194.30*	
		For Class 54 Rating, Add	*132.48*	
		For Class 55 Rating, Add	*294.46*	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,440.12	414.03
		For Class 52 Rating, Deduct	*-199.41*	
		For Class 54 Rating, Add	*135.96*	
		For Class 55 Rating, Add	*302.19*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.96	416.97
		For Class 52 Rating, Deduct	*-204.51*	
		For Class 54 Rating, Add	*139.44*	
		For Class 55 Rating, Add	*309.93*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,541.01	419.89
		For Class 52 Rating, Deduct	*-209.53*	
		For Class 54 Rating, Add	*142.86*	
		For Class 55 Rating, Add	*317.53*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.66	422.83
		For Class 52 Rating, Deduct	*-214.72*	
		For Class 54 Rating, Add	*146.40*	
		For Class 55 Rating, Add	*325.40*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,643.51	425.77
		For Class 52 Rating, Deduct	*-219.82*	
		For Class 54 Rating, Add	*149.88*	
		For Class 55 Rating, Add	*333.13*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.35	428.70
		For Class 52 Rating, Deduct	*-224.93*	
		For Class 54 Rating, Add	*153.36*	
		For Class 55 Rating, Add	*340.87*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,745.21	431.64
		For Class 52 Rating, Deduct	*-230.03*	
		For Class 54 Rating, Add	*156.84*	
		For Class 55 Rating, Add	*348.60*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.06	434.58
		For Class 52 Rating, Deduct	*-235.14*	
		For Class 54 Rating, Add	*160.32*	
		For Class 55 Rating, Add	*356.34*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,846.91	437.52
		For Class 52 Rating, Deduct	*-240.24*	
		For Class 54 Rating, Add	*163.80*	
		For Class 55 Rating, Add	*364.07*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.75	440.45
		For Class 52 Rating, Deduct	*-245.34*	
		For Class 54 Rating, Add	*167.28*	
		For Class 55 Rating, Add	*371.81*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.47	411.09
		For Class 52 Rating, Deduct	*-68.82*	
		For Class 54 Rating, Add	*46.92*	
		For Class 55 Rating, Add	*104.29*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.32	414.03
		For Class 52 Rating, Deduct	*-75.24*	
		For Class 54 Rating, Add	*51.30*	
		For Class 55 Rating, Add	*114.02*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.16	416.97
		For Class 52 Rating, Deduct	*-81.66*	
		For Class 54 Rating, Add	*55.68*	
		For Class 55 Rating, Add	*123.76*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,437.01	419.89
		For Class 52 Rating, Deduct	*-88.09*	
		For Class 54 Rating, Add	*60.06*	
		For Class 55 Rating, Add	*133.49*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,499.86	422.83
		For Class 52 Rating, Deduct	*-94.51*	
		For Class 54 Rating, Add	*64.44*	
		For Class 55 Rating, Add	*143.23*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,562.71	425.77
		For Class 52 Rating, Deduct	*-100.94*	
		For Class 54 Rating, Add	*68.82*	
		For Class 55 Rating, Add	*152.96*	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.55	428.70
		For Class 52 Rating, Deduct	*-107.36*	
		For Class 54 Rating, Add	*73.20*	
		For Class 55 Rating, Add	*162.70*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,688.41	431.64
		For Class 52 Rating, Deduct	*-113.78*	
		For Class 54 Rating, Add	*77.58*	
		For Class 55 Rating, Add	*172.43*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.26	434.58
		For Class 52 Rating, Deduct	*-120.21*	
		For Class 54 Rating, Add	*81.96*	
		For Class 55 Rating, Add	*182.17*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.11	437.52
		For Class 52 Rating, Deduct	*-126.63*	
		For Class 54 Rating, Add	*86.34*	
		For Class 55 Rating, Add	*191.91*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,876.95	440.45
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*90.72*	
		For Class 55 Rating, Add	*201.64*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.80	443.39
		For Class 52 Rating, Deduct	*-139.48*	
		For Class 54 Rating, Add	*95.10*	
		For Class 55 Rating, Add	*211.38*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,002.65	446.33
		For Class 52 Rating, Deduct	*-145.90*	
		For Class 54 Rating, Add	*99.48*	
		For Class 55 Rating, Add	*221.11*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,065.51	449.26
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.35	452.20
		For Class 52 Rating, Deduct	*-158.75*	
		For Class 54 Rating, Add	*108.24*	
		For Class 55 Rating, Add	*240.58*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,191.20	455.14
		For Class 52 Rating, Deduct	*-165.18*	
		For Class 54 Rating, Add	*112.62*	
		For Class 55 Rating, Add	*250.32*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,254.05	458.07
		For Class 52 Rating, Deduct	*-171.60*	
		For Class 54 Rating, Add	*117.00*	
		For Class 55 Rating, Add	*260.05*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,316.90	461.01
		For Class 52 Rating, Deduct	*-178.02*	
		For Class 54 Rating, Add	*121.38*	
		For Class 55 Rating, Add	*269.79*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,379.74	463.95
		For Class 52 Rating, Deduct	*-184.45*	
		For Class 54 Rating, Add	*125.76*	
		For Class 55 Rating, Add	*279.52*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,442.59	466.88
		For Class 52 Rating, Deduct	*-190.87*	
		For Class 54 Rating, Add	*130.14*	
		For Class 55 Rating, Add	*289.26*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.45	469.82
		For Class 52 Rating, Deduct	*-197.30*	
		For Class 54 Rating, Add	*134.52*	
		For Class 55 Rating, Add	*298.99*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,568.30	472.76
		For Class 52 Rating, Deduct	*-203.72*	
		For Class 54 Rating, Add	*138.90*	
		For Class 55 Rating, Add	*308.73*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,631.14	475.69
		For Class 52 Rating, Deduct	*-210.14*	
		For Class 54 Rating, Add	*143.28*	
		For Class 55 Rating, Add	*318.46*	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,693.99	478.63
		For Class 52 Rating, Deduct	*-216.57*	
		For Class 54 Rating, Add	*147.66*	
		For Class 55 Rating, Add	*328.20*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,756.84	481.57
		For Class 52 Rating, Deduct	*-222.99*	
		For Class 54 Rating, Add	*152.04*	
		For Class 55 Rating, Add	*337.93*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.69	484.50
		For Class 52 Rating, Deduct	*-229.42*	
		For Class 54 Rating, Add	*156.42*	
		For Class 55 Rating, Add	*347.67*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.54	487.44
		For Class 52 Rating, Deduct	*-235.84*	
		For Class 54 Rating, Add	*160.80*	
		For Class 55 Rating, Add	*357.40*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,945.39	490.38
		For Class 52 Rating, Deduct	*-242.26*	
		For Class 54 Rating, Add	*165.18*	
		For Class 55 Rating, Add	*367.14*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,008.24	493.31
		For Class 52 Rating, Deduct	*-248.69*	
		For Class 54 Rating, Add	*169.56*	
		For Class 55 Rating, Add	*376.88*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,071.09	496.25
		For Class 52 Rating, Deduct	*-255.11*	
		For Class 54 Rating, Add	*173.94*	
		For Class 55 Rating, Add	*386.61*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.93	499.18
		For Class 52 Rating, Deduct	*-261.54*	
		For Class 54 Rating, Add	*178.32*	
		For Class 55 Rating, Add	*396.35*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,196.78	502.11
		For Class 52 Rating, Deduct	*-267.96*	
		For Class 54 Rating, Add	*182.70*	
		For Class 55 Rating, Add	*406.08*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,259.63	505.05
		For Class 52 Rating, Deduct	*-274.38*	
		For Class 54 Rating, Add	*187.08*	
		For Class 55 Rating, Add	*415.82*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.49	507.99
		For Class 52 Rating, Deduct	*-280.81*	
		For Class 54 Rating, Add	*191.46*	
		For Class 55 Rating, Add	*425.55*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,385.33	510.92
		For Class 52 Rating, Deduct	*-287.23*	
		For Class 54 Rating, Add	*195.84*	
		For Class 55 Rating, Add	*435.29*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.18	513.86
		For Class 52 Rating, Deduct	*-293.66*	
		For Class 54 Rating, Add	*200.22*	
		For Class 55 Rating, Add	*445.02*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.03	516.80
		For Class 52 Rating, Deduct	*-300.08*	
		For Class 54 Rating, Add	*204.60*	
		For Class 55 Rating, Add	*454.76*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,573.88	519.73
		For Class 52 Rating, Deduct	*-306.50*	
		For Class 54 Rating, Add	*208.98*	
		For Class 55 Rating, Add	*464.49*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,636.72	522.67
		For Class 52 Rating, Deduct	*-312.93*	
		For Class 54 Rating, Add	*213.36*	
		For Class 55 Rating, Add	*474.23*	
40 05 19 00-0203		14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,623.44	493.31
		For Class 52 Rating, Deduct	*-96.36*	
		For Class 54 Rating, Add	*65.70*	
		For Class 55 Rating, Add	*146.03*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,699.09	496.25
		For Class 52 Rating, Deduct	*-104.19*	
		For Class 54 Rating, Add	*71.04*	
		For Class 55 Rating, Add	*157.90*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.73	499.18
		For Class 52 Rating, Deduct	*-112.02*	
		For Class 54 Rating, Add	*76.38*	
		For Class 55 Rating, Add	*169.77*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.38	502.11
		For Class 52 Rating, Deduct	*-119.86*	
		For Class 54 Rating, Add	*81.72*	
		For Class 55 Rating, Add	*181.64*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.03	505.05
		For Class 52 Rating, Deduct	*-127.69*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*193.51*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,001.69	507.99
		For Class 52 Rating, Deduct	*-135.52*	
		For Class 54 Rating, Add	*92.40*	
		For Class 55 Rating, Add	*205.37*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.33	510.92
		For Class 52 Rating, Deduct	*-143.35*	
		For Class 54 Rating, Add	*97.74*	
		For Class 55 Rating, Add	*217.24*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,152.98	513.86
		For Class 52 Rating, Deduct	*-151.18*	
		For Class 54 Rating, Add	*103.08*	
		For Class 55 Rating, Add	*229.11*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.63	516.80
		For Class 52 Rating, Deduct	*-159.02*	
		For Class 54 Rating, Add	*108.42*	
		For Class 55 Rating, Add	*240.98*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.28	519.73
		For Class 52 Rating, Deduct	*-166.85*	
		For Class 54 Rating, Add	*113.76*	
		For Class 55 Rating, Add	*252.85*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,379.92	522.67
		For Class 52 Rating, Deduct	*-174.68*	
		For Class 54 Rating, Add	*119.10*	
		For Class 55 Rating, Add	*264.72*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,455.58	525.61
		For Class 52 Rating, Deduct	*-182.51*	
		For Class 54 Rating, Add	*124.44*	
		For Class 55 Rating, Add	*276.59*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.23	528.54
		For Class 52 Rating, Deduct	*-190.34*	
		For Class 54 Rating, Add	*129.78*	
		For Class 55 Rating, Add	*288.46*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.88	531.48
		For Class 52 Rating, Deduct	*-198.18*	
		For Class 54 Rating, Add	*135.12*	
		For Class 55 Rating, Add	*300.33*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,682.52	534.42
		For Class 52 Rating, Deduct	*-206.01*	
		For Class 54 Rating, Add	*140.46*	
		For Class 55 Rating, Add	*312.20*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,758.17	537.35
		For Class 52 Rating, Deduct	*-213.84*	
		For Class 54 Rating, Add	*145.80*	
		For Class 55 Rating, Add	*324.06*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,833.82	540.29
		For Class 52 Rating, Deduct	*-221.67*	
		For Class 54 Rating, Add	*151.14*	
		For Class 55 Rating, Add	*335.93*	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.47	543.23
		For Class 52 Rating, Deduct	*-229.50*	
		For Class 54 Rating, Add	*156.48*	
		For Class 55 Rating, Add	*347.80*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,985.12	546.16
		For Class 52 Rating, Deduct	*-237.34*	
		For Class 54 Rating, Add	*161.82*	
		For Class 55 Rating, Add	*359.67*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.77	549.10
		For Class 52 Rating, Deduct	*-245.17*	
		For Class 54 Rating, Add	*167.16*	
		For Class 55 Rating, Add	*371.54*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,136.42	552.04
		For Class 52 Rating, Deduct	*-253.00*	
		For Class 54 Rating, Add	*172.50*	
		For Class 55 Rating, Add	*383.41*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.07	554.97
		For Class 52 Rating, Deduct	*-260.83*	
		For Class 54 Rating, Add	*177.84*	
		For Class 55 Rating, Add	*395.28*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,287.71	557.91
		For Class 52 Rating, Deduct	*-268.66*	
		For Class 54 Rating, Add	*183.18*	
		For Class 55 Rating, Add	*407.15*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.36	560.85
		For Class 52 Rating, Deduct	*-276.50*	
		For Class 54 Rating, Add	*188.52*	
		For Class 55 Rating, Add	*419.02*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.02	563.79
		For Class 52 Rating, Deduct	*-284.33*	
		For Class 54 Rating, Add	*193.86*	
		For Class 55 Rating, Add	*430.89*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,514.67	566.72
		For Class 52 Rating, Deduct	*-292.16*	
		For Class 54 Rating, Add	*199.20*	
		For Class 55 Rating, Add	*442.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.31	569.66
		For Class 52 Rating, Deduct	*-299.99*	
		For Class 54 Rating, Add	*204.54*	
		For Class 55 Rating, Add	*454.62*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,665.96	572.59
		For Class 52 Rating, Deduct	*-307.82*	
		For Class 54 Rating, Add	*209.88*	
		For Class 55 Rating, Add	*466.49*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,741.61	575.52
		For Class 52 Rating, Deduct	*-315.66*	
		For Class 54 Rating, Add	*215.22*	
		For Class 55 Rating, Add	*478.36*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,817.26	578.46
		For Class 52 Rating, Deduct	*-323.49*	
		For Class 54 Rating, Add	*220.56*	
		For Class 55 Rating, Add	*490.23*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.90	581.40
		For Class 52 Rating, Deduct	*-331.32*	
		For Class 54 Rating, Add	*225.90*	
		For Class 55 Rating, Add	*502.10*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,968.56	584.33
		For Class 52 Rating, Deduct	*-339.15*	
		For Class 54 Rating, Add	*231.24*	
		For Class 55 Rating, Add	*513.97*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,044.21	587.27
		For Class 52 Rating, Deduct	*-346.98*	
		For Class 54 Rating, Add	*236.58*	
		For Class 55 Rating, Add	*525.84*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,119.86	590.21
		For Class 52 Rating, Deduct	*-354.82*	
		For Class 54 Rating, Add	*241.92*	
		For Class 55 Rating, Add	*537.71*	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.50	593.14
		For Class 52 Rating, Deduct	*-362.65*	
		For Class 54 Rating, Add	*247.26*	
		For Class 55 Rating, Add	*549.58*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,271.15	596.08
		For Class 52 Rating, Deduct	*-370.48*	
		For Class 54 Rating, Add	*252.60*	
		For Class 55 Rating, Add	*561.45*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,346.80	599.02
		For Class 52 Rating, Deduct	*-378.31*	
		For Class 54 Rating, Add	*257.94*	
		For Class 55 Rating, Add	*573.31*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,422.46	601.95
		For Class 52 Rating, Deduct	*-386.14*	
		For Class 54 Rating, Add	*263.28*	
		For Class 55 Rating, Add	*585.18*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,892.62	563.79
		For Class 52 Rating, Deduct	*-114.22*	
		For Class 54 Rating, Add	*77.88*	
		For Class 55 Rating, Add	*173.10*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.27	566.72
		For Class 52 Rating, Deduct	*-123.38*	
		For Class 54 Rating, Add	*84.12*	
		For Class 55 Rating, Add	*186.97*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.91	569.66
		For Class 52 Rating, Deduct	*-132.53*	
		For Class 54 Rating, Add	*90.36*	
		For Class 55 Rating, Add	*200.84*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.56	572.59
		For Class 52 Rating, Deduct	*-141.68*	
		For Class 54 Rating, Add	*96.60*	
		For Class 55 Rating, Add	*214.71*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.21	575.52
		For Class 52 Rating, Deduct	*-150.83*	
		For Class 54 Rating, Add	*102.84*	
		For Class 55 Rating, Add	*228.58*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,330.86	578.46
		For Class 52 Rating, Deduct	*-159.98*	
		For Class 54 Rating, Add	*109.08*	
		For Class 55 Rating, Add	*242.45*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.50	581.40
		For Class 52 Rating, Deduct	*-169.14*	
		For Class 54 Rating, Add	*115.32*	
		For Class 55 Rating, Add	*256.32*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,506.16	584.33
		For Class 52 Rating, Deduct	*-178.29*	
		For Class 54 Rating, Add	*121.56*	
		For Class 55 Rating, Add	*270.19*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,593.81	587.27
		For Class 52 Rating, Deduct	*-187.44*	
		For Class 54 Rating, Add	*127.80*	
		For Class 55 Rating, Add	*284.06*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,681.46	590.21
		For Class 52 Rating, Deduct	*-196.59*	
		For Class 54 Rating, Add	*134.04*	
		For Class 55 Rating, Add	*297.93*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,769.10	593.14
		For Class 52 Rating, Deduct	*-205.74*	
		For Class 54 Rating, Add	*140.28*	
		For Class 55 Rating, Add	*311.80*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,856.75	596.08
		For Class 52 Rating, Deduct	*-214.90*	
		For Class 54 Rating, Add	*146.52*	
		For Class 55 Rating, Add	*325.67*	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,944.40	599.02
		For Class 52 Rating, Deduct	*-224.05*	
		For Class 54 Rating, Add	*152.76*	
		For Class 55 Rating, Add	*339.53*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.06	601.95
		For Class 52 Rating, Deduct	*-233.20*	
		For Class 54 Rating, Add	*159.00*	
		For Class 55 Rating, Add	*353.40*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,119.70	604.89
		For Class 52 Rating, Deduct	*-242.35*	
		For Class 54 Rating, Add	*165.24*	
		For Class 55 Rating, Add	*367.27*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.35	607.83
		For Class 52 Rating, Deduct	*-251.50*	
		For Class 54 Rating, Add	*171.48*	
		For Class 55 Rating, Add	*381.14*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,295.00	610.76
		For Class 52 Rating, Deduct	*-260.66*	
		For Class 54 Rating, Add	*177.72*	
		For Class 55 Rating, Add	*395.01*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,382.65	613.70
		For Class 52 Rating, Deduct	*-269.81*	
		For Class 54 Rating, Add	*183.96*	
		For Class 55 Rating, Add	*408.88*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,470.29	616.64
		For Class 52 Rating, Deduct	*-278.96*	
		For Class 54 Rating, Add	*190.20*	
		For Class 55 Rating, Add	*422.75*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,557.94	619.57
		For Class 52 Rating, Deduct	*-288.11*	
		For Class 54 Rating, Add	*196.44*	
		For Class 55 Rating, Add	*436.62*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,645.60	622.51
		For Class 52 Rating, Deduct	*-297.26*	
		For Class 54 Rating, Add	*202.68*	
		For Class 55 Rating, Add	*450.49*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.25	625.45
		For Class 52 Rating, Deduct	*-306.42*	
		For Class 54 Rating, Add	*208.92*	
		For Class 55 Rating, Add	*464.36*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,820.89	628.38
		For Class 52 Rating, Deduct	*-315.57*	
		For Class 54 Rating, Add	*215.16*	
		For Class 55 Rating, Add	*478.23*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.54	631.32
		For Class 52 Rating, Deduct	*-324.72*	
		For Class 54 Rating, Add	*221.40*	
		For Class 55 Rating, Add	*492.10*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.19	634.26
		For Class 52 Rating, Deduct	*-333.87*	
		For Class 54 Rating, Add	*227.64*	
		For Class 55 Rating, Add	*505.97*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,083.84	637.19
		For Class 52 Rating, Deduct	*-343.02*	
		For Class 54 Rating, Add	*233.88*	
		For Class 55 Rating, Add	*519.84*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,171.49	640.13
		For Class 52 Rating, Deduct	*-352.18*	
		For Class 54 Rating, Add	*240.12*	
		For Class 55 Rating, Add	*533.71*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,259.14	643.07
		For Class 52 Rating, Deduct	*-361.33*	
		For Class 54 Rating, Add	*246.36*	
		For Class 55 Rating, Add	*547.58*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,346.79	646.00
		For Class 52 Rating, Deduct	*-370.48*	
		For Class 54 Rating, Add	*252.60*	
		For Class 55 Rating, Add	*561.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.44	648.94
		For Class 52 Rating, Deduct	*-379.63*	
		For Class 54 Rating, Add	*258.84*	
		For Class 55 Rating, Add	*575.32*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,522.08	651.87
		For Class 52 Rating, Deduct	*-388.78*	
		For Class 54 Rating, Add	*265.08*	
		For Class 55 Rating, Add	*589.18*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,609.73	654.80
		For Class 52 Rating, Deduct	*-397.94*	
		For Class 54 Rating, Add	*271.32*	
		For Class 55 Rating, Add	*603.05*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,697.38	657.74
		For Class 52 Rating, Deduct	*-407.09*	
		For Class 54 Rating, Add	*277.56*	
		For Class 55 Rating, Add	*616.92*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,785.04	660.68
		For Class 52 Rating, Deduct	*-416.24*	
		For Class 54 Rating, Add	*283.80*	
		For Class 55 Rating, Add	*630.79*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.68	663.61
		For Class 52 Rating, Deduct	*-425.39*	
		For Class 54 Rating, Add	*290.04*	
		For Class 55 Rating, Add	*644.66*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,960.33	666.55
		For Class 52 Rating, Deduct	*-434.54*	
		For Class 54 Rating, Add	*296.28*	
		For Class 55 Rating, Add	*658.53*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,047.98	669.49
		For Class 52 Rating, Deduct	*-443.70*	
		For Class 54 Rating, Add	*302.52*	
		For Class 55 Rating, Add	*672.40*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,135.63	672.42
		For Class 52 Rating, Deduct	*-452.85*	
		For Class 54 Rating, Add	*308.76*	
		For Class 55 Rating, Add	*686.27*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.77	635.43
		For Class 52 Rating, Deduct	*-134.64*	
		For Class 54 Rating, Add	*91.80*	
		For Class 55 Rating, Add	*204.04*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,287.22	638.37
		For Class 52 Rating, Deduct	*-145.20*	
		For Class 54 Rating, Add	*99.00*	
		For Class 55 Rating, Add	*220.04*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,387.67	641.30
		For Class 52 Rating, Deduct	*-155.76*	
		For Class 54 Rating, Add	*106.20*	
		For Class 55 Rating, Add	*236.05*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,488.12	644.24
		For Class 52 Rating, Deduct	*-166.32*	
		For Class 54 Rating, Add	*113.40*	
		For Class 55 Rating, Add	*252.05*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,588.56	647.18
		For Class 52 Rating, Deduct	*-176.88*	
		For Class 54 Rating, Add	*120.60*	
		For Class 55 Rating, Add	*268.05*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,689.01	650.11
		For Class 52 Rating, Deduct	*-187.44*	
		For Class 54 Rating, Add	*127.80*	
		For Class 55 Rating, Add	*284.06*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.47	653.05
		For Class 52 Rating, Deduct	*-198.00*	
		For Class 54 Rating, Add	*135.00*	
		For Class 55 Rating, Add	*300.06*	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,889.92	655.99
		For Class 52 Rating, Deduct	*-208.56*	
		For Class 54 Rating, Add	*142.20*	
		For Class 55 Rating, Add	*316.06*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,990.36	658.92
		For Class 52 Rating, Deduct	*-219.12*	
		For Class 54 Rating, Add	*149.40*	
		For Class 55 Rating, Add	*332.07*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,090.81	661.86
		For Class 52 Rating, Deduct	*-229.68*	
		For Class 54 Rating, Add	*156.60*	
		For Class 55 Rating, Add	*348.07*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,191.26	664.79
		For Class 52 Rating, Deduct	*-240.24*	
		For Class 54 Rating, Add	*163.80*	
		For Class 55 Rating, Add	*364.07*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.71	667.72
		For Class 52 Rating, Deduct	*-250.80*	
		For Class 54 Rating, Add	*171.00*	
		For Class 55 Rating, Add	*380.08*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,392.16	670.66
		For Class 52 Rating, Deduct	*-261.36*	
		For Class 54 Rating, Add	*178.20*	
		For Class 55 Rating, Add	*396.08*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,492.61	673.60
		For Class 52 Rating, Deduct	*-271.92*	
		For Class 54 Rating, Add	*185.40*	
		For Class 55 Rating, Add	*412.08*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,593.06	676.53
		For Class 52 Rating, Deduct	*-282.48*	
		For Class 54 Rating, Add	*192.60*	
		For Class 55 Rating, Add	*428.09*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.51	679.47
		For Class 52 Rating, Deduct	*-293.04*	
		For Class 54 Rating, Add	*199.80*	
		For Class 55 Rating, Add	*444.09*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,793.95	682.41
		For Class 52 Rating, Deduct	*-303.60*	
		For Class 54 Rating, Add	*207.00*	
		For Class 55 Rating, Add	*460.09*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,894.40	685.34
		For Class 52 Rating, Deduct	*-314.16*	
		For Class 54 Rating, Add	*214.20*	
		For Class 55 Rating, Add	*476.10*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.85	688.28
		For Class 52 Rating, Deduct	*-324.72*	
		For Class 54 Rating, Add	*221.40*	
		For Class 55 Rating, Add	*492.10*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.31	691.22
		For Class 52 Rating, Deduct	*-335.28*	
		For Class 54 Rating, Add	*228.60*	
		For Class 55 Rating, Add	*508.10*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.75	694.15
		For Class 52 Rating, Deduct	*-345.84*	
		For Class 54 Rating, Add	*235.80*	
		For Class 55 Rating, Add	*524.10*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,296.20	697.09
		For Class 52 Rating, Deduct	*-356.40*	
		For Class 54 Rating, Add	*243.00*	
		For Class 55 Rating, Add	*540.11*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,396.65	700.03
		For Class 52 Rating, Deduct	*-366.96*	
		For Class 54 Rating, Add	*250.20*	
		For Class 55 Rating, Add	*556.11*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,497.10	702.96
		For Class 52 Rating, Deduct	*-377.52*	
		For Class 54 Rating, Add	*257.40*	
		For Class 55 Rating, Add	*572.11*	
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,597.54	705.90
		For Class 52 Rating, Deduct	*-388.08*	
		For Class 54 Rating, Add	*264.60*	
		For Class 55 Rating, Add	*588.12*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,698.00	708.84
		For Class 52 Rating, Deduct	*-398.64*	
		For Class 54 Rating, Add	*271.80*	
		For Class 55 Rating, Add	*604.12*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.45	711.78
		For Class 52 Rating, Deduct	*-409.20*	
		For Class 54 Rating, Add	*279.00*	
		For Class 55 Rating, Add	*620.12*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,898.90	714.71
		For Class 52 Rating, Deduct	*-419.76*	
		For Class 54 Rating, Add	*286.20*	
		For Class 55 Rating, Add	*636.13*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,999.34	717.65
		For Class 52 Rating, Deduct	*-430.32*	
		For Class 54 Rating, Add	*293.40*	
		For Class 55 Rating, Add	*652.13*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,099.79	720.59
		For Class 52 Rating, Deduct	*-440.88*	
		For Class 54 Rating, Add	*300.60*	
		For Class 55 Rating, Add	*668.13*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,200.24	723.52
		For Class 52 Rating, Deduct	*-451.44*	
		For Class 54 Rating, Add	*307.80*	
		For Class 55 Rating, Add	*684.14*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,300.69	726.46
		For Class 52 Rating, Deduct	*-462.00*	
		For Class 54 Rating, Add	*315.00*	
		For Class 55 Rating, Add	*700.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,401.14	729.40
		For Class 52 Rating, Deduct	*-472.56*	
		For Class 54 Rating, Add	*322.20*	
		For Class 55 Rating, Add	*716.14*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,501.59	732.33
		For Class 52 Rating, Deduct	*-483.12*	
		For Class 54 Rating, Add	*329.40*	
		For Class 55 Rating, Add	*732.15*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,602.04	735.27
		For Class 52 Rating, Deduct	*-493.68*	
		For Class 54 Rating, Add	*336.60*	
		For Class 55 Rating, Add	*748.15*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,702.49	738.21
		For Class 52 Rating, Deduct	*-504.24*	
		For Class 54 Rating, Add	*343.80*	
		For Class 55 Rating, Add	*764.15*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,802.93	741.14
		For Class 52 Rating, Deduct	*-514.80*	
		For Class 54 Rating, Add	*351.00*	
		For Class 55 Rating, Add	*780.16*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,903.38	744.07
		For Class 52 Rating, Deduct	*-525.36*	
		For Class 54 Rating, Add	*358.20*	
		For Class 55 Rating, Add	*796.16*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,546.11	725.29
		For Class 52 Rating, Deduct	*-159.19*	
		For Class 54 Rating, Add	*108.54*	
		For Class 55 Rating, Add	*241.25*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,660.96	728.21
		For Class 52 Rating, Deduct	*-171.34*	
		For Class 54 Rating, Add	*116.82*	
		For Class 55 Rating, Add	*259.65*	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,775.81	731.15
		For Class 52 Rating, Deduct	*-183.48*	
		For Class 54 Rating, Add	*125.10*	
		For Class 55 Rating, Add	*278.06*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,890.65	734.09
		For Class 52 Rating, Deduct	*-195.62*	
		For Class 54 Rating, Add	*133.38*	
		For Class 55 Rating, Add	*296.46*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,005.51	737.02
		For Class 52 Rating, Deduct	*-207.77*	
		For Class 54 Rating, Add	*141.66*	
		For Class 55 Rating, Add	*314.86*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,120.36	739.96
		For Class 52 Rating, Deduct	*-219.91*	
		For Class 54 Rating, Add	*149.94*	
		For Class 55 Rating, Add	*333.27*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,235.21	742.90
		For Class 52 Rating, Deduct	*-232.06*	
		For Class 54 Rating, Add	*158.22*	
		For Class 55 Rating, Add	*351.67*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.05	745.83
		For Class 52 Rating, Deduct	*-244.20*	
		For Class 54 Rating, Add	*166.50*	
		For Class 55 Rating, Add	*370.07*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,464.90	748.77
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*174.78*	
		For Class 55 Rating, Add	*388.48*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.75	751.71
		For Class 52 Rating, Deduct	*-268.49*	
		For Class 54 Rating, Add	*183.06*	
		For Class 55 Rating, Add	*406.88*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,694.61	754.64
		For Class 52 Rating, Deduct	*-280.63*	
		For Class 54 Rating, Add	*191.34*	
		For Class 55 Rating, Add	*425.29*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.45	757.58
		For Class 52 Rating, Deduct	*-292.78*	
		For Class 54 Rating, Add	*199.62*	
		For Class 55 Rating, Add	*443.69*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.30	760.52
		For Class 52 Rating, Deduct	*-304.92*	
		For Class 54 Rating, Add	*207.90*	
		For Class 55 Rating, Add	*462.09*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,039.15	763.45
		For Class 52 Rating, Deduct	*-317.06*	
		For Class 54 Rating, Add	*216.18*	
		For Class 55 Rating, Add	*480.50*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.00	766.39
		For Class 52 Rating, Deduct	*-329.21*	
		For Class 54 Rating, Add	*224.46*	
		For Class 55 Rating, Add	*498.90*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,268.84	769.33
		For Class 52 Rating, Deduct	*-341.35*	
		For Class 54 Rating, Add	*232.74*	
		For Class 55 Rating, Add	*517.30*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,383.69	772.26
		For Class 52 Rating, Deduct	*-353.50*	
		For Class 54 Rating, Add	*241.02*	
		For Class 55 Rating, Add	*535.71*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,498.55	775.20
		For Class 52 Rating, Deduct	*-365.64*	
		For Class 54 Rating, Add	*249.30*	
		For Class 55 Rating, Add	*554.11*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,613.40	778.14
		For Class 52 Rating, Deduct	*-377.78*	
		For Class 54 Rating, Add	*257.58*	
		For Class 55 Rating, Add	*572.51*	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,728.24	781.07
		For Class 52 Rating, Deduct	*-389.93*	
		For Class 54 Rating, Add	*265.86*	
		For Class 55 Rating, Add	*590.92*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,843.09	784.01
		For Class 52 Rating, Deduct	*-402.07*	
		For Class 54 Rating, Add	*274.14*	
		For Class 55 Rating, Add	*609.32*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,957.94	786.95
		For Class 52 Rating, Deduct	*-414.22*	
		For Class 54 Rating, Add	*282.42*	
		For Class 55 Rating, Add	*627.73*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,072.79	789.88
		For Class 52 Rating, Deduct	*-426.36*	
		For Class 54 Rating, Add	*290.70*	
		For Class 55 Rating, Add	*646.13*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,187.64	792.82
		For Class 52 Rating, Deduct	*-438.50*	
		For Class 54 Rating, Add	*298.98*	
		For Class 55 Rating, Add	*664.53*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,302.49	795.76
		For Class 52 Rating, Deduct	*-450.65*	
		For Class 54 Rating, Add	*307.26*	
		For Class 55 Rating, Add	*682.94*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,417.34	798.69
		For Class 52 Rating, Deduct	*-462.79*	
		For Class 54 Rating, Add	*315.54*	
		For Class 55 Rating, Add	*701.34*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,532.19	801.63
		For Class 52 Rating, Deduct	*-474.94*	
		For Class 54 Rating, Add	*323.82*	
		For Class 55 Rating, Add	*719.74*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,647.03	804.56
		For Class 52 Rating, Deduct	*-487.08*	
		For Class 54 Rating, Add	*332.10*	
		For Class 55 Rating, Add	*738.15*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,761.88	807.50
		For Class 52 Rating, Deduct	*-499.22*	
		For Class 54 Rating, Add	*340.38*	
		For Class 55 Rating, Add	*756.55*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,876.73	810.43
		For Class 52 Rating, Deduct	*-511.37*	
		For Class 54 Rating, Add	*348.66*	
		For Class 55 Rating, Add	*774.95*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,991.59	813.37
		For Class 52 Rating, Deduct	*-523.51*	
		For Class 54 Rating, Add	*356.94*	
		For Class 55 Rating, Add	*793.36*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,106.43	816.31
		For Class 52 Rating, Deduct	*-535.66*	
		For Class 54 Rating, Add	*365.22*	
		For Class 55 Rating, Add	*811.76*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,221.28	819.24
		For Class 52 Rating, Deduct	*-547.80*	
		For Class 54 Rating, Add	*373.50*	
		For Class 55 Rating, Add	*830.17*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,336.13	822.18
		For Class 52 Rating, Deduct	*-559.94*	
		For Class 54 Rating, Add	*381.78*	
		For Class 55 Rating, Add	*848.57*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.98	825.12
		For Class 52 Rating, Deduct	*-572.09*	
		For Class 54 Rating, Add	*390.06*	
		For Class 55 Rating, Add	*866.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,565.82	828.05
		For Class 52 Rating, Deduct	*-584.23*	
		For Class 54 Rating, Add	*398.34*	
		For Class 55 Rating, Add	*885.38*	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,680.68	830.99
		For Class 52 Rating, Deduct	*-596.38*	
		For Class 54 Rating, Add	*406.62*	
		For Class 55 Rating, Add	*903.78*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,795.53	833.93
		For Class 52 Rating, Deduct	*-608.52*	
		For Class 54 Rating, Add	*414.90*	
		For Class 55 Rating, Add	*922.18*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,105.52	857.42
		For Class 52 Rating, Deduct	*-198.70*	
		For Class 54 Rating, Add	*135.48*	
		For Class 55 Rating, Add	*301.13*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.77	860.36
		For Class 52 Rating, Deduct	*-213.75*	
		For Class 54 Rating, Add	*145.74*	
		For Class 55 Rating, Add	*323.93*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,388.01	863.29
		For Class 52 Rating, Deduct	*-228.80*	
		For Class 54 Rating, Add	*156.00*	
		For Class 55 Rating, Add	*346.74*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.26	866.23
		For Class 52 Rating, Deduct	*-243.85*	
		For Class 54 Rating, Add	*166.26*	
		For Class 55 Rating, Add	*369.54*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.52	869.17
		For Class 52 Rating, Deduct	*-258.90*	
		For Class 54 Rating, Add	*176.52*	
		For Class 55 Rating, Add	*392.35*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,811.77	872.10
		For Class 52 Rating, Deduct	*-273.94*	
		For Class 54 Rating, Add	*186.78*	
		For Class 55 Rating, Add	*415.15*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.01	875.04
		For Class 52 Rating, Deduct	*-288.99*	
		For Class 54 Rating, Add	*197.04*	
		For Class 55 Rating, Add	*437.95*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,094.26	877.98
		For Class 52 Rating, Deduct	*-304.04*	
		For Class 54 Rating, Add	*207.30*	
		For Class 55 Rating, Add	*460.76*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,235.51	880.90
		For Class 52 Rating, Deduct	*-319.09*	
		For Class 54 Rating, Add	*217.56*	
		For Class 55 Rating, Add	*483.56*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,376.76	883.84
		For Class 52 Rating, Deduct	*-334.14*	
		For Class 54 Rating, Add	*227.82*	
		For Class 55 Rating, Add	*506.37*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,518.00	886.78
		For Class 52 Rating, Deduct	*-349.18*	
		For Class 54 Rating, Add	*238.08*	
		For Class 55 Rating, Add	*529.17*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,659.26	889.71
		For Class 52 Rating, Deduct	*-364.23*	
		For Class 54 Rating, Add	*248.34*	
		For Class 55 Rating, Add	*551.98*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,800.51	892.65
		For Class 52 Rating, Deduct	*-379.28*	
		For Class 54 Rating, Add	*258.60*	
		For Class 55 Rating, Add	*574.78*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,941.76	895.59
		For Class 52 Rating, Deduct	*-394.33*	
		For Class 54 Rating, Add	*268.86*	
		For Class 55 Rating, Add	*597.59*	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,083.00	898.52
		For Class 52 Rating, Deduct	*-409.38*	
		For Class 54 Rating, Add	*279.12*	
		For Class 55 Rating, Add	*620.39*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,224.25	901.46
		For Class 52 Rating, Deduct	*-424.42*	
		For Class 54 Rating, Add	*289.38*	
		For Class 55 Rating, Add	*643.20*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,365.50	904.40
		For Class 52 Rating, Deduct	*-439.47*	
		For Class 54 Rating, Add	*299.64*	
		For Class 55 Rating, Add	*666.00*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,506.76	907.33
		For Class 52 Rating, Deduct	*-454.52*	
		For Class 54 Rating, Add	*309.90*	
		For Class 55 Rating, Add	*688.80*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,648.00	910.27
		For Class 52 Rating, Deduct	*-469.57*	
		For Class 54 Rating, Add	*320.16*	
		For Class 55 Rating, Add	*711.61*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,789.25	913.21
		For Class 52 Rating, Deduct	*-484.62*	
		For Class 54 Rating, Add	*330.42*	
		For Class 55 Rating, Add	*734.41*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,930.50	916.14
		For Class 52 Rating, Deduct	*-499.66*	
		For Class 54 Rating, Add	*340.68*	
		For Class 55 Rating, Add	*757.22*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,071.75	919.08
		For Class 52 Rating, Deduct	*-514.71*	
		For Class 54 Rating, Add	*350.94*	
		For Class 55 Rating, Add	*780.02*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,212.99	922.02
		For Class 52 Rating, Deduct	*-529.76*	
		For Class 54 Rating, Add	*361.20*	
		For Class 55 Rating, Add	*802.83*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,354.24	924.96
		For Class 52 Rating, Deduct	*-544.81*	
		For Class 54 Rating, Add	*371.46*	
		For Class 55 Rating, Add	*825.63*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,495.50	927.89
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*381.72*	
		For Class 55 Rating, Add	*848.44*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,636.75	930.83
		For Class 52 Rating, Deduct	*-574.90*	
		For Class 54 Rating, Add	*391.98*	
		For Class 55 Rating, Add	*871.24*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,777.99	933.77
		For Class 52 Rating, Deduct	*-589.95*	
		For Class 54 Rating, Add	*402.24*	
		For Class 55 Rating, Add	*894.05*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,919.24	936.70
		For Class 52 Rating, Deduct	*-605.00*	
		For Class 54 Rating, Add	*412.50*	
		For Class 55 Rating, Add	*916.85*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,060.49	939.64
		For Class 52 Rating, Deduct	*-620.05*	
		For Class 54 Rating, Add	*422.76*	
		For Class 55 Rating, Add	*939.65*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,277.37	992.49
		For Class 52 Rating, Deduct	*-635.10*	
		For Class 54 Rating, Add	*433.02*	
		For Class 55 Rating, Add	*962.46*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,418.62	995.43
		For Class 52 Rating, Deduct	*-650.14*	
		For Class 54 Rating, Add	*443.28*	
		For Class 55 Rating, Add	*985.26*	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,559.87	998.36
		For Class 52 Rating, Deduct	*-665.19*	
		For Class 54 Rating, Add	*453.54*	
		For Class 55 Rating, Add	*1,008.07*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,701.12	1,001.30
		For Class 52 Rating, Deduct	*-680.24*	
		For Class 54 Rating, Add	*463.80*	
		For Class 55 Rating, Add	*1,030.87*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,842.37	1,004.24
		For Class 52 Rating, Deduct	*-695.29*	
		For Class 54 Rating, Add	*474.06*	
		For Class 55 Rating, Add	*1,053.68*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,983.62	1,007.17
		For Class 52 Rating, Deduct	*-710.34*	
		For Class 54 Rating, Add	*484.32*	
		For Class 55 Rating, Add	*1,076.48*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,124.87	1,010.11
		For Class 52 Rating, Deduct	*-725.38*	
		For Class 54 Rating, Add	*494.58*	
		For Class 55 Rating, Add	*1,099.29*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,266.12	1,013.05
		For Class 52 Rating, Deduct	*-740.43*	
		For Class 54 Rating, Add	*504.84*	
		For Class 55 Rating, Add	*1,122.09*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,407.36	1,015.98
		For Class 52 Rating, Deduct	*-755.48*	
		For Class 54 Rating, Add	*515.10*	
		For Class 55 Rating, Add	*1,144.90*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398		30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,705.00	1,209.78
		For Class 52 Rating, Deduct	*-315.92*	
		For Class 54 Rating, Add	*215.40*	
		For Class 55 Rating, Add	*478.76*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,907.05	1,212.72
		For Class 52 Rating, Deduct	*-337.66*	
		For Class 54 Rating, Add	*230.22*	
		For Class 55 Rating, Add	*511.70*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,109.10	1,215.65
		For Class 52 Rating, Deduct	*-359.39*	
		For Class 54 Rating, Add	*245.04*	
		For Class 55 Rating, Add	*544.64*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,311.15	1,218.59
		For Class 52 Rating, Deduct	*-381.13*	
		For Class 54 Rating, Add	*259.86*	
		For Class 55 Rating, Add	*577.58*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,513.20	1,221.53
		For Class 52 Rating, Deduct	*-402.86*	
		For Class 54 Rating, Add	*274.68*	
		For Class 55 Rating, Add	*610.52*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,715.24	1,224.46
		For Class 52 Rating, Deduct	*-424.60*	
		For Class 54 Rating, Add	*289.50*	
		For Class 55 Rating, Add	*643.46*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,917.29	1,227.40
		For Class 52 Rating, Deduct	*-446.34*	
		For Class 54 Rating, Add	*304.32*	
		For Class 55 Rating, Add	*676.40*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,119.34	1,230.34
		For Class 52 Rating, Deduct	*-468.07*	
		For Class 54 Rating, Add	*319.14*	
		For Class 55 Rating, Add	*709.34*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,321.40	1,233.27
		For Class 52 Rating, Deduct	*-489.81*	
		For Class 54 Rating, Add	*333.96*	
		For Class 55 Rating, Add	*742.28*	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,523.44	1,236.21
		For Class 52 Rating, Deduct	*-511.54*	
		For Class 54 Rating, Add	*348.78*	
		For Class 55 Rating, Add	*775.22*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,725.49	1,239.15
		For Class 52 Rating, Deduct	*-533.28*	
		For Class 54 Rating, Add	*363.60*	
		For Class 55 Rating, Add	*808.16*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,927.54	1,242.08
		For Class 52 Rating, Deduct	*-555.02*	
		For Class 54 Rating, Add	*378.42*	
		For Class 55 Rating, Add	*841.10*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,129.59	1,245.02
		For Class 52 Rating, Deduct	*-576.75*	
		For Class 54 Rating, Add	*393.24*	
		For Class 55 Rating, Add	*874.04*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,331.63	1,247.96
		For Class 52 Rating, Deduct	*-598.49*	
		For Class 54 Rating, Add	*408.06*	
		For Class 55 Rating, Add	*906.98*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,533.69	1,250.89
		For Class 52 Rating, Deduct	*-620.22*	
		For Class 54 Rating, Add	*422.88*	
		For Class 55 Rating, Add	*939.92*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,735.74	1,253.83
		For Class 52 Rating, Deduct	*-641.96*	
		For Class 54 Rating, Add	*437.70*	
		For Class 55 Rating, Add	*972.86*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,937.79	1,256.77
		For Class 52 Rating, Deduct	*-663.70*	
		For Class 54 Rating, Add	*452.52*	
		For Class 55 Rating, Add	*1,005.80*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,139.83	1,259.70
		For Class 52 Rating, Deduct	*-685.43*	
		For Class 54 Rating, Add	*467.34*	
		For Class 55 Rating, Add	*1,038.74*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,341.88	1,262.63
		For Class 52 Rating, Deduct	*-707.17*	
		For Class 54 Rating, Add	*482.16*	
		For Class 55 Rating, Add	*1,071.68*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,543.93	1,265.57
		For Class 52 Rating, Deduct	*-728.90*	
		For Class 54 Rating, Add	*496.98*	
		For Class 55 Rating, Add	*1,104.62*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,745.98	1,268.50
		For Class 52 Rating, Deduct	*-750.64*	
		For Class 54 Rating, Add	*511.80*	
		For Class 55 Rating, Add	*1,137.56*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,948.03	1,271.44
		For Class 52 Rating, Deduct	*-772.38*	
		For Class 54 Rating, Add	*526.62*	
		For Class 55 Rating, Add	*1,170.50*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,150.08	1,274.38
		For Class 52 Rating, Deduct	*-794.11*	
		For Class 54 Rating, Add	*541.44*	
		For Class 55 Rating, Add	*1,203.44*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,352.13	1,277.31
		For Class 52 Rating, Deduct	*-815.85*	
		For Class 54 Rating, Add	*556.26*	
		For Class 55 Rating, Add	*1,236.38*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,553.38	1,280.25
		For Class 52 Rating, Deduct	*-837.50*	
		For Class 54 Rating, Add	*571.02*	
		For Class 55 Rating, Add	*1,269.19*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,756.22	1,283.19
		For Class 52 Rating, Deduct	*-859.32*	
		For Class 54 Rating, Add	*585.90*	
		For Class 55 Rating, Add	*1,302.26*	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,958.27	1,286.12
		For Class 52 Rating, Deduct	*-881.06*	
		For Class 54 Rating, Add	*600.72*	
		For Class 55 Rating, Add	*1,335.20*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,160.33	1,289.06
		For Class 52 Rating, Deduct	*-902.79*	
		For Class 54 Rating, Add	*615.54*	
		For Class 55 Rating, Add	*1,368.14*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,362.38	1,292.00
		For Class 52 Rating, Deduct	*-924.53*	
		For Class 54 Rating, Add	*630.36*	
		For Class 55 Rating, Add	*1,401.08*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,564.42	1,294.93
		For Class 52 Rating, Deduct	*-946.26*	
		For Class 54 Rating, Add	*645.18*	
		For Class 55 Rating, Add	*1,434.02*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,766.47	1,297.87
		For Class 52 Rating, Deduct	*-968.00*	
		For Class 54 Rating, Add	*660.00*	
		For Class 55 Rating, Add	*1,466.96*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,968.52	1,300.81
		For Class 52 Rating, Deduct	*-989.74*	
		For Class 54 Rating, Add	*674.82*	
		For Class 55 Rating, Add	*1,499.90*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,170.57	1,303.75
		For Class 52 Rating, Deduct	*-1,011.47*	
		For Class 54 Rating, Add	*689.64*	
		For Class 55 Rating, Add	*1,532.84*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,372.61	1,306.68
		For Class 52 Rating, Deduct	*-1,033.21*	
		For Class 54 Rating, Add	*704.46*	
		For Class 55 Rating, Add	*1,565.78*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,574.67	1,309.62
		For Class 52 Rating, Deduct	*-1,054.94*	
		For Class 54 Rating, Add	*719.28*	
		For Class 55 Rating, Add	*1,598.72*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,776.72	1,312.56
		For Class 52 Rating, Deduct	*-1,076.68*	
		For Class 54 Rating, Add	*734.10*	
		For Class 55 Rating, Add	*1,631.66*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,978.77	1,315.49
		For Class 52 Rating, Deduct	*-1,098.42*	
		For Class 54 Rating, Add	*748.92*	
		For Class 55 Rating, Add	*1,664.60*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,180.81	1,318.43
		For Class 52 Rating, Deduct	*-1,120.15*	
		For Class 54 Rating, Add	*763.74*	
		For Class 55 Rating, Add	*1,697.54*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,431.99	1,532.78
		For Class 52 Rating, Deduct	*-452.06*	
		For Class 54 Rating, Add	*308.22*	
		For Class 55 Rating, Add	*685.07*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,705.24	1,535.72
		For Class 52 Rating, Deduct	*-481.62*	
		For Class 54 Rating, Add	*328.38*	
		For Class 55 Rating, Add	*729.88*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,978.50	1,538.65
		For Class 52 Rating, Deduct	*-511.19*	
		For Class 54 Rating, Add	*348.54*	
		For Class 55 Rating, Add	*774.69*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,251.74	1,541.59
		For Class 52 Rating, Deduct	*-540.76*	
		For Class 54 Rating, Add	*368.70*	
		For Class 55 Rating, Add	*819.50*	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,524.99	1,544.53
		For Class 52 Rating, Deduct	*-570.33*	
		For Class 54 Rating, Add	*388.86*	
		For Class 55 Rating, Add	*864.31*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,798.24	1,547.47
		For Class 52 Rating, Deduct	*-599.90*	
		For Class 54 Rating, Add	*409.02*	
		For Class 55 Rating, Add	*909.12*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,071.49	1,550.40
		For Class 52 Rating, Deduct	*-629.46*	
		For Class 54 Rating, Add	*429.18*	
		For Class 55 Rating, Add	*953.92*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,344.73	1,553.34
		For Class 52 Rating, Deduct	*-659.03*	
		For Class 54 Rating, Add	*449.34*	
		For Class 55 Rating, Add	*998.73*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,617.99	1,556.28
		For Class 52 Rating, Deduct	*-688.60*	
		For Class 54 Rating, Add	*469.50*	
		For Class 55 Rating, Add	*1,043.54*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,891.24	1,559.21
		For Class 52 Rating, Deduct	*-718.17*	
		For Class 54 Rating, Add	*489.66*	
		For Class 55 Rating, Add	*1,088.35*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,164.49	1,562.15
		For Class 52 Rating, Deduct	*-747.74*	
		For Class 54 Rating, Add	*509.82*	
		For Class 55 Rating, Add	*1,133.16*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,437.73	1,565.09
		For Class 52 Rating, Deduct	*-777.30*	
		For Class 54 Rating, Add	*529.98*	
		For Class 55 Rating, Add	*1,177.97*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,710.98	1,568.01
		For Class 52 Rating, Deduct	*-806.87*	
		For Class 54 Rating, Add	*550.14*	
		For Class 55 Rating, Add	*1,222.78*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,984.23	1,570.95
		For Class 52 Rating, Deduct	*-836.44*	
		For Class 54 Rating, Add	*570.30*	
		For Class 55 Rating, Add	*1,267.59*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,257.48	1,573.89
		For Class 52 Rating, Deduct	*-866.01*	
		For Class 54 Rating, Add	*590.46*	
		For Class 55 Rating, Add	*1,312.40*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,530.73	1,576.82
		For Class 52 Rating, Deduct	*-895.58*	
		For Class 54 Rating, Add	*610.62*	
		For Class 55 Rating, Add	*1,357.20*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,803.98	1,579.76
		For Class 52 Rating, Deduct	*-925.14*	
		For Class 54 Rating, Add	*630.78*	
		For Class 55 Rating, Add	*1,402.01*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,077.23	1,582.70
		For Class 52 Rating, Deduct	*-954.71*	
		For Class 54 Rating, Add	*650.94*	
		For Class 55 Rating, Add	*1,446.82*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,350.48	1,585.63
		For Class 52 Rating, Deduct	*-984.28*	
		For Class 54 Rating, Add	*671.10*	
		For Class 55 Rating, Add	*1,491.63*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,623.72	1,588.57
		For Class 52 Rating, Deduct	*-1,013.85*	
		For Class 54 Rating, Add	*691.26*	
		For Class 55 Rating, Add	*1,536.44*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,896.97	1,591.51
		For Class 52 Rating, Deduct	*-1,043.42*	
		For Class 54 Rating, Add	*711.42*	
		For Class 55 Rating, Add	*1,581.25*	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,170.23	1,594.44
		For Class 52 Rating, Deduct	*-1,072.98*	
		For Class 54 Rating, Add	*731.58*	
		For Class 55 Rating, Add	*1,626.06*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,443.48	1,597.38
		For Class 52 Rating, Deduct	*-1,102.55*	
		For Class 54 Rating, Add	*751.74*	
		For Class 55 Rating, Add	*1,670.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,716.72	1,600.32
		For Class 52 Rating, Deduct	*-1,132.12*	
		For Class 54 Rating, Add	*771.90*	
		For Class 55 Rating, Add	*1,715.68*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,989.97	1,603.25
		For Class 52 Rating, Deduct	*-1,161.69*	
		For Class 54 Rating, Add	*792.06*	
		For Class 55 Rating, Add	*1,760.49*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,263.22	1,606.19
		For Class 52 Rating, Deduct	*-1,191.26*	
		For Class 54 Rating, Add	*812.22*	
		For Class 55 Rating, Add	*1,805.29*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,536.47	1,609.13
		For Class 52 Rating, Deduct	*-1,220.82*	
		For Class 54 Rating, Add	*832.38*	
		For Class 55 Rating, Add	*1,850.10*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,809.71	1,612.06
		For Class 52 Rating, Deduct	*-1,250.39*	
		For Class 54 Rating, Add	*852.54*	
		For Class 55 Rating, Add	*1,894.91*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,082.97	1,615.00
		For Class 52 Rating, Deduct	*-1,279.96*	
		For Class 54 Rating, Add	*872.70*	
		For Class 55 Rating, Add	*1,939.72*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,356.22	1,617.94
		For Class 52 Rating, Deduct	*-1,309.53*	
		For Class 54 Rating, Add	*892.86*	
		For Class 55 Rating, Add	*1,984.53*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,629.47	1,620.87
		For Class 52 Rating, Deduct	*-1,339.10*	
		For Class 54 Rating, Add	*913.02*	
		For Class 55 Rating, Add	*2,029.34*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,902.71	1,623.81
		For Class 52 Rating, Deduct	*-1,368.66*	
		For Class 54 Rating, Add	*933.18*	
		For Class 55 Rating, Add	*2,074.15*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,175.96	1,626.75
		For Class 52 Rating, Deduct	*-1,398.23*	
		For Class 54 Rating, Add	*953.34*	
		For Class 55 Rating, Add	*2,118.96*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,449.21	1,629.68
		For Class 52 Rating, Deduct	*-1,427.80*	
		For Class 54 Rating, Add	*973.50*	
		For Class 55 Rating, Add	*2,163.77*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,722.47	1,632.62
		For Class 52 Rating, Deduct	*-1,457.37*	
		For Class 54 Rating, Add	*993.66*	
		For Class 55 Rating, Add	*2,208.57*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,995.71	1,635.56
		For Class 52 Rating, Deduct	*-1,486.94*	
		For Class 54 Rating, Add	*1,013.82*	
		For Class 55 Rating, Add	*2,253.38*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,268.96	1,638.49
		For Class 52 Rating, Deduct	*-1,516.50*	
		For Class 54 Rating, Add	*1,033.98*	
		For Class 55 Rating, Add	*2,298.19*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,542.21	1,641.43
		For Class 52 Rating, Deduct	*-1,546.07*	
		For Class 54 Rating, Add	*1,054.14*	
		For Class 55 Rating, Add	*2,343.00*	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,409.86	1,932.13
		For Class 52 Rating, Deduct	*-603.06*	
		For Class 54 Rating, Add	*411.18*	
		For Class 55 Rating, Add	*913.92*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,815.91	1,935.07
		For Class 52 Rating, Deduct	*-647.24*	
		For Class 54 Rating, Add	*441.30*	
		For Class 55 Rating, Add	*980.86*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,217.17	1,938.00
		For Class 52 Rating, Deduct	*-690.89*	
		For Class 54 Rating, Add	*471.06*	
		For Class 55 Rating, Add	*1,047.01*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,622.41	1,940.94
		For Class 52 Rating, Deduct	*-734.98*	
		For Class 54 Rating, Add	*501.12*	
		For Class 55 Rating, Add	*1,113.82*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,023.66	1,943.88
		For Class 52 Rating, Deduct	*-778.62*	
		For Class 54 Rating, Add	*530.88*	
		For Class 55 Rating, Add	*1,179.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,429.71	1,946.81
		For Class 52 Rating, Deduct	*-822.80*	
		For Class 54 Rating, Add	*561.00*	
		For Class 55 Rating, Add	*1,246.92*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,830.16	1,949.74
		For Class 52 Rating, Deduct	*-866.36*	
		For Class 54 Rating, Add	*590.70*	
		For Class 55 Rating, Add	*1,312.93*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,236.20	1,952.68
		For Class 52 Rating, Deduct	*-910.54*	
		For Class 54 Rating, Add	*620.82*	
		For Class 55 Rating, Add	*1,379.88*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,637.45	1,955.61
		For Class 52 Rating, Deduct	*-954.18*	
		For Class 54 Rating, Add	*650.58*	
		For Class 55 Rating, Add	*1,446.02*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,042.71	1,958.55
		For Class 52 Rating, Deduct	*-998.27*	
		For Class 54 Rating, Add	*680.64*	
		For Class 55 Rating, Add	*1,512.84*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,443.96	1,961.49
		For Class 52 Rating, Deduct	*-1,041.92*	
		For Class 54 Rating, Add	*710.40*	
		For Class 55 Rating, Add	*1,578.98*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,849.20	1,964.42
		For Class 52 Rating, Deduct	*-1,086.01*	
		For Class 54 Rating, Add	*740.46*	
		For Class 55 Rating, Add	*1,645.80*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,250.45	1,967.36
		For Class 52 Rating, Deduct	*-1,129.66*	
		For Class 54 Rating, Add	*770.22*	
		For Class 55 Rating, Add	*1,711.94*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,652.50	1,970.30
		For Class 52 Rating, Deduct	*-1,173.39*	
		For Class 54 Rating, Add	*800.04*	
		For Class 55 Rating, Add	*1,778.22*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,056.95	1,973.23
		For Class 52 Rating, Deduct	*-1,217.39*	
		For Class 54 Rating, Add	*830.04*	
		For Class 55 Rating, Add	*1,844.90*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,458.20	1,976.17
		For Class 52 Rating, Deduct	*-1,261.04*	
		For Class 54 Rating, Add	*859.80*	
		For Class 55 Rating, Add	*1,911.05*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,864.25	1,979.11
		For Class 52 Rating, Deduct	*-1,305.22*	
		For Class 54 Rating, Add	*889.92*	
		For Class 55 Rating, Add	*1,978.00*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,265.50	1,982.04
		For Class 52 Rating, Deduct	*-1,348.86*	
		For Class 54 Rating, Add	*919.68*	
		For Class 55 Rating, Add	*2,044.14*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,670.75	1,984.98
		For Class 52 Rating, Deduct	*-1,392.95*	
		For Class 54 Rating, Add	*949.74*	
		For Class 55 Rating, Add	*2,110.96*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,071.99	1,987.92
		For Class 52 Rating, Deduct	*-1,436.60*	
		For Class 54 Rating, Add	*979.50*	
		For Class 55 Rating, Add	*2,177.10*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,478.04	1,990.85
		For Class 52 Rating, Deduct	*-1,480.78*	
		For Class 54 Rating, Add	*1,009.62*	
		For Class 55 Rating, Add	*2,244.05*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,879.29	1,993.79
		For Class 52 Rating, Deduct	*-1,524.42*	
		For Class 54 Rating, Add	*1,039.38*	
		For Class 55 Rating, Add	*2,310.20*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,284.55	1,996.73
		For Class 52 Rating, Deduct	*-1,568.51*	
		For Class 54 Rating, Add	*1,069.44*	
		For Class 55 Rating, Add	*2,377.01*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,685.79	1,999.66
		For Class 52 Rating, Deduct	*-1,612.16*	
		For Class 54 Rating, Add	*1,099.20*	
		For Class 55 Rating, Add	*2,443.16*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,091.84	2,002.60
		For Class 52 Rating, Deduct	*-1,656.34*	
		For Class 54 Rating, Add	*1,129.32*	
		For Class 55 Rating, Add	*2,510.10*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,493.09	2,005.54
		For Class 52 Rating, Deduct	*-1,699.98*	
		For Class 54 Rating, Add	*1,159.08*	
		For Class 55 Rating, Add	*2,576.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,897.54	2,008.47
		For Class 52 Rating, Deduct	*-1,743.98*	
		For Class 54 Rating, Add	*1,189.08*	
		For Class 55 Rating, Add	*2,642.93*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,299.58	2,011.41
		For Class 52 Rating, Deduct	*-1,787.72*	
		For Class 54 Rating, Add	*1,218.90*	
		For Class 55 Rating, Add	*2,709.21*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,620.84	2,014.35
		For Class 52 Rating, Deduct	*-1,822.57*	
		For Class 54 Rating, Add	*1,242.66*	
		For Class 55 Rating, Add	*2,762.02*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,106.09	2,017.28
		For Class 52 Rating, Deduct	*-1,875.46*	
		For Class 54 Rating, Add	*1,278.72*	
		For Class 55 Rating, Add	*2,842.17*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,507.34	2,020.22
		For Class 52 Rating, Deduct	*-1,919.10*	
		For Class 54 Rating, Add	*1,308.48*	
		For Class 55 Rating, Add	*2,908.31*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,912.58	2,023.16
		For Class 52 Rating, Deduct	*-1,963.19*	
		For Class 54 Rating, Add	*1,338.54*	
		For Class 55 Rating, Add	*2,975.13*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,313.83	2,026.08
		For Class 52 Rating, Deduct	*-2,006.84*	
		For Class 54 Rating, Add	*1,368.30*	
		For Class 55 Rating, Add	*3,041.27*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,719.88	2,029.02
		For Class 52 Rating, Deduct	*-2,051.02*	
		For Class 54 Rating, Add	*1,398.42*	
		For Class 55 Rating, Add	*3,108.22*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,120.33	2,031.96
		For Class 52 Rating, Deduct	*-2,094.58*	
		For Class 54 Rating, Add	*1,428.12*	
		For Class 55 Rating, Add	*3,174.23*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,526.38	2,034.89
		For Class 52 Rating, Deduct	*-2,138.75*	
		For Class 54 Rating, Add	*1,458.24*	
		For Class 55 Rating, Add	*3,241.18*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,927.63	2,037.83
		For Class 52 Rating, Deduct	*-2,182.40*	
		For Class 54 Rating, Add	*1,488.00*	
		For Class 55 Rating, Add	*3,307.33*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,332.88	2,040.77
		For Class 52 Rating, Deduct	*-2,226.49*	
		For Class 54 Rating, Add	*1,518.06*	
		For Class 55 Rating, Add	*3,374.14*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,552.95	2,428.37
		For Class 52 Rating, Deduct	*-756.10*	
		For Class 54 Rating, Add	*515.52*	
		For Class 55 Rating, Add	*1,145.83*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,142.19	2,431.31
		For Class 52 Rating, Deduct	*-820.42*	
		For Class 54 Rating, Add	*559.38*	
		For Class 55 Rating, Add	*1,243.32*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,730.65	2,434.24
		For Class 52 Rating, Deduct	*-884.66*	
		For Class 54 Rating, Add	*603.18*	
		For Class 55 Rating, Add	*1,340.67*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,323.90	2,437.18
		For Class 52 Rating, Deduct	*-949.43*	
		For Class 54 Rating, Add	*647.34*	
		For Class 55 Rating, Add	*1,438.82*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,913.15	2,440.12
		For Class 52 Rating, Deduct	*-1,013.76*	
		For Class 54 Rating, Add	*691.20*	
		For Class 55 Rating, Add	*1,536.31*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,502.39	2,443.05
		For Class 52 Rating, Deduct	*-1,078.09*	
		For Class 54 Rating, Add	*735.06*	
		For Class 55 Rating, Add	*1,633.79*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,094.84	2,445.99
		For Class 52 Rating, Deduct	*-1,142.77*	
		For Class 54 Rating, Add	*779.16*	
		For Class 55 Rating, Add	*1,731.81*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,684.89	2,448.93
		For Class 52 Rating, Deduct	*-1,207.18*	
		For Class 54 Rating, Add	*823.08*	
		For Class 55 Rating, Add	*1,829.43*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,273.34	2,451.86
		For Class 52 Rating, Deduct	*-1,271.42*	
		For Class 54 Rating, Add	*866.88*	
		For Class 55 Rating, Add	*1,926.79*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,866.59	2,454.80
		For Class 52 Rating, Deduct	*-1,336.19*	
		For Class 54 Rating, Add	*911.04*	
		For Class 55 Rating, Add	*2,024.94*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,455.84	2,457.74
		For Class 52 Rating, Deduct	*-1,400.52*	
		For Class 54 Rating, Add	*954.90*	
		For Class 55 Rating, Add	*2,122.42*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,049.09	2,460.67
		For Class 52 Rating, Deduct	*-1,465.29*	
		For Class 54 Rating, Add	*999.06*	
		For Class 55 Rating, Add	*2,220.58*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,637.54	2,463.61
		For Class 52 Rating, Deduct	*-1,529.53*	
		For Class 54 Rating, Add	*1,042.86*	
		For Class 55 Rating, Add	*2,317.93*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,226.78	2,466.55
		For Class 52 Rating, Deduct	*-1,593.86*	
		For Class 54 Rating, Add	*1,086.72*	
		For Class 55 Rating, Add	*2,415.42*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,820.03	2,469.48
		For Class 52 Rating, Deduct	*-1,658.62*	
		For Class 54 Rating, Add	*1,130.88*	
		For Class 55 Rating, Add	*2,513.57*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,409.29	2,472.42
		For Class 52 Rating, Deduct	*-1,722.95*	
		For Class 54 Rating, Add	*1,174.74*	
		For Class 55 Rating, Add	*2,611.06*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,997.74	2,475.36
		For Class 52 Rating, Deduct	*-1,787.19*	
		For Class 54 Rating, Add	*1,218.54*	
		For Class 55 Rating, Add	*2,708.41*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,590.98	2,478.29
		For Class 52 Rating, Deduct	*-1,851.96*	
		For Class 54 Rating, Add	*1,262.70*	
		For Class 55 Rating, Add	*2,806.56*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,180.23	2,481.23
		For Class 52 Rating, Deduct	*-1,916.29*	
		For Class 54 Rating, Add	*1,306.56*	
		For Class 55 Rating, Add	*2,904.05*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,768.68	2,484.16
		For Class 52 Rating, Deduct	*-1,980.53*	
		For Class 54 Rating, Add	*1,350.36*	
		For Class 55 Rating, Add	*3,001.40*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,361.93	2,487.09
		For Class 52 Rating, Deduct	*-2,045.30*	
		For Class 54 Rating, Add	*1,394.52*	
		For Class 55 Rating, Add	*3,099.55*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,951.97	2,490.03
		For Class 52 Rating, Deduct	*-2,109.71*	
		For Class 54 Rating, Add	*1,438.44*	
		For Class 55 Rating, Add	*3,197.17*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,540.43	2,492.97
		For Class 52 Rating, Deduct	*-2,173.95*	
		For Class 54 Rating, Add	*1,482.24*	
		For Class 55 Rating, Add	*3,294.53*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,133.68	2,495.90
		For Class 52 Rating, Deduct	*-2,238.72*	
		For Class 54 Rating, Add	*1,526.40*	
		For Class 55 Rating, Add	*3,392.68*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,722.93	2,498.84
		For Class 52 Rating, Deduct	*-2,303.05*	
		For Class 54 Rating, Add	*1,570.26*	
		For Class 55 Rating, Add	*3,490.16*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,311.37	2,501.78
		For Class 52 Rating, Deduct	*-2,367.29*	
		For Class 54 Rating, Add	*1,614.06*	
		For Class 55 Rating, Add	*3,587.52*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,904.62	2,504.71
		For Class 52 Rating, Deduct	*-2,432.06*	
		For Class 54 Rating, Add	*1,658.22*	
		For Class 55 Rating, Add	*3,685.67*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,493.87	2,507.65
		For Class 52 Rating, Deduct	*-2,496.38*	
		For Class 54 Rating, Add	*1,702.08*	
		For Class 55 Rating, Add	*3,783.16*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,011.13	2,510.59
		For Class 52 Rating, Deduct	*-2,552.79*	
		For Class 54 Rating, Add	*1,740.54*	
		For Class 55 Rating, Add	*3,868.64*	

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545		EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,676.37	2,513.52
			For Class 52 Rating, Deduct	*-2,625.48*	
			For Class 54 Rating, Add	*1,790.10*	
			For Class 55 Rating, Add	*3,978.80*	
40 05 19 00-0546		EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,264.82	2,516.46
			For Class 52 Rating, Deduct	*-2,689.72*	
			For Class 54 Rating, Add	*1,833.90*	
			For Class 55 Rating, Add	*4,076.15*	
40 05 19 00-0547		EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,858.87	2,519.40
			For Class 52 Rating, Deduct	*-2,754.58*	
			For Class 54 Rating, Add	*1,878.12*	
			For Class 55 Rating, Add	*4,174.43*	
40 05 19 00-0548		EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,447.32	2,522.33
			For Class 52 Rating, Deduct	*-2,818.82*	
			For Class 54 Rating, Add	*1,921.92*	
			For Class 55 Rating, Add	*4,271.79*	
40 05 19 00-0549		EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,035.76	2,525.27
			For Class 52 Rating, Deduct	*-2,883.06*	
			For Class 54 Rating, Add	*1,965.72*	
			For Class 55 Rating, Add	*4,369.14*	
40 05 19 00-0550		EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,629.81	2,528.21
			For Class 52 Rating, Deduct	*-2,947.91*	
			For Class 54 Rating, Add	*2,009.94*	
			For Class 55 Rating, Add	*4,467.43*	
40 05 19 00-0551		EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,218.27	2,531.15
			For Class 52 Rating, Deduct	*-3,012.15*	
			For Class 54 Rating, Add	*2,053.74*	
			For Class 55 Rating, Add	*4,564.78*	
40 05 19 00-0552		EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,807.52	2,534.08
			For Class 52 Rating, Deduct	*-3,076.48*	
			For Class 54 Rating, Add	*2,097.60*	
			For Class 55 Rating, Add	*4,662.27*	
40 05 19 00-0553		EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,400.76	2,537.02
			For Class 52 Rating, Deduct	*-3,141.25*	
			For Class 54 Rating, Add	*2,141.76*	
			For Class 55 Rating, Add	*4,760.42*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556		EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	339.59	134.37
			For Class 52 Rating, Deduct	*-14.96*	
			For Class 54 Rating, Add	*10.20*	
			For Class 55 Rating, Add	*22.67*	
40 05 19 00-0557		EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	363.95	136.72
			For Class 52 Rating, Deduct	*-17.25*	
			For Class 54 Rating, Add	*11.76*	
			For Class 55 Rating, Add	*26.14*	
40 05 19 00-0558		EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	388.31	139.06
			For Class 52 Rating, Deduct	*-19.54*	
			For Class 54 Rating, Add	*13.32*	
			For Class 55 Rating, Add	*29.61*	
40 05 19 00-0559		EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	412.67	141.42
			For Class 52 Rating, Deduct	*-21.82*	
			For Class 54 Rating, Add	*14.88*	
			For Class 55 Rating, Add	*33.07*	
40 05 19 00-0560		EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	437.03	143.76
			For Class 52 Rating, Deduct	*-24.11*	
			For Class 54 Rating, Add	*16.44*	
			For Class 55 Rating, Add	*36.54*	
40 05 19 00-0561		EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	461.39	146.12
			For Class 52 Rating, Deduct	*-26.40*	
			For Class 54 Rating, Add	*18.00*	
			For Class 55 Rating, Add	*40.01*	
40 05 19 00-0562		EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	485.75	148.47
			For Class 52 Rating, Deduct	*-28.69*	
			For Class 54 Rating, Add	*19.56*	
			For Class 55 Rating, Add	*43.48*	
40 05 19 00-0563		EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	510.10	150.81
			For Class 52 Rating, Deduct	*-30.98*	
			For Class 54 Rating, Add	*21.12*	
			For Class 55 Rating, Add	*46.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	534.46	153.17
		For Class 52 Rating, Deduct	*-33.26*	
		For Class 54 Rating, Add	*22.68*	
		For Class 55 Rating, Add	*50.41*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	558.82	155.51
		For Class 52 Rating, Deduct	*-35.55*	
		For Class 54 Rating, Add	*24.24*	
		For Class 55 Rating, Add	*53.88*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	583.18	157.86
		For Class 52 Rating, Deduct	*-37.84*	
		For Class 54 Rating, Add	*25.80*	
		For Class 55 Rating, Add	*57.34*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	607.54	160.21
		For Class 52 Rating, Deduct	*-40.13*	
		For Class 54 Rating, Add	*27.36*	
		For Class 55 Rating, Add	*60.81*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	631.90	162.56
		For Class 52 Rating, Deduct	*-42.42*	
		For Class 54 Rating, Add	*28.92*	
		For Class 55 Rating, Add	*64.28*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	656.26	164.90
		For Class 52 Rating, Deduct	*-44.70*	
		For Class 54 Rating, Add	*30.48*	
		For Class 55 Rating, Add	*67.75*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	680.62	167.26
		For Class 52 Rating, Deduct	*-46.99*	
		For Class 54 Rating, Add	*32.04*	
		For Class 55 Rating, Add	*71.21*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	704.98	169.60
		For Class 52 Rating, Deduct	*-49.28*	
		For Class 54 Rating, Add	*33.60*	
		For Class 55 Rating, Add	*74.68*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.34	171.96
		For Class 52 Rating, Deduct	*-51.57*	
		For Class 54 Rating, Add	*35.16*	
		For Class 55 Rating, Add	*78.15*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.70	174.30
		For Class 52 Rating, Deduct	*-53.86*	
		For Class 54 Rating, Add	*36.72*	
		For Class 55 Rating, Add	*81.62*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.06	176.65
		For Class 52 Rating, Deduct	*-56.14*	
		For Class 54 Rating, Add	*38.28*	
		For Class 55 Rating, Add	*85.08*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.42	179.01
		For Class 52 Rating, Deduct	*-58.43*	
		For Class 54 Rating, Add	*39.84*	
		For Class 55 Rating, Add	*88.55*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.77	181.35
		For Class 52 Rating, Deduct	*-60.72*	
		For Class 54 Rating, Add	*41.40*	
		For Class 55 Rating, Add	*92.02*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	851.13	183.70
		For Class 52 Rating, Deduct	*-63.01*	
		For Class 54 Rating, Add	*42.96*	
		For Class 55 Rating, Add	*95.49*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	875.49	186.05
		For Class 52 Rating, Deduct	*-65.30*	
		For Class 54 Rating, Add	*44.52*	
		For Class 55 Rating, Add	*98.95*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.85	188.40
		For Class 52 Rating, Deduct	*-67.58*	
		For Class 54 Rating, Add	*46.08*	
		For Class 55 Rating, Add	*102.42*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.21	190.75
		For Class 52 Rating, Deduct	*-69.87*	
		For Class 54 Rating, Add	*47.64*	
		For Class 55 Rating, Add	*105.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	948.57	193.10
		For Class 52 Rating, Deduct	*-72.16*	
		For Class 54 Rating, Add	*49.20*	
		For Class 55 Rating, Add	*109.36*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.93	195.44
		For Class 52 Rating, Deduct	*-74.45*	
		For Class 54 Rating, Add	*50.76*	
		For Class 55 Rating, Add	*112.82*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.29	197.80
		For Class 52 Rating, Deduct	*-76.74*	
		For Class 54 Rating, Add	*52.32*	
		For Class 55 Rating, Add	*116.29*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.65	200.14
		For Class 52 Rating, Deduct	*-79.02*	
		For Class 54 Rating, Add	*53.88*	
		For Class 55 Rating, Add	*119.76*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.01	202.49
		For Class 52 Rating, Deduct	*-81.31*	
		For Class 54 Rating, Add	*55.44*	
		For Class 55 Rating, Add	*123.22*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,070.37	204.84
		For Class 52 Rating, Deduct	*-83.60*	
		For Class 54 Rating, Add	*57.00*	
		For Class 55 Rating, Add	*126.69*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,094.73	207.19
		For Class 52 Rating, Deduct	*-85.89*	
		For Class 54 Rating, Add	*58.56*	
		For Class 55 Rating, Add	*130.16*	
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.09	209.55
		For Class 52 Rating, Deduct	*-88.18*	
		For Class 54 Rating, Add	*60.12*	
		For Class 55 Rating, Add	*133.63*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,143.44	211.89
		For Class 52 Rating, Deduct	*-90.46*	
		For Class 54 Rating, Add	*61.68*	
		For Class 55 Rating, Add	*137.09*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.80	214.24
		For Class 52 Rating, Deduct	*-92.75*	
		For Class 54 Rating, Add	*63.24*	
		For Class 55 Rating, Add	*140.56*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.16	216.59
		For Class 52 Rating, Deduct	*-95.04*	
		For Class 54 Rating, Add	*64.80*	
		For Class 55 Rating, Add	*144.03*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.52	218.94
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,240.88	221.28
		For Class 52 Rating, Deduct	*-99.62*	
		For Class 54 Rating, Add	*67.92*	
		For Class 55 Rating, Add	*150.96*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.24	223.64
		For Class 52 Rating, Deduct	*-101.90*	
		For Class 54 Rating, Add	*69.48*	
		For Class 55 Rating, Add	*154.43*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	425.06	169.14
		For Class 52 Rating, Deduct	*-18.57*	
		For Class 54 Rating, Add	*12.66*	
		For Class 55 Rating, Add	*28.14*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	454.22	171.48
		For Class 52 Rating, Deduct	*-21.38*	
		For Class 54 Rating, Add	*14.58*	
		For Class 55 Rating, Add	*32.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	483.38	173.83
		For Class 52 Rating, Deduct	*-24.20*	
		For Class 54 Rating, Add	*16.50*	
		For Class 55 Rating, Add	*36.67*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	512.54	176.18
		For Class 52 Rating, Deduct	*-27.02*	
		For Class 54 Rating, Add	*18.42*	
		For Class 55 Rating, Add	*40.94*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	541.70	178.53
		For Class 52 Rating, Deduct	*-29.83*	
		For Class 54 Rating, Add	*20.34*	
		For Class 55 Rating, Add	*45.21*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	570.86	180.88
		For Class 52 Rating, Deduct	*-32.65*	
		For Class 54 Rating, Add	*22.26*	
		For Class 55 Rating, Add	*49.48*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	600.02	183.23
		For Class 52 Rating, Deduct	*-35.46*	
		For Class 54 Rating, Add	*24.18*	
		For Class 55 Rating, Add	*53.74*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	629.18	185.58
		For Class 52 Rating, Deduct	*-38.28*	
		For Class 54 Rating, Add	*26.10*	
		For Class 55 Rating, Add	*58.01*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	658.34	187.93
		For Class 52 Rating, Deduct	*-41.10*	
		For Class 54 Rating, Add	*28.02*	
		For Class 55 Rating, Add	*62.28*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	687.50	190.28
		For Class 52 Rating, Deduct	*-43.91*	
		For Class 54 Rating, Add	*29.94*	
		For Class 55 Rating, Add	*66.55*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	716.66	192.62
		For Class 52 Rating, Deduct	*-46.73*	
		For Class 54 Rating, Add	*31.86*	
		For Class 55 Rating, Add	*70.81*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	745.82	194.98
		For Class 52 Rating, Deduct	*-49.54*	
		For Class 54 Rating, Add	*33.78*	
		For Class 55 Rating, Add	*75.08*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	774.98	197.32
		For Class 52 Rating, Deduct	*-52.36*	
		For Class 54 Rating, Add	*35.70*	
		For Class 55 Rating, Add	*79.35*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	804.13	199.67
		For Class 52 Rating, Deduct	*-55.18*	
		For Class 54 Rating, Add	*37.62*	
		For Class 55 Rating, Add	*83.62*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.29	202.02
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	862.45	204.37
		For Class 52 Rating, Deduct	*-60.81*	
		For Class 54 Rating, Add	*41.46*	
		For Class 55 Rating, Add	*92.15*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	891.61	206.71
		For Class 52 Rating, Deduct	*-63.62*	
		For Class 54 Rating, Add	*43.38*	
		For Class 55 Rating, Add	*96.42*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	920.77	209.07
		For Class 52 Rating, Deduct	*-66.44*	
		For Class 54 Rating, Add	*45.30*	
		For Class 55 Rating, Add	*100.69*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.93	211.42
		For Class 52 Rating, Deduct	*-69.26*	
		For Class 54 Rating, Add	*47.22*	
		For Class 55 Rating, Add	*104.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.09	213.77
		For Class 52 Rating, Deduct	*-72.07*	
		For Class 54 Rating, Add	*49.14*	
		For Class 55 Rating, Add	*109.22*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,008.25	216.12
		For Class 52 Rating, Deduct	*-74.89*	
		For Class 54 Rating, Add	*51.06*	
		For Class 55 Rating, Add	*113.49*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,037.41	218.46
		For Class 52 Rating, Deduct	*-77.70*	
		For Class 54 Rating, Add	*52.98*	
		For Class 55 Rating, Add	*117.76*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.57	220.82
		For Class 52 Rating, Deduct	*-80.52*	
		For Class 54 Rating, Add	*54.90*	
		For Class 55 Rating, Add	*122.02*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,095.73	223.16
		For Class 52 Rating, Deduct	*-83.34*	
		For Class 54 Rating, Add	*56.82*	
		For Class 55 Rating, Add	*126.29*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.89	225.51
		For Class 52 Rating, Deduct	*-86.15*	
		For Class 54 Rating, Add	*58.74*	
		For Class 55 Rating, Add	*130.56*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,154.05	227.86
		For Class 52 Rating, Deduct	*-88.97*	
		For Class 54 Rating, Add	*60.66*	
		For Class 55 Rating, Add	*134.83*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,183.20	230.21
		For Class 52 Rating, Deduct	*-91.78*	
		For Class 54 Rating, Add	*62.58*	
		For Class 55 Rating, Add	*139.09*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,212.36	232.56
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.52	234.91
		For Class 52 Rating, Deduct	*-97.42*	
		For Class 54 Rating, Add	*66.42*	
		For Class 55 Rating, Add	*147.63*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.68	237.26
		For Class 52 Rating, Deduct	*-100.23*	
		For Class 54 Rating, Add	*68.34*	
		For Class 55 Rating, Add	*151.90*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.84	239.61
		For Class 52 Rating, Deduct	*-103.05*	
		For Class 54 Rating, Add	*70.26*	
		For Class 55 Rating, Add	*156.16*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.00	241.96
		For Class 52 Rating, Deduct	*-105.86*	
		For Class 54 Rating, Add	*72.18*	
		For Class 55 Rating, Add	*160.43*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,358.16	244.30
		For Class 52 Rating, Deduct	*-108.68*	
		For Class 54 Rating, Add	*74.10*	
		For Class 55 Rating, Add	*164.70*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.32	246.66
		For Class 52 Rating, Deduct	*-111.50*	
		For Class 54 Rating, Add	*76.02*	
		For Class 55 Rating, Add	*168.97*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.48	249.00
		For Class 52 Rating, Deduct	*-114.31*	
		For Class 54 Rating, Add	*77.94*	
		For Class 55 Rating, Add	*173.23*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,445.64	251.36
		For Class 52 Rating, Deduct	*-117.13*	
		For Class 54 Rating, Add	*79.86*	
		For Class 55 Rating, Add	*177.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,474.80	253.70
		For Class 52 Rating, Deduct	*-119.94*	
		For Class 54 Rating, Add	*81.78*	
		For Class 55 Rating, Add	*181.77*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.96	256.05
		For Class 52 Rating, Deduct	*-122.76*	
		For Class 54 Rating, Add	*83.70*	
		For Class 55 Rating, Add	*186.04*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,533.12	258.40
		For Class 52 Rating, Deduct	*-125.58*	
		For Class 54 Rating, Add	*85.62*	
		For Class 55 Rating, Add	*190.30*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	573.85	216.12
		For Class 52 Rating, Deduct	*-27.10*	
		For Class 54 Rating, Add	*18.48*	
		For Class 55 Rating, Add	*41.07*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	612.61	218.46
		For Class 52 Rating, Deduct	*-30.98*	
		For Class 54 Rating, Add	*21.12*	
		For Class 55 Rating, Add	*46.94*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	651.37	220.82
		For Class 52 Rating, Deduct	*-34.85*	
		For Class 54 Rating, Add	*23.76*	
		For Class 55 Rating, Add	*52.81*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	690.13	223.16
		For Class 52 Rating, Deduct	*-38.72*	
		For Class 54 Rating, Add	*26.40*	
		For Class 55 Rating, Add	*58.68*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	728.89	225.51
		For Class 52 Rating, Deduct	*-42.59*	
		For Class 54 Rating, Add	*29.04*	
		For Class 55 Rating, Add	*64.55*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	767.65	227.86
		For Class 52 Rating, Deduct	*-46.46*	
		For Class 54 Rating, Add	*31.68*	
		For Class 55 Rating, Add	*70.41*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	806.40	230.21
		For Class 52 Rating, Deduct	*-50.34*	
		For Class 54 Rating, Add	*34.32*	
		For Class 55 Rating, Add	*76.28*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	845.16	232.56
		For Class 52 Rating, Deduct	*-54.21*	
		For Class 54 Rating, Add	*36.96*	
		For Class 55 Rating, Add	*82.15*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	883.92	234.91
		For Class 52 Rating, Deduct	*-58.08*	
		For Class 54 Rating, Add	*39.60*	
		For Class 55 Rating, Add	*88.02*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	922.68	237.26
		For Class 52 Rating, Deduct	*-61.95*	
		For Class 54 Rating, Add	*42.24*	
		For Class 55 Rating, Add	*93.89*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.44	239.61
		For Class 52 Rating, Deduct	*-65.82*	
		For Class 54 Rating, Add	*44.88*	
		For Class 55 Rating, Add	*99.75*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.20	241.96
		For Class 52 Rating, Deduct	*-69.70*	
		For Class 54 Rating, Add	*47.52*	
		For Class 55 Rating, Add	*105.62*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,038.96	244.30
		For Class 52 Rating, Deduct	*-73.57*	
		For Class 54 Rating, Add	*50.16*	
		For Class 55 Rating, Add	*111.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,077.72	246.66
		For Class 52 Rating, Deduct	*-77.44*	
		For Class 54 Rating, Add	*52.80*	
		For Class 55 Rating, Add	*117.36*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.48	249.00
		For Class 52 Rating, Deduct	*-81.31*	
		For Class 54 Rating, Add	*55.44*	
		For Class 55 Rating, Add	*123.22*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,155.24	251.36
		For Class 52 Rating, Deduct	*-85.18*	
		For Class 54 Rating, Add	*58.08*	
		For Class 55 Rating, Add	*129.09*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.00	253.70
		For Class 52 Rating, Deduct	*-89.06*	
		For Class 54 Rating, Add	*60.72*	
		For Class 55 Rating, Add	*134.96*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.76	256.05
		For Class 52 Rating, Deduct	*-92.93*	
		For Class 54 Rating, Add	*63.36*	
		For Class 55 Rating, Add	*140.83*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.52	258.40
		For Class 52 Rating, Deduct	*-96.80*	
		For Class 54 Rating, Add	*66.00*	
		For Class 55 Rating, Add	*146.70*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.27	260.75
		For Class 52 Rating, Deduct	*-100.67*	
		For Class 54 Rating, Add	*68.64*	
		For Class 55 Rating, Add	*152.56*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.03	263.09
		For Class 52 Rating, Deduct	*-104.54*	
		For Class 54 Rating, Add	*71.28*	
		For Class 55 Rating, Add	*158.43*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.79	265.45
		For Class 52 Rating, Deduct	*-108.42*	
		For Class 54 Rating, Add	*73.92*	
		For Class 55 Rating, Add	*164.30*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.55	267.80
		For Class 52 Rating, Deduct	*-112.29*	
		For Class 54 Rating, Add	*76.56*	
		For Class 55 Rating, Add	*170.17*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.31	270.14
		For Class 52 Rating, Deduct	*-116.16*	
		For Class 54 Rating, Add	*79.20*	
		For Class 55 Rating, Add	*176.04*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.07	272.50
		For Class 52 Rating, Deduct	*-120.03*	
		For Class 54 Rating, Add	*81.84*	
		For Class 55 Rating, Add	*181.90*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.83	274.84
		For Class 52 Rating, Deduct	*-123.90*	
		For Class 54 Rating, Add	*84.48*	
		For Class 55 Rating, Add	*187.77*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,581.59	277.20
		For Class 52 Rating, Deduct	*-127.78*	
		For Class 54 Rating, Add	*87.12*	
		For Class 55 Rating, Add	*193.64*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.35	279.54
		For Class 52 Rating, Deduct	*-131.65*	
		For Class 54 Rating, Add	*89.76*	
		For Class 55 Rating, Add	*199.51*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.11	281.89
		For Class 52 Rating, Deduct	*-135.52*	
		For Class 54 Rating, Add	*92.40*	
		For Class 55 Rating, Add	*205.37*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.87	284.24
		For Class 52 Rating, Deduct	*-139.39*	
		For Class 54 Rating, Add	*95.04*	
		For Class 55 Rating, Add	*211.24*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,736.63	286.59
		For Class 52 Rating, Deduct	*-143.26*	
		For Class 54 Rating, Add	*97.68*	
		For Class 55 Rating, Add	*217.11*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,775.39	288.93
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*100.32*	
		For Class 55 Rating, Add	*222.98*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.14	291.29
		For Class 52 Rating, Deduct	*-151.01*	
		For Class 54 Rating, Add	*102.96*	
		For Class 55 Rating, Add	*228.85*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,852.90	293.63
		For Class 52 Rating, Deduct	*-154.88*	
		For Class 54 Rating, Add	*105.60*	
		For Class 55 Rating, Add	*234.71*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.66	295.99
		For Class 52 Rating, Deduct	*-158.75*	
		For Class 54 Rating, Add	*108.24*	
		For Class 55 Rating, Add	*240.58*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.42	298.34
		For Class 52 Rating, Deduct	*-162.62*	
		For Class 54 Rating, Add	*110.88*	
		For Class 55 Rating, Add	*246.45*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.18	300.68
		For Class 52 Rating, Deduct	*-166.50*	
		For Class 54 Rating, Add	*113.52*	
		For Class 55 Rating, Add	*252.32*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.94	303.04
		For Class 52 Rating, Deduct	*-170.37*	
		For Class 54 Rating, Add	*116.16*	
		For Class 55 Rating, Add	*258.18*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,046.70	305.38
		For Class 52 Rating, Deduct	*-174.24*	
		For Class 54 Rating, Add	*118.80*	
		For Class 55 Rating, Add	*264.05*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	713.83	263.09
		For Class 52 Rating, Deduct	*-34.67*	
		For Class 54 Rating, Add	*23.64*	
		For Class 55 Rating, Add	*52.54*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.79	265.45
		For Class 52 Rating, Deduct	*-39.78*	
		For Class 54 Rating, Add	*27.12*	
		For Class 55 Rating, Add	*60.28*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.75	267.80
		For Class 52 Rating, Deduct	*-44.88*	
		For Class 54 Rating, Add	*30.60*	
		For Class 55 Rating, Add	*68.01*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.71	270.14
		For Class 52 Rating, Deduct	*-49.98*	
		For Class 54 Rating, Add	*34.08*	
		For Class 55 Rating, Add	*75.75*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	913.67	272.50
		For Class 52 Rating, Deduct	*-55.09*	
		For Class 54 Rating, Add	*37.56*	
		For Class 55 Rating, Add	*83.48*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	963.63	274.84
		For Class 52 Rating, Deduct	*-60.19*	
		For Class 54 Rating, Add	*41.04*	
		For Class 55 Rating, Add	*91.22*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.59	277.20
		For Class 52 Rating, Deduct	*-65.30*	
		For Class 54 Rating, Add	*44.52*	
		For Class 55 Rating, Add	*98.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,063.55	279.54
		For Class 52 Rating, Deduct	*-70.40*	
		For Class 54 Rating, Add	*48.00*	
		For Class 55 Rating, Add	*106.69*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,113.51	281.89
		For Class 52 Rating, Deduct	*-75.50*	
		For Class 54 Rating, Add	*51.48*	
		For Class 55 Rating, Add	*114.42*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.47	284.24
		For Class 52 Rating, Deduct	*-80.61*	
		For Class 54 Rating, Add	*54.96*	
		For Class 55 Rating, Add	*122.16*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,213.43	286.59
		For Class 52 Rating, Deduct	*-85.71*	
		For Class 54 Rating, Add	*58.44*	
		For Class 55 Rating, Add	*129.89*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.39	288.93
		For Class 52 Rating, Deduct	*-90.82*	
		For Class 54 Rating, Add	*61.92*	
		For Class 55 Rating, Add	*137.63*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.34	291.29
		For Class 52 Rating, Deduct	*-95.92*	
		For Class 54 Rating, Add	*65.40*	
		For Class 55 Rating, Add	*145.36*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.30	293.63
		For Class 52 Rating, Deduct	*-101.02*	
		For Class 54 Rating, Add	*68.88*	
		For Class 55 Rating, Add	*153.10*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.26	295.99
		For Class 52 Rating, Deduct	*-106.13*	
		For Class 54 Rating, Add	*72.36*	
		For Class 55 Rating, Add	*160.83*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.22	298.34
		For Class 52 Rating, Deduct	*-111.23*	
		For Class 54 Rating, Add	*75.84*	
		For Class 55 Rating, Add	*168.57*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,513.18	300.68
		For Class 52 Rating, Deduct	*-116.34*	
		For Class 54 Rating, Add	*79.32*	
		For Class 55 Rating, Add	*176.30*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.14	303.04
		For Class 52 Rating, Deduct	*-121.44*	
		For Class 54 Rating, Add	*82.80*	
		For Class 55 Rating, Add	*184.04*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.10	305.38
		For Class 52 Rating, Deduct	*-126.54*	
		For Class 54 Rating, Add	*86.28*	
		For Class 55 Rating, Add	*191.77*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.06	307.73
		For Class 52 Rating, Deduct	*-131.65*	
		For Class 54 Rating, Add	*89.76*	
		For Class 55 Rating, Add	*199.51*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,713.02	310.08
		For Class 52 Rating, Deduct	*-136.75*	
		For Class 54 Rating, Add	*93.24*	
		For Class 55 Rating, Add	*207.24*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,762.98	312.43
		For Class 52 Rating, Deduct	*-141.86*	
		For Class 54 Rating, Add	*96.72*	
		For Class 55 Rating, Add	*214.98*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,812.94	314.77
		For Class 52 Rating, Deduct	*-146.96*	
		For Class 54 Rating, Add	*100.20*	
		For Class 55 Rating, Add	*222.71*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,862.90	317.13
		For Class 52 Rating, Deduct	*-152.06*	
		For Class 54 Rating, Add	*103.68*	
		For Class 55 Rating, Add	*230.45*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,912.86	319.47
		For Class 52 Rating, Deduct	*-157.17*	
		For Class 54 Rating, Add	*107.16*	
		For Class 55 Rating, Add	*238.18*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.81	321.83
		For Class 52 Rating, Deduct	*-162.27*	
		For Class 54 Rating, Add	*110.64*	
		For Class 55 Rating, Add	*245.92*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.77	324.17
		For Class 52 Rating, Deduct	*-167.38*	
		For Class 54 Rating, Add	*114.12*	
		For Class 55 Rating, Add	*253.65*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,062.73	326.52
		For Class 52 Rating, Deduct	*-172.48*	
		For Class 54 Rating, Add	*117.60*	
		For Class 55 Rating, Add	*261.39*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,112.69	328.88
		For Class 52 Rating, Deduct	*-177.58*	
		For Class 54 Rating, Add	*121.08*	
		For Class 55 Rating, Add	*269.12*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,162.65	331.22
		For Class 52 Rating, Deduct	*-182.69*	
		For Class 54 Rating, Add	*124.56*	
		For Class 55 Rating, Add	*276.86*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.61	333.57
		For Class 52 Rating, Deduct	*-187.79*	
		For Class 54 Rating, Add	*128.04*	
		For Class 55 Rating, Add	*284.59*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,262.57	335.92
		For Class 52 Rating, Deduct	*-192.90*	
		For Class 54 Rating, Add	*131.52*	
		For Class 55 Rating, Add	*292.33*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,312.53	338.27
		For Class 52 Rating, Deduct	*-198.00*	
		For Class 54 Rating, Add	*135.00*	
		For Class 55 Rating, Add	*300.06*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.49	340.62
		For Class 52 Rating, Deduct	*-203.10*	
		For Class 54 Rating, Add	*138.48*	
		For Class 55 Rating, Add	*307.79*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,412.45	342.97
		For Class 52 Rating, Deduct	*-208.21*	
		For Class 54 Rating, Add	*141.96*	
		For Class 55 Rating, Add	*315.53*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.41	345.31
		For Class 52 Rating, Deduct	*-213.31*	
		For Class 54 Rating, Add	*145.44*	
		For Class 55 Rating, Add	*323.26*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,512.37	347.67
		For Class 52 Rating, Deduct	*-218.42*	
		For Class 54 Rating, Add	*148.92*	
		For Class 55 Rating, Add	*331.00*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,562.33	350.01
		For Class 52 Rating, Deduct	*-223.52*	
		For Class 54 Rating, Add	*152.40*	
		For Class 55 Rating, Add	*338.73*	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.28	352.36
		For Class 52 Rating, Deduct	*-228.62*	
		For Class 54 Rating, Add	*155.88*	
		For Class 55 Rating, Add	*346.47*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	915.89	328.88
		For Class 52 Rating, Deduct	*-45.94*	
		For Class 54 Rating, Add	*31.32*	
		For Class 55 Rating, Add	*69.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	977.85	331.22
		For Class 52 Rating, Deduct	*-52.36*	
		For Class 54 Rating, Add	*35.70*	
		For Class 55 Rating, Add	*79.35*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,039.81	333.57
		For Class 52 Rating, Deduct	*-58.78*	
		For Class 54 Rating, Add	*40.08*	
		For Class 55 Rating, Add	*89.08*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.77	335.92
		For Class 52 Rating, Deduct	*-65.21*	
		For Class 54 Rating, Add	*44.46*	
		For Class 55 Rating, Add	*98.82*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.73	338.27
		For Class 52 Rating, Deduct	*-71.63*	
		For Class 54 Rating, Add	*48.84*	
		For Class 55 Rating, Add	*108.56*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,225.69	340.62
		For Class 52 Rating, Deduct	*-78.06*	
		For Class 54 Rating, Add	*53.22*	
		For Class 55 Rating, Add	*118.29*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,287.65	342.97
		For Class 52 Rating, Deduct	*-84.48*	
		For Class 54 Rating, Add	*57.60*	
		For Class 55 Rating, Add	*128.03*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.61	345.31
		For Class 52 Rating, Deduct	*-90.90*	
		For Class 54 Rating, Add	*61.98*	
		For Class 55 Rating, Add	*137.76*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,411.57	347.67
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,473.53	350.01
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,535.48	352.36
		For Class 52 Rating, Deduct	*-110.18*	
		For Class 54 Rating, Add	*75.12*	
		For Class 55 Rating, Add	*166.97*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.44	354.71
		For Class 52 Rating, Deduct	*-116.60*	
		For Class 54 Rating, Add	*79.50*	
		For Class 55 Rating, Add	*176.70*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.40	357.06
		For Class 52 Rating, Deduct	*-123.02*	
		For Class 54 Rating, Add	*83.88*	
		For Class 55 Rating, Add	*186.44*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,721.36	359.41
		For Class 52 Rating, Deduct	*-129.45*	
		For Class 54 Rating, Add	*88.26*	
		For Class 55 Rating, Add	*196.17*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.32	361.76
		For Class 52 Rating, Deduct	*-135.87*	
		For Class 54 Rating, Add	*92.64*	
		For Class 55 Rating, Add	*205.91*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.28	364.11
		For Class 52 Rating, Deduct	*-142.30*	
		For Class 54 Rating, Add	*97.02*	
		For Class 55 Rating, Add	*215.64*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,907.24	366.46
		For Class 52 Rating, Deduct	*-148.72*	
		For Class 54 Rating, Add	*101.40*	
		For Class 55 Rating, Add	*225.38*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.20	368.81
		For Class 52 Rating, Deduct	*-155.14*	
		For Class 54 Rating, Add	*105.78*	
		For Class 55 Rating, Add	*235.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.16	371.15
		For Class 52 Rating, Deduct	*-161.57*	
		For Class 54 Rating, Add	*110.16*	
		For Class 55 Rating, Add	*244.85*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.12	373.51
		For Class 52 Rating, Deduct	*-167.99*	
		For Class 54 Rating, Add	*114.54*	
		For Class 55 Rating, Add	*254.58*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.08	375.85
		For Class 52 Rating, Deduct	*-174.42*	
		For Class 54 Rating, Add	*118.92*	
		For Class 55 Rating, Add	*264.32*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,217.04	378.20
		For Class 52 Rating, Deduct	*-180.84*	
		For Class 54 Rating, Add	*123.30*	
		For Class 55 Rating, Add	*274.05*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.00	380.55
		For Class 52 Rating, Deduct	*-187.26*	
		For Class 54 Rating, Add	*127.68*	
		For Class 55 Rating, Add	*283.79*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.95	382.90
		For Class 52 Rating, Deduct	*-193.69*	
		For Class 54 Rating, Add	*132.06*	
		For Class 55 Rating, Add	*293.53*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.91	385.26
		For Class 52 Rating, Deduct	*-200.11*	
		For Class 54 Rating, Add	*136.44*	
		For Class 55 Rating, Add	*303.26*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.87	387.60
		For Class 52 Rating, Deduct	*-206.54*	
		For Class 54 Rating, Add	*140.82*	
		For Class 55 Rating, Add	*313.00*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,526.83	389.95
		For Class 52 Rating, Deduct	*-212.96*	
		For Class 54 Rating, Add	*145.20*	
		For Class 55 Rating, Add	*322.73*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,588.79	392.30
		For Class 52 Rating, Deduct	*-219.38*	
		For Class 54 Rating, Add	*149.58*	
		For Class 55 Rating, Add	*332.47*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.75	394.65
		For Class 52 Rating, Deduct	*-225.81*	
		For Class 54 Rating, Add	*153.96*	
		For Class 55 Rating, Add	*342.20*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,712.71	396.99
		For Class 52 Rating, Deduct	*-232.23*	
		For Class 54 Rating, Add	*158.34*	
		For Class 55 Rating, Add	*351.94*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.67	399.35
		For Class 52 Rating, Deduct	*-238.66*	
		For Class 54 Rating, Add	*162.72*	
		For Class 55 Rating, Add	*361.67*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,836.63	401.69
		For Class 52 Rating, Deduct	*-245.08*	
		For Class 54 Rating, Add	*167.10*	
		For Class 55 Rating, Add	*371.41*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.59	404.05
		For Class 52 Rating, Deduct	*-251.50*	
		For Class 54 Rating, Add	*171.48*	
		For Class 55 Rating, Add	*381.14*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,960.55	406.39
		For Class 52 Rating, Deduct	*-257.93*	
		For Class 54 Rating, Add	*175.86*	
		For Class 55 Rating, Add	*390.88*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,022.51	408.74
		For Class 52 Rating, Deduct	*-264.35*	
		For Class 54 Rating, Add	*180.24*	
		For Class 55 Rating, Add	*400.61*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.47	411.09
		For Class 52 Rating, Deduct	*-270.78*	
		For Class 54 Rating, Add	*184.62*	
		For Class 55 Rating, Add	*410.35*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,146.42	413.44
		For Class 52 Rating, Deduct	*-277.20*	
		For Class 54 Rating, Add	*189.00*	
		For Class 55 Rating, Add	*420.08*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,208.38	415.79
		For Class 52 Rating, Deduct	*-283.62*	
		For Class 54 Rating, Add	*193.38*	
		For Class 55 Rating, Add	*429.82*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,270.34	418.14
		For Class 52 Rating, Deduct	*-290.05*	
		For Class 54 Rating, Add	*197.76*	
		For Class 55 Rating, Add	*439.55*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.95	394.65
		For Class 52 Rating, Deduct	*-68.64*	
		For Class 54 Rating, Add	*46.80*	
		For Class 55 Rating, Add	*104.02*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.71	396.99
		For Class 52 Rating, Deduct	*-76.47*	
		For Class 54 Rating, Add	*52.14*	
		For Class 55 Rating, Add	*115.89*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.47	399.35
		For Class 52 Rating, Deduct	*-84.30*	
		For Class 54 Rating, Add	*57.48*	
		For Class 55 Rating, Add	*127.76*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.23	401.69
		For Class 52 Rating, Deduct	*-92.14*	
		For Class 54 Rating, Add	*62.82*	
		For Class 55 Rating, Add	*139.63*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,520.99	404.05
		For Class 52 Rating, Deduct	*-99.97*	
		For Class 54 Rating, Add	*68.16*	
		For Class 55 Rating, Add	*151.50*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,595.75	406.39
		For Class 52 Rating, Deduct	*-107.80*	
		For Class 54 Rating, Add	*73.50*	
		For Class 55 Rating, Add	*163.37*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.51	408.74
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*78.84*	
		For Class 55 Rating, Add	*175.24*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.27	411.09
		For Class 52 Rating, Deduct	*-123.46*	
		For Class 54 Rating, Add	*84.18*	
		For Class 55 Rating, Add	*187.10*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.02	413.44
		For Class 52 Rating, Deduct	*-131.30*	
		For Class 54 Rating, Add	*89.52*	
		For Class 55 Rating, Add	*198.97*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.78	415.79
		For Class 52 Rating, Deduct	*-139.13*	
		For Class 54 Rating, Add	*94.86*	
		For Class 55 Rating, Add	*210.84*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.54	418.14
		For Class 52 Rating, Deduct	*-146.96*	
		For Class 54 Rating, Add	*100.20*	
		For Class 55 Rating, Add	*222.71*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.30	420.49
		For Class 52 Rating, Deduct	*-154.79*	
		For Class 54 Rating, Add	*105.54*	
		For Class 55 Rating, Add	*234.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,119.06	422.83
		For Class 52 Rating, Deduct	*-162.62*	
		For Class 54 Rating, Add	*110.88*	
		For Class 55 Rating, Add	*246.45*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,193.82	425.19
		For Class 52 Rating, Deduct	*-170.46*	
		For Class 54 Rating, Add	*116.22*	
		For Class 55 Rating, Add	*258.32*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.58	427.53
		For Class 52 Rating, Deduct	*-178.29*	
		For Class 54 Rating, Add	*121.56*	
		For Class 55 Rating, Add	*270.19*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,343.34	429.89
		For Class 52 Rating, Deduct	*-186.12*	
		For Class 54 Rating, Add	*126.90*	
		For Class 55 Rating, Add	*282.06*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.10	432.23
		For Class 52 Rating, Deduct	*-193.95*	
		For Class 54 Rating, Add	*132.24*	
		For Class 55 Rating, Add	*293.93*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,492.86	434.58
		For Class 52 Rating, Deduct	*-201.78*	
		For Class 54 Rating, Add	*137.58*	
		For Class 55 Rating, Add	*305.79*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,567.62	436.93
		For Class 52 Rating, Deduct	*-209.62*	
		For Class 54 Rating, Add	*142.92*	
		For Class 55 Rating, Add	*317.66*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.38	439.28
		For Class 52 Rating, Deduct	*-217.45*	
		For Class 54 Rating, Add	*148.26*	
		For Class 55 Rating, Add	*329.53*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.14	441.62
		For Class 52 Rating, Deduct	*-225.28*	
		For Class 54 Rating, Add	*153.60*	
		For Class 55 Rating, Add	*341.40*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,791.89	443.98
		For Class 52 Rating, Deduct	*-233.11*	
		For Class 54 Rating, Add	*158.94*	
		For Class 55 Rating, Add	*353.27*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,866.65	446.33
		For Class 52 Rating, Deduct	*-240.94*	
		For Class 54 Rating, Add	*164.28*	
		For Class 55 Rating, Add	*365.14*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,941.41	448.68
		For Class 52 Rating, Deduct	*-248.78*	
		For Class 54 Rating, Add	*169.62*	
		For Class 55 Rating, Add	*377.01*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.17	451.03
		For Class 52 Rating, Deduct	*-256.61*	
		For Class 54 Rating, Add	*174.96*	
		For Class 55 Rating, Add	*388.88*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,090.93	453.37
		For Class 52 Rating, Deduct	*-264.44*	
		For Class 54 Rating, Add	*180.30*	
		For Class 55 Rating, Add	*400.75*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,165.69	455.73
		For Class 52 Rating, Deduct	*-272.27*	
		For Class 54 Rating, Add	*185.64*	
		For Class 55 Rating, Add	*412.62*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,240.45	458.07
		For Class 52 Rating, Deduct	*-280.10*	
		For Class 54 Rating, Add	*190.98*	
		For Class 55 Rating, Add	*424.48*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.21	460.42
		For Class 52 Rating, Deduct	*-287.94*	
		For Class 54 Rating, Add	*196.32*	
		For Class 55 Rating, Add	*436.35*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,389.97	462.77
		For Class 52 Rating, Deduct	*-295.77*	
		For Class 54 Rating, Add	*201.66*	
		For Class 55 Rating, Add	*448.22*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,464.73	465.12
		For Class 52 Rating, Deduct	*-303.60*	
		For Class 54 Rating, Add	*207.00*	
		For Class 55 Rating, Add	*460.09*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,539.49	467.46
		For Class 52 Rating, Deduct	*-311.43*	
		For Class 54 Rating, Add	*212.34*	
		For Class 55 Rating, Add	*471.96*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,614.25	469.82
		For Class 52 Rating, Deduct	*-319.26*	
		For Class 54 Rating, Add	*217.68*	
		For Class 55 Rating, Add	*483.83*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.01	472.16
		For Class 52 Rating, Deduct	*-327.10*	
		For Class 54 Rating, Add	*223.02*	
		For Class 55 Rating, Add	*495.70*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,763.76	474.52
		For Class 52 Rating, Deduct	*-334.93*	
		For Class 54 Rating, Add	*228.36*	
		For Class 55 Rating, Add	*507.57*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.52	476.87
		For Class 52 Rating, Deduct	*-342.76*	
		For Class 54 Rating, Add	*233.70*	
		For Class 55 Rating, Add	*519.44*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,913.28	479.21
		For Class 52 Rating, Deduct	*-350.59*	
		For Class 54 Rating, Add	*239.04*	
		For Class 55 Rating, Add	*531.31*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,988.04	481.57
		For Class 52 Rating, Deduct	*-358.42*	
		For Class 54 Rating, Add	*244.38*	
		For Class 55 Rating, Add	*543.18*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,421.77	451.03
		For Class 52 Rating, Deduct	*-81.22*	
		For Class 54 Rating, Add	*55.38*	
		For Class 55 Rating, Add	*123.09*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.53	453.37
		For Class 52 Rating, Deduct	*-90.38*	
		For Class 54 Rating, Add	*61.62*	
		For Class 55 Rating, Add	*136.96*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,595.29	455.73
		For Class 52 Rating, Deduct	*-99.53*	
		For Class 54 Rating, Add	*67.86*	
		For Class 55 Rating, Add	*150.83*	
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.05	458.07
		For Class 52 Rating, Deduct	*-108.68*	
		For Class 54 Rating, Add	*74.10*	
		For Class 55 Rating, Add	*164.70*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.81	460.42
		For Class 52 Rating, Deduct	*-117.83*	
		For Class 54 Rating, Add	*80.34*	
		For Class 55 Rating, Add	*178.57*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,855.57	462.77
		For Class 52 Rating, Deduct	*-126.98*	
		For Class 54 Rating, Add	*86.58*	
		For Class 55 Rating, Add	*192.44*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.33	465.12
		For Class 52 Rating, Deduct	*-136.14*	
		For Class 54 Rating, Add	*92.82*	
		For Class 55 Rating, Add	*206.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,029.09	467.46
		For Class 52 Rating, Deduct	*-145.29*	
		For Class 54 Rating, Add	*99.06*	
		For Class 55 Rating, Add	*220.18*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,115.85	469.82
		For Class 52 Rating, Deduct	*-154.44*	
		For Class 54 Rating, Add	*105.30*	
		For Class 55 Rating, Add	*234.05*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.61	472.16
		For Class 52 Rating, Deduct	*-162.71*	
		For Class 54 Rating, Add	*110.94*	
		For Class 55 Rating, Add	*246.58*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.36	474.52
		For Class 52 Rating, Deduct	*-172.74*	
		For Class 54 Rating, Add	*117.78*	
		For Class 55 Rating, Add	*261.79*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.12	476.87
		For Class 52 Rating, Deduct	*-181.90*	
		For Class 54 Rating, Add	*124.02*	
		For Class 55 Rating, Add	*275.66*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.88	479.21
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*130.26*	
		For Class 55 Rating, Add	*289.52*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,549.64	481.57
		For Class 52 Rating, Deduct	*-200.20*	
		For Class 54 Rating, Add	*136.50*	
		For Class 55 Rating, Add	*303.39*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.40	483.91
		For Class 52 Rating, Deduct	*-209.35*	
		For Class 54 Rating, Add	*142.74*	
		For Class 55 Rating, Add	*317.26*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,723.16	486.26
		For Class 52 Rating, Deduct	*-218.50*	
		For Class 54 Rating, Add	*148.98*	
		For Class 55 Rating, Add	*331.13*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.92	488.61
		For Class 52 Rating, Deduct	*-227.66*	
		For Class 54 Rating, Add	*155.22*	
		For Class 55 Rating, Add	*345.00*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.68	490.96
		For Class 52 Rating, Deduct	*-236.81*	
		For Class 54 Rating, Add	*161.46*	
		For Class 55 Rating, Add	*358.87*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,983.44	493.31
		For Class 52 Rating, Deduct	*-245.96*	
		For Class 54 Rating, Add	*167.70*	
		For Class 55 Rating, Add	*372.74*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.20	495.66
		For Class 52 Rating, Deduct	*-255.11*	
		For Class 54 Rating, Add	*173.94*	
		For Class 55 Rating, Add	*386.61*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.96	498.00
		For Class 52 Rating, Deduct	*-264.26*	
		For Class 54 Rating, Add	*180.18*	
		For Class 55 Rating, Add	*400.48*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.72	500.36
		For Class 52 Rating, Deduct	*-273.42*	
		For Class 54 Rating, Add	*186.42*	
		For Class 55 Rating, Add	*414.35*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.48	502.70
		For Class 52 Rating, Deduct	*-282.57*	
		For Class 54 Rating, Add	*192.66*	
		For Class 55 Rating, Add	*428.22*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,417.23	505.05
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.99	507.41
		For Class 52 Rating, Deduct	*-300.87*	
		For Class 54 Rating, Add	*205.14*	
		For Class 55 Rating, Add	*455.96*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.75	509.75
		For Class 52 Rating, Deduct	*-310.02*	
		For Class 54 Rating, Add	*211.38*	
		For Class 55 Rating, Add	*469.83*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,677.51	512.10
		For Class 52 Rating, Deduct	*-319.18*	
		For Class 54 Rating, Add	*217.62*	
		For Class 55 Rating, Add	*483.70*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,764.27	514.45
		For Class 52 Rating, Deduct	*-328.33*	
		For Class 54 Rating, Add	*223.86*	
		For Class 55 Rating, Add	*497.57*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.03	516.80
		For Class 52 Rating, Deduct	*-337.48*	
		For Class 54 Rating, Add	*230.10*	
		For Class 55 Rating, Add	*511.44*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,937.79	519.15
		For Class 52 Rating, Deduct	*-346.63*	
		For Class 54 Rating, Add	*236.34*	
		For Class 55 Rating, Add	*525.31*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,024.55	521.50
		For Class 52 Rating, Deduct	*-355.78*	
		For Class 54 Rating, Add	*242.58*	
		For Class 55 Rating, Add	*539.17*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,111.31	523.84
		For Class 52 Rating, Deduct	*-364.94*	
		For Class 54 Rating, Add	*248.82*	
		For Class 55 Rating, Add	*553.04*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,198.07	526.20
		For Class 52 Rating, Deduct	*-374.09*	
		For Class 54 Rating, Add	*255.06*	
		For Class 55 Rating, Add	*566.91*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,284.83	528.54
		For Class 52 Rating, Deduct	*-383.24*	
		For Class 54 Rating, Add	*261.30*	
		For Class 55 Rating, Add	*580.78*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,371.59	530.89
		For Class 52 Rating, Deduct	*-392.39*	
		For Class 54 Rating, Add	*267.54*	
		For Class 55 Rating, Add	*594.65*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,458.35	533.25
		For Class 52 Rating, Deduct	*-401.54*	
		For Class 54 Rating, Add	*273.78*	
		For Class 55 Rating, Add	*608.52*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,545.10	535.59
		For Class 52 Rating, Deduct	*-410.70*	
		For Class 54 Rating, Add	*280.02*	
		For Class 55 Rating, Add	*622.39*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.86	537.95
		For Class 52 Rating, Deduct	*-419.85*	
		For Class 54 Rating, Add	*286.26*	
		For Class 55 Rating, Add	*636.26*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.21	508.35
		For Class 52 Rating, Deduct	*-96.36*	
		For Class 54 Rating, Add	*65.70*	
		For Class 55 Rating, Add	*146.03*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.77	510.69
		For Class 52 Rating, Deduct	*-106.92*	
		For Class 54 Rating, Add	*72.90*	
		For Class 55 Rating, Add	*162.03*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.33	513.05
		For Class 52 Rating, Deduct	*-117.48*	
		For Class 54 Rating, Add	*80.10*	
		For Class 55 Rating, Add	*178.04*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,944.89	515.39
		For Class 52 Rating, Deduct	*-128.04*	
		For Class 54 Rating, Add	*87.30*	
		For Class 55 Rating, Add	*194.04*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.45	517.75
		For Class 52 Rating, Deduct	*-138.60*	
		For Class 54 Rating, Add	*94.50*	
		For Class 55 Rating, Add	*210.04*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.01	520.09
		For Class 52 Rating, Deduct	*-149.16*	
		For Class 54 Rating, Add	*101.70*	
		For Class 55 Rating, Add	*226.05*	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.57	522.44
		For Class 52 Rating, Deduct	*-159.72*	
		For Class 54 Rating, Add	*108.90*	
		For Class 55 Rating, Add	*242.05*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,343.13	524.79
		For Class 52 Rating, Deduct	*-170.28*	
		For Class 54 Rating, Add	*116.10*	
		For Class 55 Rating, Add	*258.05*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,442.69	527.14
		For Class 52 Rating, Deduct	*-180.84*	
		For Class 54 Rating, Add	*123.30*	
		For Class 55 Rating, Add	*274.05*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,542.24	529.48
		For Class 52 Rating, Deduct	*-191.40*	
		For Class 54 Rating, Add	*130.50*	
		For Class 55 Rating, Add	*290.06*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.80	531.84
		For Class 52 Rating, Deduct	*-201.96*	
		For Class 54 Rating, Add	*137.70*	
		For Class 55 Rating, Add	*306.06*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,741.36	534.19
		For Class 52 Rating, Deduct	*-212.52*	
		For Class 54 Rating, Add	*144.90*	
		For Class 55 Rating, Add	*322.06*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.92	536.53
		For Class 52 Rating, Deduct	*-223.08*	
		For Class 54 Rating, Add	*152.10*	
		For Class 55 Rating, Add	*338.07*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.48	538.89
		For Class 52 Rating, Deduct	*-233.64*	
		For Class 54 Rating, Add	*159.30*	
		For Class 55 Rating, Add	*354.07*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.04	541.23
		For Class 52 Rating, Deduct	*-244.20*	
		For Class 54 Rating, Add	*166.50*	
		For Class 55 Rating, Add	*370.07*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.60	543.59
		For Class 52 Rating, Deduct	*-254.76*	
		For Class 54 Rating, Add	*173.70*	
		For Class 55 Rating, Add	*386.08*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,239.16	545.93
		For Class 52 Rating, Deduct	*-265.32*	
		For Class 54 Rating, Add	*180.90*	
		For Class 55 Rating, Add	*402.08*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.72	548.28
		For Class 52 Rating, Deduct	*-275.88*	
		For Class 54 Rating, Add	*188.10*	
		For Class 55 Rating, Add	*418.08*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.28	550.63
		For Class 52 Rating, Deduct	*-286.44*	
		For Class 54 Rating, Add	*195.30*	
		For Class 55 Rating, Add	*434.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.84	552.98
		For Class 52 Rating, Deduct	*-297.00*	
		For Class 54 Rating, Add	*202.50*	
		For Class 55 Rating, Add	*450.09*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,637.40	555.32
		For Class 52 Rating, Deduct	*-307.56*	
		For Class 54 Rating, Add	*209.70*	
		For Class 55 Rating, Add	*466.09*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,736.96	557.68
		For Class 52 Rating, Deduct	*-318.12*	
		For Class 54 Rating, Add	*216.90*	
		For Class 55 Rating, Add	*482.10*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.51	560.02
		For Class 52 Rating, Deduct	*-328.68*	
		For Class 54 Rating, Add	*224.10*	
		For Class 55 Rating, Add	*498.10*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,936.07	562.38
		For Class 52 Rating, Deduct	*-339.24*	
		For Class 54 Rating, Add	*231.30*	
		For Class 55 Rating, Add	*514.10*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,035.63	564.73
		For Class 52 Rating, Deduct	*-349.80*	
		For Class 54 Rating, Add	*238.50*	
		For Class 55 Rating, Add	*530.11*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.19	567.07
		For Class 52 Rating, Deduct	*-360.36*	
		For Class 54 Rating, Add	*245.70*	
		For Class 55 Rating, Add	*546.11*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,234.75	569.43
		For Class 52 Rating, Deduct	*-370.92*	
		For Class 54 Rating, Add	*252.90*	
		For Class 55 Rating, Add	*562.11*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,334.31	571.77
		For Class 52 Rating, Deduct	*-381.48*	
		For Class 54 Rating, Add	*260.10*	
		For Class 55 Rating, Add	*578.12*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,433.87	574.12
		For Class 52 Rating, Deduct	*-392.04*	
		For Class 54 Rating, Add	*267.30*	
		For Class 55 Rating, Add	*594.12*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,533.43	576.47
		For Class 52 Rating, Deduct	*-402.60*	
		For Class 54 Rating, Add	*274.50*	
		For Class 55 Rating, Add	*610.12*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,632.99	578.82
		For Class 52 Rating, Deduct	*-413.16*	
		For Class 54 Rating, Add	*281.70*	
		For Class 55 Rating, Add	*626.13*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,732.55	581.16
		For Class 52 Rating, Deduct	*-423.72*	
		For Class 54 Rating, Add	*288.90*	
		For Class 55 Rating, Add	*642.13*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,832.11	583.52
		For Class 52 Rating, Deduct	*-434.28*	
		For Class 54 Rating, Add	*296.10*	
		For Class 55 Rating, Add	*658.13*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.67	585.86
		For Class 52 Rating, Deduct	*-444.84*	
		For Class 54 Rating, Add	*303.30*	
		For Class 55 Rating, Add	*674.13*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.23	588.22
		For Class 52 Rating, Deduct	*-455.40*	
		For Class 54 Rating, Add	*310.50*	
		For Class 55 Rating, Add	*690.14*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,130.78	590.56
		For Class 52 Rating, Deduct	*-465.96*	
		For Class 54 Rating, Add	*317.70*	
		For Class 55 Rating, Add	*706.14*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,230.34	592.91
		For Class 52 Rating, Deduct	*-476.52*	
		For Class 54 Rating, Add	*324.90*	
		For Class 55 Rating, Add	*722.14*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,329.90	595.27
		For Class 52 Rating, Deduct	*-487.08*	
		For Class 54 Rating, Add	*332.10*	
		For Class 55 Rating, Add	*738.15*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,902.33	580.22
		For Class 52 Rating, Deduct	*-112.55*	
		For Class 54 Rating, Add	*76.74*	
		For Class 55 Rating, Add	*170.57*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.29	582.58
		For Class 52 Rating, Deduct	*-124.70*	
		For Class 54 Rating, Add	*85.02*	
		For Class 55 Rating, Add	*188.97*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,130.25	584.92
		For Class 52 Rating, Deduct	*-136.84*	
		For Class 54 Rating, Add	*93.30*	
		For Class 55 Rating, Add	*207.37*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,244.21	587.27
		For Class 52 Rating, Deduct	*-148.98*	
		For Class 54 Rating, Add	*101.58*	
		For Class 55 Rating, Add	*225.78*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.17	589.62
		For Class 52 Rating, Deduct	*-161.13*	
		For Class 54 Rating, Add	*109.86*	
		For Class 55 Rating, Add	*244.18*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,472.13	591.97
		For Class 52 Rating, Deduct	*-173.27*	
		For Class 54 Rating, Add	*118.14*	
		For Class 55 Rating, Add	*262.59*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,586.09	594.32
		For Class 52 Rating, Deduct	*-185.42*	
		For Class 54 Rating, Add	*126.42*	
		For Class 55 Rating, Add	*280.99*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.04	596.67
		For Class 52 Rating, Deduct	*-197.56*	
		For Class 54 Rating, Add	*134.70*	
		For Class 55 Rating, Add	*299.39*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,814.00	599.02
		For Class 52 Rating, Deduct	*-209.70*	
		For Class 54 Rating, Add	*142.98*	
		For Class 55 Rating, Add	*317.80*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.96	601.37
		For Class 52 Rating, Deduct	*-221.85*	
		For Class 54 Rating, Add	*151.26*	
		For Class 55 Rating, Add	*336.20*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.92	603.72
		For Class 52 Rating, Deduct	*-233.99*	
		For Class 54 Rating, Add	*159.54*	
		For Class 55 Rating, Add	*354.60*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.88	606.06
		For Class 52 Rating, Deduct	*-246.14*	
		For Class 54 Rating, Add	*167.82*	
		For Class 55 Rating, Add	*373.01*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.84	608.42
		For Class 52 Rating, Deduct	*-258.28*	
		For Class 54 Rating, Add	*176.10*	
		For Class 55 Rating, Add	*391.41*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,383.80	610.76
		For Class 52 Rating, Deduct	*-270.42*	
		For Class 54 Rating, Add	*184.38*	
		For Class 55 Rating, Add	*409.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.76	613.11
		For Class 52 Rating, Deduct	*-282.57*	
		For Class 54 Rating, Add	*192.66*	
		For Class 55 Rating, Add	*428.22*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,611.72	615.46
		For Class 52 Rating, Deduct	*-294.71*	
		For Class 54 Rating, Add	*200.94*	
		For Class 55 Rating, Add	*446.62*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,725.68	617.81
		For Class 52 Rating, Deduct	*-306.86*	
		For Class 54 Rating, Add	*209.22*	
		For Class 55 Rating, Add	*465.03*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,839.64	620.15
		For Class 52 Rating, Deduct	*-319.00*	
		For Class 54 Rating, Add	*217.50*	
		For Class 55 Rating, Add	*483.43*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.60	622.51
		For Class 52 Rating, Deduct	*-331.14*	
		For Class 54 Rating, Add	*225.78*	
		For Class 55 Rating, Add	*501.83*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,067.56	624.86
		For Class 52 Rating, Deduct	*-343.29*	
		For Class 54 Rating, Add	*234.06*	
		For Class 55 Rating, Add	*520.24*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,181.51	627.21
		For Class 52 Rating, Deduct	*-355.43*	
		For Class 54 Rating, Add	*242.34*	
		For Class 55 Rating, Add	*538.64*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,295.47	629.56
		For Class 52 Rating, Deduct	*-367.58*	
		For Class 54 Rating, Add	*250.62*	
		For Class 55 Rating, Add	*557.04*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,409.43	631.90
		For Class 52 Rating, Deduct	*-379.72*	
		For Class 54 Rating, Add	*258.90*	
		For Class 55 Rating, Add	*575.45*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,523.39	634.26
		For Class 52 Rating, Deduct	*-391.86*	
		For Class 54 Rating, Add	*267.18*	
		For Class 55 Rating, Add	*593.85*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,637.35	636.60
		For Class 52 Rating, Deduct	*-404.01*	
		For Class 54 Rating, Add	*275.46*	
		For Class 55 Rating, Add	*612.26*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,751.31	638.95
		For Class 52 Rating, Deduct	*-416.15*	
		For Class 54 Rating, Add	*283.74*	
		For Class 55 Rating, Add	*630.66*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,865.27	641.30
		For Class 52 Rating, Deduct	*-428.30*	
		For Class 54 Rating, Add	*292.02*	
		For Class 55 Rating, Add	*649.06*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,979.23	643.65
		For Class 52 Rating, Deduct	*-440.44*	
		For Class 54 Rating, Add	*300.30*	
		For Class 55 Rating, Add	*667.47*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,093.19	646.00
		For Class 52 Rating, Deduct	*-452.58*	
		For Class 54 Rating, Add	*308.58*	
		For Class 55 Rating, Add	*685.87*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,207.15	648.35
		For Class 52 Rating, Deduct	*-464.73*	
		For Class 54 Rating, Add	*316.86*	
		For Class 55 Rating, Add	*704.27*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,321.11	650.69
		For Class 52 Rating, Deduct	*-476.87*	
		For Class 54 Rating, Add	*325.14*	
		For Class 55 Rating, Add	*722.68*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,435.07	653.05
		For Class 52 Rating, Deduct	*-489.02*	
		For Class 54 Rating, Add	*333.42*	
		For Class 55 Rating, Add	*741.08*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,549.03	655.40
		For Class 52 Rating, Deduct	*-501.16*	
		For Class 54 Rating, Add	*341.70*	
		For Class 55 Rating, Add	*759.49*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,662.98	657.74
		For Class 52 Rating, Deduct	*-513.30*	
		For Class 54 Rating, Add	*349.98*	
		For Class 55 Rating, Add	*777.89*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,776.94	660.10
		For Class 52 Rating, Deduct	*-525.45*	
		For Class 54 Rating, Add	*358.26*	
		For Class 55 Rating, Add	*796.29*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,890.90	662.44
		For Class 52 Rating, Deduct	*-537.59*	
		For Class 54 Rating, Add	*366.54*	
		For Class 55 Rating, Add	*814.70*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,004.86	664.79
		For Class 52 Rating, Deduct	*-549.74*	
		For Class 54 Rating, Add	*374.82*	
		For Class 55 Rating, Add	*833.10*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,118.82	667.14
		For Class 52 Rating, Deduct	*-561.88*	
		For Class 54 Rating, Add	*383.10*	
		For Class 55 Rating, Add	*851.50*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.10	685.94
		For Class 52 Rating, Deduct	*-142.21*	
		For Class 54 Rating, Add	*96.96*	
		For Class 55 Rating, Add	*215.51*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,472.45	688.28
		For Class 52 Rating, Deduct	*-157.26*	
		For Class 54 Rating, Add	*107.22*	
		For Class 55 Rating, Add	*238.31*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.81	690.64
		For Class 52 Rating, Deduct	*-172.30*	
		For Class 54 Rating, Add	*117.48*	
		For Class 55 Rating, Add	*261.12*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.17	692.98
		For Class 52 Rating, Deduct	*-187.35*	
		For Class 54 Rating, Add	*127.74*	
		For Class 55 Rating, Add	*283.92*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,893.53	695.33
		For Class 52 Rating, Deduct	*-202.40*	
		For Class 54 Rating, Add	*138.00*	
		For Class 55 Rating, Add	*306.73*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,033.89	697.68
		For Class 52 Rating, Deduct	*-217.45*	
		For Class 54 Rating, Add	*148.26*	
		For Class 55 Rating, Add	*329.53*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.25	700.03
		For Class 52 Rating, Deduct	*-232.50*	
		For Class 54 Rating, Add	*158.52*	
		For Class 55 Rating, Add	*352.34*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.61	702.37
		For Class 52 Rating, Deduct	*-247.54*	
		For Class 54 Rating, Add	*168.78*	
		For Class 55 Rating, Add	*375.14*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.97	704.73
		For Class 52 Rating, Deduct	*-262.59*	
		For Class 54 Rating, Add	*179.04*	
		For Class 55 Rating, Add	*397.95*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,595.33	707.07
		For Class 52 Rating, Deduct	*-277.64*	
		For Class 54 Rating, Add	*189.30*	
		For Class 55 Rating, Add	*420.75*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.69	709.43
		For Class 52 Rating, Deduct	*-292.69*	
		For Class 54 Rating, Add	*199.56*	
		For Class 55 Rating, Add	*443.56*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,876.05	711.78
		For Class 52 Rating, Deduct	*-307.74*	
		For Class 54 Rating, Add	*209.82*	
		For Class 55 Rating, Add	*466.36*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,016.41	714.12
		For Class 52 Rating, Deduct	*-322.78*	
		For Class 54 Rating, Add	*220.08*	
		For Class 55 Rating, Add	*489.16*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,156.77	716.48
		For Class 52 Rating, Deduct	*-337.83*	
		For Class 54 Rating, Add	*230.34*	
		For Class 55 Rating, Add	*511.97*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,297.12	718.82
		For Class 52 Rating, Deduct	*-352.88*	
		For Class 54 Rating, Add	*240.60*	
		For Class 55 Rating, Add	*534.77*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,437.48	721.17
		For Class 52 Rating, Deduct	*-367.93*	
		For Class 54 Rating, Add	*250.86*	
		For Class 55 Rating, Add	*557.58*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,577.84	723.52
		For Class 52 Rating, Deduct	*-382.98*	
		For Class 54 Rating, Add	*261.12*	
		For Class 55 Rating, Add	*580.38*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,718.20	725.87
		For Class 52 Rating, Deduct	*-398.02*	
		For Class 54 Rating, Add	*271.38*	
		For Class 55 Rating, Add	*603.19*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,858.56	728.21
		For Class 52 Rating, Deduct	*-413.07*	
		For Class 54 Rating, Add	*281.64*	
		For Class 55 Rating, Add	*625.99*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,998.92	730.57
		For Class 52 Rating, Deduct	*-428.12*	
		For Class 54 Rating, Add	*291.90*	
		For Class 55 Rating, Add	*648.80*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,139.28	732.91
		For Class 52 Rating, Deduct	*-443.17*	
		For Class 54 Rating, Add	*302.16*	
		For Class 55 Rating, Add	*671.60*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,279.64	735.27
		For Class 52 Rating, Deduct	*-458.22*	
		For Class 54 Rating, Add	*312.42*	
		For Class 55 Rating, Add	*694.41*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,420.00	737.61
		For Class 52 Rating, Deduct	*-473.26*	
		For Class 54 Rating, Add	*322.68*	
		For Class 55 Rating, Add	*717.21*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,560.36	739.96
		For Class 52 Rating, Deduct	*-488.31*	
		For Class 54 Rating, Add	*332.94*	
		For Class 55 Rating, Add	*740.01*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.72	742.32
		For Class 52 Rating, Deduct	*-503.36*	
		For Class 54 Rating, Add	*343.20*	
		For Class 55 Rating, Add	*762.82*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,841.08	744.66
		For Class 52 Rating, Deduct	*-518.41*	
		For Class 54 Rating, Add	*353.46*	
		For Class 55 Rating, Add	*785.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,981.44	747.01
		For Class 52 Rating, Deduct	*-533.46*	
		For Class 54 Rating, Add	*363.72*	
		For Class 55 Rating, Add	*808.43*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,121.79	749.36
		For Class 52 Rating, Deduct	*-548.50*	
		For Class 54 Rating, Add	*373.98*	
		For Class 55 Rating, Add	*831.23*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,262.15	751.71
		For Class 52 Rating, Deduct	*-563.55*	
		For Class 54 Rating, Add	*384.24*	
		For Class 55 Rating, Add	*854.04*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,463.02	793.99
		For Class 52 Rating, Deduct	*-578.60*	
		For Class 54 Rating, Add	*394.50*	
		For Class 55 Rating, Add	*876.84*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,603.38	796.34
		For Class 52 Rating, Deduct	*-593.65*	
		For Class 54 Rating, Add	*404.76*	
		For Class 55 Rating, Add	*899.65*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,743.74	798.69
		For Class 52 Rating, Deduct	*-608.70*	
		For Class 54 Rating, Add	*415.02*	
		For Class 55 Rating, Add	*922.45*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,884.10	801.04
		For Class 52 Rating, Deduct	*-623.74*	
		For Class 54 Rating, Add	*425.28*	
		For Class 55 Rating, Add	*945.26*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,024.46	803.39
		For Class 52 Rating, Deduct	*-638.79*	
		For Class 54 Rating, Add	*435.54*	
		For Class 55 Rating, Add	*968.06*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,164.82	805.74
		For Class 52 Rating, Deduct	*-653.84*	
		For Class 54 Rating, Add	*445.80*	
		For Class 55 Rating, Add	*990.86*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,305.18	808.09
		For Class 52 Rating, Deduct	*-668.89*	
		For Class 54 Rating, Add	*456.06*	
		For Class 55 Rating, Add	*1,013.67*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,445.53	810.43
		For Class 52 Rating, Deduct	*-683.94*	
		For Class 54 Rating, Add	*466.32*	
		For Class 55 Rating, Add	*1,036.47*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,585.89	812.79
		For Class 52 Rating, Deduct	*-698.98*	
		For Class 54 Rating, Add	*476.58*	
		For Class 55 Rating, Add	*1,059.28*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,530.40	967.82
		For Class 52 Rating, Deduct	*-227.04*	
		For Class 54 Rating, Add	*154.80*	
		For Class 55 Rating, Add	*344.07*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,731.56	970.17
		For Class 52 Rating, Deduct	*-248.78*	
		For Class 54 Rating, Add	*169.62*	
		For Class 55 Rating, Add	*377.01*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,932.72	972.52
		For Class 52 Rating, Deduct	*-270.51*	
		For Class 54 Rating, Add	*184.44*	
		For Class 55 Rating, Add	*409.95*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,133.88	974.87
		For Class 52 Rating, Deduct	*-292.25*	
		For Class 54 Rating, Add	*199.26*	
		For Class 55 Rating, Add	*442.89*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,335.04	977.23
		For Class 52 Rating, Deduct	*-313.98*	
		For Class 54 Rating, Add	*214.08*	
		For Class 55 Rating, Add	*475.83*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,536.20	979.57
		For Class 52 Rating, Deduct	*-335.72*	
		For Class 54 Rating, Add	*228.90*	
		For Class 55 Rating, Add	*508.77*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,737.36	981.92
		For Class 52 Rating, Deduct	*-357.46*	
		For Class 54 Rating, Add	*243.72*	
		For Class 55 Rating, Add	*541.71*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.52	984.27
		For Class 52 Rating, Deduct	*-379.19*	
		For Class 54 Rating, Add	*258.54*	
		For Class 55 Rating, Add	*574.65*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,139.68	986.62
		For Class 52 Rating, Deduct	*-400.93*	
		For Class 54 Rating, Add	*273.36*	
		For Class 55 Rating, Add	*607.59*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,340.84	988.96
		For Class 52 Rating, Deduct	*-422.66*	
		For Class 54 Rating, Add	*288.18*	
		For Class 55 Rating, Add	*640.53*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,542.00	991.32
		For Class 52 Rating, Deduct	*-444.40*	
		For Class 54 Rating, Add	*303.00*	
		For Class 55 Rating, Add	*673.47*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,743.15	993.66
		For Class 52 Rating, Deduct	*-466.14*	
		For Class 54 Rating, Add	*317.82*	
		For Class 55 Rating, Add	*706.41*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,944.31	996.02
		For Class 52 Rating, Deduct	*-487.87*	
		For Class 54 Rating, Add	*332.64*	
		For Class 55 Rating, Add	*739.35*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,145.47	998.36
		For Class 52 Rating, Deduct	*-509.61*	
		For Class 54 Rating, Add	*347.46*	
		For Class 55 Rating, Add	*772.29*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,346.63	1,000.71
		For Class 52 Rating, Deduct	*-531.34*	
		For Class 54 Rating, Add	*362.28*	
		For Class 55 Rating, Add	*805.23*	
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,547.79	1,003.06
		For Class 52 Rating, Deduct	*-553.08*	
		For Class 54 Rating, Add	*377.10*	
		For Class 55 Rating, Add	*838.17*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,748.95	1,005.41
		For Class 52 Rating, Deduct	*-574.82*	
		For Class 54 Rating, Add	*391.92*	
		For Class 55 Rating, Add	*871.11*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,950.11	1,007.76
		For Class 52 Rating, Deduct	*-596.55*	
		For Class 54 Rating, Add	*406.74*	
		For Class 55 Rating, Add	*904.05*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,151.27	1,010.11
		For Class 52 Rating, Deduct	*-618.29*	
		For Class 54 Rating, Add	*421.56*	
		For Class 55 Rating, Add	*936.99*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,352.43	1,012.46
		For Class 52 Rating, Deduct	*-640.02*	
		For Class 54 Rating, Add	*436.38*	
		For Class 55 Rating, Add	*969.93*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,553.59	1,014.81
		For Class 52 Rating, Deduct	*-661.76*	
		For Class 54 Rating, Add	*451.20*	
		For Class 55 Rating, Add	*1,002.87*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,754.75	1,017.16
		For Class 52 Rating, Deduct	*-683.50*	
		For Class 54 Rating, Add	*466.02*	
		For Class 55 Rating, Add	*1,035.81*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,955.91	1,019.50
		For Class 52 Rating, Deduct	*-705.23*	
		For Class 54 Rating, Add	*480.84*	
		For Class 55 Rating, Add	*1,068.75*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,157.07	1,021.86
		For Class 52 Rating, Deduct	*-726.97*	
		For Class 54 Rating, Add	*495.66*	
		For Class 55 Rating, Add	*1,101.69*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,358.22	1,024.20
		For Class 52 Rating, Deduct	*-748.70*	
		For Class 54 Rating, Add	*510.48*	
		For Class 55 Rating, Add	*1,134.63*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,559.38	1,026.55
		For Class 52 Rating, Deduct	*-770.44*	
		For Class 54 Rating, Add	*525.30*	
		For Class 55 Rating, Add	*1,167.57*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,760.54	1,028.90
		For Class 52 Rating, Deduct	*-792.18*	
		For Class 54 Rating, Add	*540.12*	
		For Class 55 Rating, Add	*1,200.51*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,961.70	1,031.25
		For Class 52 Rating, Deduct	*-813.91*	
		For Class 54 Rating, Add	*554.94*	
		For Class 55 Rating, Add	*1,233.45*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,162.86	1,033.59
		For Class 52 Rating, Deduct	*-835.65*	
		For Class 54 Rating, Add	*569.76*	
		For Class 55 Rating, Add	*1,266.39*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,364.02	1,035.95
		For Class 52 Rating, Deduct	*-857.38*	
		For Class 54 Rating, Add	*584.58*	
		For Class 55 Rating, Add	*1,299.33*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,565.18	1,038.30
		For Class 52 Rating, Deduct	*-879.12*	
		For Class 54 Rating, Add	*599.40*	
		For Class 55 Rating, Add	*1,332.27*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,766.34	1,040.65
		For Class 52 Rating, Deduct	*-900.86*	
		For Class 54 Rating, Add	*614.22*	
		For Class 55 Rating, Add	*1,365.21*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,967.50	1,043.00
		For Class 52 Rating, Deduct	*-922.59*	
		For Class 54 Rating, Add	*629.04*	
		For Class 55 Rating, Add	*1,398.15*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,168.66	1,045.34
		For Class 52 Rating, Deduct	*-944.33*	
		For Class 54 Rating, Add	*643.86*	
		For Class 55 Rating, Add	*1,431.09*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,369.82	1,047.70
		For Class 52 Rating, Deduct	*-966.06*	
		For Class 54 Rating, Add	*658.68*	
		For Class 55 Rating, Add	*1,464.03*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,570.98	1,050.04
		For Class 52 Rating, Deduct	*-987.80*	
		For Class 54 Rating, Add	*673.50*	
		For Class 55 Rating, Add	*1,496.97*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.14	1,052.39
		For Class 52 Rating, Deduct	*-1,009.54*	
		For Class 54 Rating, Add	*688.32*	
		For Class 55 Rating, Add	*1,529.91*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,973.29	1,054.74
		For Class 52 Rating, Deduct	*-1,031.27*	
		For Class 54 Rating, Add	*703.14*	
		For Class 55 Rating, Add	*1,562.85*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989		36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*			
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,767.52	1,226.23
		For Class 52 Rating, Deduct		*-320.06*	
		For Class 54 Rating, Add		*218.22*	
		For Class 55 Rating, Add		*485.03*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,039.88	1,228.57
		For Class 52 Rating, Deduct		*-349.62*	
		For Class 54 Rating, Add		*238.38*	
		For Class 55 Rating, Add		*529.84*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,312.24	1,230.92
		For Class 52 Rating, Deduct		*-379.19*	
		For Class 54 Rating, Add		*258.54*	
		For Class 55 Rating, Add		*574.65*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,584.60	1,233.27
		For Class 52 Rating, Deduct		*-408.76*	
		For Class 54 Rating, Add		*278.70*	
		For Class 55 Rating, Add		*619.46*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,856.96	1,235.62
		For Class 52 Rating, Deduct		*-438.33*	
		For Class 54 Rating, Add		*298.86*	
		For Class 55 Rating, Add		*664.27*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,129.31	1,237.97
		For Class 52 Rating, Deduct		*-467.90*	
		For Class 54 Rating, Add		*319.02*	
		For Class 55 Rating, Add		*709.08*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,401.67	1,240.32
		For Class 52 Rating, Deduct		*-497.46*	
		For Class 54 Rating, Add		*339.18*	
		For Class 55 Rating, Add		*753.88*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,674.03	1,242.66
		For Class 52 Rating, Deduct		*-527.03*	
		For Class 54 Rating, Add		*359.34*	
		For Class 55 Rating, Add		*798.69*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,946.39	1,245.02
		For Class 52 Rating, Deduct		*-556.60*	
		For Class 54 Rating, Add		*379.50*	
		For Class 55 Rating, Add		*843.50*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,218.75	1,247.37
		For Class 52 Rating, Deduct		*-586.17*	
		For Class 54 Rating, Add		*399.66*	
		For Class 55 Rating, Add		*888.31*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,491.11	1,249.71
		For Class 52 Rating, Deduct		*-615.74*	
		For Class 54 Rating, Add		*419.82*	
		For Class 55 Rating, Add		*933.12*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,763.47	1,252.07
		For Class 52 Rating, Deduct		*-645.30*	
		For Class 54 Rating, Add		*439.98*	
		For Class 55 Rating, Add		*977.93*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,035.83	1,254.41
		For Class 52 Rating, Deduct		*-674.87*	
		For Class 54 Rating, Add		*460.14*	
		For Class 55 Rating, Add		*1,022.74*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,308.19	1,256.77
		For Class 52 Rating, Deduct		*-704.44*	
		For Class 54 Rating, Add		*480.30*	
		For Class 55 Rating, Add		*1,067.55*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,580.55	1,259.11
		For Class 52 Rating, Deduct		*-734.01*	
		For Class 54 Rating, Add		*500.46*	
		For Class 55 Rating, Add		*1,112.36*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,852.91	1,261.46
		For Class 52 Rating, Deduct		*-763.58*	
		For Class 54 Rating, Add		*520.62*	
		For Class 55 Rating, Add		*1,157.16*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,125.27	1,263.81
		For Class 52 Rating, Deduct	*-793.14*	
		For Class 54 Rating, Add	*540.78*	
		For Class 55 Rating, Add	*1,201.97*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,397.63	1,266.16
		For Class 52 Rating, Deduct	*-822.71*	
		For Class 54 Rating, Add	*560.94*	
		For Class 55 Rating, Add	*1,246.78*	
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,669.98	1,268.50
		For Class 52 Rating, Deduct	*-852.28*	
		For Class 54 Rating, Add	*581.10*	
		For Class 55 Rating, Add	*1,291.59*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,942.34	1,270.86
		For Class 52 Rating, Deduct	*-881.85*	
		For Class 54 Rating, Add	*601.26*	
		For Class 55 Rating, Add	*1,336.40*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,214.70	1,273.20
		For Class 52 Rating, Deduct	*-911.42*	
		For Class 54 Rating, Add	*621.42*	
		For Class 55 Rating, Add	*1,381.21*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,487.06	1,275.55
		For Class 52 Rating, Deduct	*-940.98*	
		For Class 54 Rating, Add	*641.58*	
		For Class 55 Rating, Add	*1,426.02*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,759.42	1,277.91
		For Class 52 Rating, Deduct	*-970.55*	
		For Class 54 Rating, Add	*661.74*	
		For Class 55 Rating, Add	*1,470.83*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,031.78	1,280.25
		For Class 52 Rating, Deduct	*-1,000.12*	
		For Class 54 Rating, Add	*681.90*	
		For Class 55 Rating, Add	*1,515.64*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,304.14	1,282.61
		For Class 52 Rating, Deduct	*-1,029.69*	
		For Class 54 Rating, Add	*702.06*	
		For Class 55 Rating, Add	*1,560.45*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,576.50	1,284.95
		For Class 52 Rating, Deduct	*-1,059.26*	
		For Class 54 Rating, Add	*722.22*	
		For Class 55 Rating, Add	*1,605.25*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,848.86	1,287.30
		For Class 52 Rating, Deduct	*-1,088.82*	
		For Class 54 Rating, Add	*742.38*	
		For Class 55 Rating, Add	*1,650.06*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,121.22	1,289.65
		For Class 52 Rating, Deduct	*-1,118.39*	
		For Class 54 Rating, Add	*762.54*	
		For Class 55 Rating, Add	*1,694.87*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,393.58	1,292.00
		For Class 52 Rating, Deduct	*-1,147.96*	
		For Class 54 Rating, Add	*782.70*	
		For Class 55 Rating, Add	*1,739.68*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,665.94	1,294.34
		For Class 52 Rating, Deduct	*-1,177.53*	
		For Class 54 Rating, Add	*802.86*	
		For Class 55 Rating, Add	*1,784.49*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,938.30	1,296.70
		For Class 52 Rating, Deduct	*-1,207.10*	
		For Class 54 Rating, Add	*823.02*	
		For Class 55 Rating, Add	*1,829.30*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,210.65	1,299.04
		For Class 52 Rating, Deduct	*-1,236.66*	
		For Class 54 Rating, Add	*843.18*	
		For Class 55 Rating, Add	*1,874.11*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,483.01	1,301.40
		For Class 52 Rating, Deduct	*-1,266.23*	
		For Class 54 Rating, Add	*863.34*	
		For Class 55 Rating, Add	*1,918.92*	

copyright 2018 The Gordian Group, Inc.

	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023		EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,755.37	1,303.75
			For Class 52 Rating, Deduct	*-1,295.80*	
			For Class 54 Rating, Add	*883.50*	
			For Class 55 Rating, Add	*1,963.73*	
40 05 19 00-1024		EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,027.73	1,306.09
			For Class 52 Rating, Deduct	*-1,325.37*	
			For Class 54 Rating, Add	*903.66*	
			For Class 55 Rating, Add	*2,008.53*	
40 05 19 00-1025		EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,300.09	1,308.45
			For Class 52 Rating, Deduct	*-1,354.94*	
			For Class 54 Rating, Add	*923.82*	
			For Class 55 Rating, Add	*2,053.34*	
40 05 19 00-1026		EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,572.45	1,310.79
			For Class 52 Rating, Deduct	*-1,384.50*	
			For Class 54 Rating, Add	*943.98*	
			For Class 55 Rating, Add	*2,098.15*	
40 05 19 00-1027		EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,844.81	1,313.14
			For Class 52 Rating, Deduct	*-1,414.07*	
			For Class 54 Rating, Add	*964.14*	
			For Class 55 Rating, Add	*2,142.96*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030		EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	290.06	114.88
			For Class 52 Rating, Deduct	*-12.76*	
			For Class 54 Rating, Add	*8.70*	
			For Class 55 Rating, Add	*19.34*	
40 05 19 00-1031		EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	313.90	116.89
			For Class 52 Rating, Deduct	*-15.05*	
			For Class 54 Rating, Add	*10.26*	
			For Class 55 Rating, Add	*22.80*	
40 05 19 00-1032		EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	337.75	118.91
			For Class 52 Rating, Deduct	*-17.34*	
			For Class 54 Rating, Add	*11.82*	
			For Class 55 Rating, Add	*26.27*	
40 05 19 00-1033		EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	361.59	120.90
			For Class 52 Rating, Deduct	*-19.62*	
			For Class 54 Rating, Add	*13.38*	
			For Class 55 Rating, Add	*29.74*	
40 05 19 00-1034		EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	385.44	122.92
			For Class 52 Rating, Deduct	*-21.91*	
			For Class 54 Rating, Add	*14.94*	
			For Class 55 Rating, Add	*33.21*	
40 05 19 00-1035		EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	409.28	124.93
			For Class 52 Rating, Deduct	*-24.20*	
			For Class 54 Rating, Add	*16.50*	
			For Class 55 Rating, Add	*36.67*	
40 05 19 00-1036		EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	433.13	126.94
			For Class 52 Rating, Deduct	*-26.49*	
			For Class 54 Rating, Add	*18.06*	
			For Class 55 Rating, Add	*40.14*	
40 05 19 00-1037		EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	456.97	128.94
			For Class 52 Rating, Deduct	*-28.78*	
			For Class 54 Rating, Add	*19.62*	
			For Class 55 Rating, Add	*43.61*	
40 05 19 00-1038		EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	480.81	130.95
			For Class 52 Rating, Deduct	*-31.06*	
			For Class 54 Rating, Add	*21.18*	
			For Class 55 Rating, Add	*47.08*	
40 05 19 00-1039		EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	504.65	132.97
			For Class 52 Rating, Deduct	*-33.35*	
			For Class 54 Rating, Add	*22.74*	
			For Class 55 Rating, Add	*50.54*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	528.50	134.96
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	552.34	136.97
		For Class 52 Rating, Deduct	*-37.93*	
		For Class 54 Rating, Add	*25.86*	
		For Class 55 Rating, Add	*57.48*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.18	138.99
		For Class 52 Rating, Deduct	*-40.22*	
		For Class 54 Rating, Add	*27.42*	
		For Class 55 Rating, Add	*60.95*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	600.02	141.00
		For Class 52 Rating, Deduct	*-42.50*	
		For Class 54 Rating, Add	*28.98*	
		For Class 55 Rating, Add	*64.41*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	623.87	143.00
		For Class 52 Rating, Deduct	*-44.79*	
		For Class 54 Rating, Add	*30.54*	
		For Class 55 Rating, Add	*67.88*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	647.71	145.01
		For Class 52 Rating, Deduct	*-47.08*	
		For Class 54 Rating, Add	*32.10*	
		For Class 55 Rating, Add	*71.35*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	671.55	147.02
		For Class 52 Rating, Deduct	*-49.37*	
		For Class 54 Rating, Add	*33.66*	
		For Class 55 Rating, Add	*74.81*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	695.39	149.03
		For Class 52 Rating, Deduct	*-51.66*	
		For Class 54 Rating, Add	*35.22*	
		For Class 55 Rating, Add	*78.28*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	719.24	151.03
		For Class 52 Rating, Deduct	*-53.94*	
		For Class 54 Rating, Add	*36.78*	
		For Class 55 Rating, Add	*81.75*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	743.09	153.05
		For Class 52 Rating, Deduct	*-56.23*	
		For Class 54 Rating, Add	*38.34*	
		For Class 55 Rating, Add	*85.22*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	766.93	155.06
		For Class 52 Rating, Deduct	*-58.52*	
		For Class 54 Rating, Add	*39.90*	
		For Class 55 Rating, Add	*88.68*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	790.77	157.06
		For Class 52 Rating, Deduct	*-60.81*	
		For Class 54 Rating, Add	*41.46*	
		For Class 55 Rating, Add	*92.15*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	814.62	159.07
		For Class 52 Rating, Deduct	*-63.10*	
		For Class 54 Rating, Add	*43.02*	
		For Class 55 Rating, Add	*95.62*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	838.46	161.08
		For Class 52 Rating, Deduct	*-65.38*	
		For Class 54 Rating, Add	*44.58*	
		For Class 55 Rating, Add	*99.09*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	862.30	163.09
		For Class 52 Rating, Deduct	*-67.67*	
		For Class 54 Rating, Add	*46.14*	
		For Class 55 Rating, Add	*102.55*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	886.14	165.09
		For Class 52 Rating, Deduct	*-69.96*	
		For Class 54 Rating, Add	*47.70*	
		For Class 55 Rating, Add	*106.02*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.99	167.11
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	933.83	169.12
		For Class 52 Rating, Deduct	*-74.54*	
		For Class 54 Rating, Add	*50.82*	
		For Class 55 Rating, Add	*112.96*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.67	171.11
		For Class 52 Rating, Deduct	*-76.82*	
		For Class 54 Rating, Add	*52.38*	
		For Class 55 Rating, Add	*116.42*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	981.51	173.13
		For Class 52 Rating, Deduct	*-79.11*	
		For Class 54 Rating, Add	*53.94*	
		For Class 55 Rating, Add	*119.89*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,005.36	175.14
		For Class 52 Rating, Deduct	*-81.40*	
		For Class 54 Rating, Add	*55.50*	
		For Class 55 Rating, Add	*123.36*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,029.20	177.16
		For Class 52 Rating, Deduct	*-83.69*	
		For Class 54 Rating, Add	*57.06*	
		For Class 55 Rating, Add	*126.83*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,053.04	179.15
		For Class 52 Rating, Deduct	*-85.98*	
		For Class 54 Rating, Add	*58.62*	
		For Class 55 Rating, Add	*130.29*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.89	181.16
		For Class 52 Rating, Deduct	*-88.26*	
		For Class 54 Rating, Add	*60.18*	
		For Class 55 Rating, Add	*133.76*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,100.73	183.18
		For Class 52 Rating, Deduct	*-90.55*	
		For Class 54 Rating, Add	*61.74*	
		For Class 55 Rating, Add	*137.23*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.58	185.17
		For Class 52 Rating, Deduct	*-92.84*	
		For Class 54 Rating, Add	*63.30*	
		For Class 55 Rating, Add	*140.69*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.42	187.19
		For Class 52 Rating, Deduct	*-95.13*	
		For Class 54 Rating, Add	*64.86*	
		For Class 55 Rating, Add	*144.16*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.26	189.20
		For Class 52 Rating, Deduct	*-97.42*	
		For Class 54 Rating, Add	*66.42*	
		For Class 55 Rating, Add	*147.63*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.10	191.21
		For Class 52 Rating, Deduct	*-99.70*	
		For Class 54 Rating, Add	*67.98*	
		For Class 55 Rating, Add	*151.10*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	363.91	144.61
		For Class 52 Rating, Deduct	*-15.93*	
		For Class 54 Rating, Add	*10.86*	
		For Class 55 Rating, Add	*24.14*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	392.55	146.63
		For Class 52 Rating, Deduct	*-18.74*	
		For Class 54 Rating, Add	*12.78*	
		For Class 55 Rating, Add	*28.41*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	421.19	148.62
		For Class 52 Rating, Deduct	*-21.56*	
		For Class 54 Rating, Add	*14.70*	
		For Class 55 Rating, Add	*32.67*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	449.83	150.63
		For Class 52 Rating, Deduct	*-24.38*	
		For Class 54 Rating, Add	*16.62*	
		For Class 55 Rating, Add	*36.94*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	478.48	152.65
		For Class 52 Rating, Deduct	*-27.19*	
		For Class 54 Rating, Add	*18.54*	
		For Class 55 Rating, Add	*41.21*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	507.12	154.65
		For Class 52 Rating, Deduct	*-30.01*	
		For Class 54 Rating, Add	*20.46*	
		For Class 55 Rating, Add	*45.48*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	535.76	156.66
		For Class 52 Rating, Deduct	*-32.82*	
		For Class 54 Rating, Add	*22.38*	
		For Class 55 Rating, Add	*49.74*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	564.40	158.67
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	593.06	160.68
		For Class 52 Rating, Deduct	*-38.46*	
		For Class 54 Rating, Add	*26.22*	
		For Class 55 Rating, Add	*58.28*	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	621.70	162.68
		For Class 52 Rating, Deduct	*-41.27*	
		For Class 54 Rating, Add	*28.14*	
		For Class 55 Rating, Add	*62.55*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.34	164.69
		For Class 52 Rating, Deduct	*-44.09*	
		For Class 54 Rating, Add	*30.06*	
		For Class 55 Rating, Add	*66.81*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	678.98	166.71
		For Class 52 Rating, Deduct	*-46.90*	
		For Class 54 Rating, Add	*31.98*	
		For Class 55 Rating, Add	*71.08*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	707.63	168.71
		For Class 52 Rating, Deduct	*-49.72*	
		For Class 54 Rating, Add	*33.90*	
		For Class 55 Rating, Add	*75.35*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.27	170.72
		For Class 52 Rating, Deduct	*-52.54*	
		For Class 54 Rating, Add	*35.82*	
		For Class 55 Rating, Add	*79.62*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	764.91	172.73
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	793.55	174.74
		For Class 52 Rating, Deduct	*-58.17*	
		For Class 54 Rating, Add	*39.66*	
		For Class 55 Rating, Add	*88.15*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.20	176.74
		For Class 52 Rating, Deduct	*-60.98*	
		For Class 54 Rating, Add	*41.58*	
		For Class 55 Rating, Add	*92.42*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.84	178.75
		For Class 52 Rating, Deduct	*-63.80*	
		For Class 54 Rating, Add	*43.50*	
		For Class 55 Rating, Add	*96.69*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	879.48	180.76
		For Class 52 Rating, Deduct	*-66.62*	
		For Class 54 Rating, Add	*45.42*	
		For Class 55 Rating, Add	*100.95*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	908.12	182.78
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	936.76	184.77
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	965.41	186.79
		For Class 52 Rating, Deduct	*-75.06*	
		For Class 54 Rating, Add	*51.18*	
		For Class 55 Rating, Add	*113.76*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	994.06	188.80
		For Class 52 Rating, Deduct	*-77.88*	
		For Class 54 Rating, Add	*53.10*	
		For Class 55 Rating, Add	*118.02*	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.70	190.81
		For Class 52 Rating, Deduct	*-80.70*	
		For Class 54 Rating, Add	*55.02*	
		For Class 55 Rating, Add	*122.29*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,051.34	192.81
		For Class 52 Rating, Deduct	*-83.51*	
		For Class 54 Rating, Add	*56.94*	
		For Class 55 Rating, Add	*126.56*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,079.99	194.82
		For Class 52 Rating, Deduct	*-86.33*	
		For Class 54 Rating, Add	*58.86*	
		For Class 55 Rating, Add	*130.83*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,108.63	196.84
		For Class 52 Rating, Deduct	*-89.14*	
		For Class 54 Rating, Add	*60.78*	
		For Class 55 Rating, Add	*135.09*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,137.27	198.83
		For Class 52 Rating, Deduct	*-91.96*	
		For Class 54 Rating, Add	*62.70*	
		For Class 55 Rating, Add	*139.36*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,165.91	200.85
		For Class 52 Rating, Deduct	*-94.78*	
		For Class 54 Rating, Add	*64.62*	
		For Class 55 Rating, Add	*143.63*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.56	202.86
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.20	204.86
		For Class 52 Rating, Deduct	*-100.41*	
		For Class 54 Rating, Add	*68.46*	
		For Class 55 Rating, Add	*152.16*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,251.84	206.87
		For Class 52 Rating, Deduct	*-103.22*	
		For Class 54 Rating, Add	*70.38*	
		For Class 55 Rating, Add	*156.43*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.48	208.88
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,309.13	210.90
		For Class 52 Rating, Deduct	*-108.86*	
		For Class 54 Rating, Add	*74.22*	
		For Class 55 Rating, Add	*164.97*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,337.77	212.89
		For Class 52 Rating, Deduct	*-111.67*	
		For Class 54 Rating, Add	*76.14*	
		For Class 55 Rating, Add	*169.23*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.41	214.90
		For Class 52 Rating, Deduct	*-114.49*	
		For Class 54 Rating, Add	*78.06*	
		For Class 55 Rating, Add	*173.50*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.05	216.92
		For Class 52 Rating, Deduct	*-117.30*	
		For Class 54 Rating, Add	*79.98*	
		For Class 55 Rating, Add	*177.77*	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.71	218.92
		For Class 52 Rating, Deduct	*-120.12*	
		For Class 54 Rating, Add	*81.90*	
		For Class 55 Rating, Add	*182.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.35	220.93
		For Class 52 Rating, Deduct	*-122.94*	
		For Class 54 Rating, Add	*83.82*	
		For Class 55 Rating, Add	*186.30*	
40 05 19 00-1109		8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	490.36	184.77
		For Class 52 Rating, Deduct	*-23.14*	
		For Class 54 Rating, Add	*15.78*	
		For Class 55 Rating, Add	*35.07*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	528.61	186.79
		For Class 52 Rating, Deduct	*-27.02*	
		For Class 54 Rating, Add	*18.42*	
		For Class 55 Rating, Add	*40.94*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	566.86	188.80
		For Class 52 Rating, Deduct	*-30.89*	
		For Class 54 Rating, Add	*21.06*	
		For Class 55 Rating, Add	*46.81*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	605.10	190.81
		For Class 52 Rating, Deduct	*-34.76*	
		For Class 54 Rating, Add	*23.70*	
		For Class 55 Rating, Add	*52.68*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	643.34	192.81
		For Class 52 Rating, Deduct	*-38.63*	
		For Class 54 Rating, Add	*26.34*	
		For Class 55 Rating, Add	*58.55*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.59	194.82
		For Class 52 Rating, Deduct	*-42.50*	
		For Class 54 Rating, Add	*28.98*	
		For Class 55 Rating, Add	*64.41*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	719.83	196.84
		For Class 52 Rating, Deduct	*-46.38*	
		For Class 54 Rating, Add	*31.62*	
		For Class 55 Rating, Add	*70.28*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.07	198.83
		For Class 52 Rating, Deduct	*-50.25*	
		For Class 54 Rating, Add	*34.26*	
		For Class 55 Rating, Add	*76.15*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	796.31	200.85
		For Class 52 Rating, Deduct	*-54.12*	
		For Class 54 Rating, Add	*36.90*	
		For Class 55 Rating, Add	*82.02*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.56	202.86
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.80	204.86
		For Class 52 Rating, Deduct	*-61.86*	
		For Class 54 Rating, Add	*42.18*	
		For Class 55 Rating, Add	*93.75*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	911.04	206.87
		For Class 52 Rating, Deduct	*-65.74*	
		For Class 54 Rating, Add	*44.82*	
		For Class 55 Rating, Add	*99.62*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.28	208.88
		For Class 52 Rating, Deduct	*-69.61*	
		For Class 54 Rating, Add	*47.46*	
		For Class 55 Rating, Add	*105.49*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	987.53	210.90
		For Class 52 Rating, Deduct	*-73.48*	
		For Class 54 Rating, Add	*50.10*	
		For Class 55 Rating, Add	*111.36*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,025.77	212.89
		For Class 52 Rating, Deduct	*-77.35*	
		For Class 54 Rating, Add	*52.74*	
		For Class 55 Rating, Add	*117.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,064.01	214.90
		For Class 52 Rating, Deduct	*-81.22*	
		For Class 54 Rating, Add	*55.38*	
		For Class 55 Rating, Add	*123.09*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,102.25	216.92
		For Class 52 Rating, Deduct	*-85.10*	
		For Class 54 Rating, Add	*58.02*	
		For Class 55 Rating, Add	*128.96*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,140.51	218.92
		For Class 52 Rating, Deduct	*-88.97*	
		For Class 54 Rating, Add	*60.66*	
		For Class 55 Rating, Add	*134.83*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,178.75	220.93
		For Class 52 Rating, Deduct	*-92.84*	
		For Class 54 Rating, Add	*63.30*	
		For Class 55 Rating, Add	*140.69*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.99	222.94
		For Class 52 Rating, Deduct	*-96.71*	
		For Class 54 Rating, Add	*65.94*	
		For Class 55 Rating, Add	*146.56*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.23	224.95
		For Class 52 Rating, Deduct	*-100.58*	
		For Class 54 Rating, Add	*68.58*	
		For Class 55 Rating, Add	*152.43*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.48	226.96
		For Class 52 Rating, Deduct	*-104.46*	
		For Class 54 Rating, Add	*71.22*	
		For Class 55 Rating, Add	*158.30*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,331.72	228.96
		For Class 52 Rating, Deduct	*-108.33*	
		For Class 54 Rating, Add	*73.86*	
		For Class 55 Rating, Add	*164.17*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.96	230.98
		For Class 52 Rating, Deduct	*-112.20*	
		For Class 54 Rating, Add	*76.50*	
		For Class 55 Rating, Add	*170.03*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.20	232.99
		For Class 52 Rating, Deduct	*-116.07*	
		For Class 54 Rating, Add	*79.14*	
		For Class 55 Rating, Add	*175.90*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.45	234.99
		For Class 52 Rating, Deduct	*-119.94*	
		For Class 54 Rating, Add	*81.78*	
		For Class 55 Rating, Add	*181.77*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,484.69	237.00
		For Class 52 Rating, Deduct	*-123.82*	
		For Class 54 Rating, Add	*84.42*	
		For Class 55 Rating, Add	*187.64*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.93	239.01
		For Class 52 Rating, Deduct	*-127.69*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*193.51*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,561.17	241.02
		For Class 52 Rating, Deduct	*-131.56*	
		For Class 54 Rating, Add	*89.70*	
		For Class 55 Rating, Add	*199.37*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.42	243.02
		For Class 52 Rating, Deduct	*-135.43*	
		For Class 54 Rating, Add	*92.34*	
		For Class 55 Rating, Add	*205.24*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,637.66	245.03
		For Class 52 Rating, Deduct	*-139.30*	
		For Class 54 Rating, Add	*94.98*	
		For Class 55 Rating, Add	*211.11*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.91	247.05
		For Class 52 Rating, Deduct	*-143.18*	
		For Class 54 Rating, Add	*97.62*	
		For Class 55 Rating, Add	*216.98*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,714.15	249.04
		For Class 52 Rating, Deduct	*-147.05*	
		For Class 54 Rating, Add	*100.26*	
		For Class 55 Rating, Add	*222.84*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.40	251.06
		For Class 52 Rating, Deduct	*-150.92*	
		For Class 54 Rating, Add	*102.90*	
		For Class 55 Rating, Add	*228.71*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,790.64	253.07
		For Class 52 Rating, Deduct	*-154.79*	
		For Class 54 Rating, Add	*105.54*	
		For Class 55 Rating, Add	*234.58*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,828.88	255.08
		For Class 52 Rating, Deduct	*-158.66*	
		For Class 54 Rating, Add	*108.18*	
		For Class 55 Rating, Add	*240.45*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,867.12	257.08
		For Class 52 Rating, Deduct	*-162.54*	
		For Class 54 Rating, Add	*110.82*	
		For Class 55 Rating, Add	*246.32*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.37	259.09
		For Class 52 Rating, Deduct	*-166.41*	
		For Class 54 Rating, Add	*113.46*	
		For Class 55 Rating, Add	*252.18*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.61	261.11
		For Class 52 Rating, Deduct	*-170.28*	
		For Class 54 Rating, Add	*116.10*	
		For Class 55 Rating, Add	*258.05*	

40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	612.03	224.95
		For Class 52 Rating, Deduct	*-29.83*	
		For Class 54 Rating, Add	*20.34*	
		For Class 55 Rating, Add	*45.21*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	661.48	226.96
		For Class 52 Rating, Deduct	*-34.94*	
		For Class 54 Rating, Add	*23.82*	
		For Class 55 Rating, Add	*52.94*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	710.92	228.96
		For Class 52 Rating, Deduct	*-40.04*	
		For Class 54 Rating, Add	*27.30*	
		For Class 55 Rating, Add	*60.68*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	760.36	230.98
		For Class 52 Rating, Deduct	*-45.14*	
		For Class 54 Rating, Add	*30.78*	
		For Class 55 Rating, Add	*68.41*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	809.80	232.99
		For Class 52 Rating, Deduct	*-50.25*	
		For Class 54 Rating, Add	*34.26*	
		For Class 55 Rating, Add	*76.15*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	859.25	234.99
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	908.69	237.00
		For Class 52 Rating, Deduct	*-60.46*	
		For Class 54 Rating, Add	*41.22*	
		For Class 55 Rating, Add	*91.62*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.13	239.01
		For Class 52 Rating, Deduct	*-65.56*	
		For Class 54 Rating, Add	*44.70*	
		For Class 55 Rating, Add	*99.35*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.57	241.02
		For Class 52 Rating, Deduct	*-70.66*	
		For Class 54 Rating, Add	*48.18*	
		For Class 55 Rating, Add	*107.09*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,057.02	243.02
		For Class 52 Rating, Deduct	*-75.77*	
		For Class 54 Rating, Add	*51.66*	
		For Class 55 Rating, Add	*114.82*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.46	245.03
		For Class 52 Rating, Deduct	*-80.87*	
		For Class 54 Rating, Add	*55.14*	
		For Class 55 Rating, Add	*122.56*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,155.91	247.05
		For Class 52 Rating, Deduct	*-85.98*	
		For Class 54 Rating, Add	*58.62*	
		For Class 55 Rating, Add	*130.29*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.35	249.04
		For Class 52 Rating, Deduct	*-91.08*	
		For Class 54 Rating, Add	*62.10*	
		For Class 55 Rating, Add	*138.03*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,254.80	251.06
		For Class 52 Rating, Deduct	*-96.18*	
		For Class 54 Rating, Add	*65.58*	
		For Class 55 Rating, Add	*145.76*	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,304.24	253.07
		For Class 52 Rating, Deduct	*-101.29*	
		For Class 54 Rating, Add	*69.06*	
		For Class 55 Rating, Add	*153.50*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.68	255.08
		For Class 52 Rating, Deduct	*-106.39*	
		For Class 54 Rating, Add	*72.54*	
		For Class 55 Rating, Add	*161.23*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,403.12	257.08
		For Class 52 Rating, Deduct	*-111.50*	
		For Class 54 Rating, Add	*76.02*	
		For Class 55 Rating, Add	*168.97*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.57	259.09
		For Class 52 Rating, Deduct	*-116.60*	
		For Class 54 Rating, Add	*79.50*	
		For Class 55 Rating, Add	*176.70*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.01	261.11
		For Class 52 Rating, Deduct	*-121.70*	
		For Class 54 Rating, Add	*82.98*	
		For Class 55 Rating, Add	*184.44*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,551.45	263.10
		For Class 52 Rating, Deduct	*-126.81*	
		For Class 54 Rating, Add	*86.46*	
		For Class 55 Rating, Add	*192.17*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.89	265.12
		For Class 52 Rating, Deduct	*-131.91*	
		For Class 54 Rating, Add	*89.94*	
		For Class 55 Rating, Add	*199.91*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,650.34	267.13
		For Class 52 Rating, Deduct	*-137.02*	
		For Class 54 Rating, Add	*93.42*	
		For Class 55 Rating, Add	*207.64*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,699.78	269.13
		For Class 52 Rating, Deduct	*-142.12*	
		For Class 54 Rating, Add	*96.90*	
		For Class 55 Rating, Add	*215.38*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,749.22	271.14
		For Class 52 Rating, Deduct	*-147.22*	
		For Class 54 Rating, Add	*100.38*	
		For Class 55 Rating, Add	*223.11*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.66	273.15
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,848.11	275.17
		For Class 52 Rating, Deduct	*-157.43*	
		For Class 54 Rating, Add	*107.34*	
		For Class 55 Rating, Add	*238.58*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.56	277.17
		For Class 52 Rating, Deduct	*-162.54*	
		For Class 54 Rating, Add	*110.82*	
		For Class 55 Rating, Add	*246.32*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.00	279.17
		For Class 52 Rating, Deduct	*-167.64*	
		For Class 54 Rating, Add	*114.30*	
		For Class 55 Rating, Add	*254.05*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,996.44	281.19
		For Class 52 Rating, Deduct	*-172.74*	
		For Class 54 Rating, Add	*117.78*	
		For Class 55 Rating, Add	*261.79*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,045.88	283.20
		For Class 52 Rating, Deduct	*-177.85*	
		For Class 54 Rating, Add	*121.26*	
		For Class 55 Rating, Add	*269.52*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,095.33	285.20
		For Class 52 Rating, Deduct	*-182.95*	
		For Class 54 Rating, Add	*124.74*	
		For Class 55 Rating, Add	*277.26*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.77	287.21
		For Class 52 Rating, Deduct	*-188.06*	
		For Class 54 Rating, Add	*128.22*	
		For Class 55 Rating, Add	*284.99*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.21	289.22
		For Class 52 Rating, Deduct	*-193.16*	
		For Class 54 Rating, Add	*131.70*	
		For Class 55 Rating, Add	*292.73*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.65	291.23
		For Class 52 Rating, Deduct	*-198.26*	
		For Class 54 Rating, Add	*135.18*	
		For Class 55 Rating, Add	*300.46*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.10	293.23
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*138.66*	
		For Class 55 Rating, Add	*308.19*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.54	295.25
		For Class 52 Rating, Deduct	*-208.47*	
		For Class 54 Rating, Add	*142.14*	
		For Class 55 Rating, Add	*315.93*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.98	297.26
		For Class 52 Rating, Deduct	*-213.58*	
		For Class 54 Rating, Add	*145.62*	
		For Class 55 Rating, Add	*323.66*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,441.42	299.25
		For Class 52 Rating, Deduct	*-218.68*	
		For Class 54 Rating, Add	*149.10*	
		For Class 55 Rating, Add	*331.40*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.87	301.27
		For Class 52 Rating, Deduct	*-223.78*	
		For Class 54 Rating, Add	*152.58*	
		For Class 55 Rating, Add	*339.13*	
40 05 19 00-1189		12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	787.64	281.19
		For Class 52 Rating, Deduct	*-39.78*	
		For Class 54 Rating, Add	*27.12*	
		For Class 55 Rating, Add	*60.28*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	849.08	283.20
		For Class 52 Rating, Deduct	*-46.20*	
		For Class 54 Rating, Add	*31.50*	
		For Class 55 Rating, Add	*70.01*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	910.53	285.20
		For Class 52 Rating, Deduct	*-52.62*	
		For Class 54 Rating, Add	*35.88*	
		For Class 55 Rating, Add	*79.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.97	287.21
		For Class 52 Rating, Deduct	*-59.05*	
		For Class 54 Rating, Add	*40.26*	
		For Class 55 Rating, Add	*89.48*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,033.41	289.22
		For Class 52 Rating, Deduct	*-65.47*	
		For Class 54 Rating, Add	*44.64*	
		For Class 55 Rating, Add	*99.22*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,094.85	291.23
		For Class 52 Rating, Deduct	*-71.90*	
		For Class 54 Rating, Add	*49.02*	
		For Class 55 Rating, Add	*108.96*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.30	293.23
		For Class 52 Rating, Deduct	*-78.32*	
		For Class 54 Rating, Add	*53.40*	
		For Class 55 Rating, Add	*118.69*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.74	295.25
		For Class 52 Rating, Deduct	*-84.74*	
		For Class 54 Rating, Add	*57.78*	
		For Class 55 Rating, Add	*128.43*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,279.18	297.26
		For Class 52 Rating, Deduct	*-91.17*	
		For Class 54 Rating, Add	*62.16*	
		For Class 55 Rating, Add	*138.16*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.62	299.25
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.07	301.27
		For Class 52 Rating, Deduct	*-104.02*	
		For Class 54 Rating, Add	*70.92*	
		For Class 55 Rating, Add	*157.63*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.51	303.28
		For Class 52 Rating, Deduct	*-110.44*	
		For Class 54 Rating, Add	*75.30*	
		For Class 55 Rating, Add	*167.37*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,524.96	305.29
		For Class 52 Rating, Deduct	*-116.86*	
		For Class 54 Rating, Add	*79.68*	
		For Class 55 Rating, Add	*177.10*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,586.40	307.29
		For Class 52 Rating, Deduct	*-123.29*	
		For Class 54 Rating, Add	*84.06*	
		For Class 55 Rating, Add	*186.84*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.85	309.30
		For Class 52 Rating, Deduct	*-129.71*	
		For Class 54 Rating, Add	*88.44*	
		For Class 55 Rating, Add	*196.57*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.29	311.32
		For Class 52 Rating, Deduct	*-136.14*	
		For Class 54 Rating, Add	*92.82*	
		For Class 55 Rating, Add	*206.31*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.73	313.32
		For Class 52 Rating, Deduct	*-142.56*	
		For Class 54 Rating, Add	*97.20*	
		For Class 55 Rating, Add	*216.04*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.17	315.33
		For Class 52 Rating, Deduct	*-148.98*	
		For Class 54 Rating, Add	*101.58*	
		For Class 55 Rating, Add	*225.78*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.62	317.34
		For Class 52 Rating, Deduct	*-155.41*	
		For Class 54 Rating, Add	*105.96*	
		For Class 55 Rating, Add	*235.51*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.06	319.35
		For Class 52 Rating, Deduct	*-161.83*	
		For Class 54 Rating, Add	*110.34*	
		For Class 55 Rating, Add	*245.25*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.50	321.35
		For Class 52 Rating, Deduct	*-168.26*	
		For Class 54 Rating, Add	*114.72*	
		For Class 55 Rating, Add	*254.98*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.94	323.36
		For Class 52 Rating, Deduct	*-174.68*	
		For Class 54 Rating, Add	*119.10*	
		For Class 55 Rating, Add	*264.72*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.39	325.38
		For Class 52 Rating, Deduct	*-181.10*	
		For Class 54 Rating, Add	*123.48*	
		For Class 55 Rating, Add	*274.45*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,200.83	327.38
		For Class 52 Rating, Deduct	*-187.53*	
		For Class 54 Rating, Add	*127.86*	
		For Class 55 Rating, Add	*284.19*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,262.27	329.39
		For Class 52 Rating, Deduct	*-193.95*	
		For Class 54 Rating, Add	*132.24*	
		For Class 55 Rating, Add	*293.93*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,323.71	331.40
		For Class 52 Rating, Deduct	*-200.38*	
		For Class 54 Rating, Add	*136.62*	
		For Class 55 Rating, Add	*303.66*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.17	333.41
		For Class 52 Rating, Deduct	*-206.80*	
		For Class 54 Rating, Add	*141.00*	
		For Class 55 Rating, Add	*313.40*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,446.61	335.41
		For Class 52 Rating, Deduct	*-213.22*	
		For Class 54 Rating, Add	*145.38*	
		For Class 55 Rating, Add	*323.13*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.05	337.42
		For Class 52 Rating, Deduct	*-219.65*	
		For Class 54 Rating, Add	*149.76*	
		For Class 55 Rating, Add	*332.87*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,569.49	339.44
		For Class 52 Rating, Deduct	*-226.07*	
		For Class 54 Rating, Add	*154.14*	
		For Class 55 Rating, Add	*342.60*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,630.94	341.44
		For Class 52 Rating, Deduct	*-232.50*	
		For Class 54 Rating, Add	*158.52*	
		For Class 55 Rating, Add	*352.34*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,692.38	343.44
		For Class 52 Rating, Deduct	*-238.92*	
		For Class 54 Rating, Add	*162.90*	
		For Class 55 Rating, Add	*362.07*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.82	345.46
		For Class 52 Rating, Deduct	*-245.34*	
		For Class 54 Rating, Add	*167.28*	
		For Class 55 Rating, Add	*371.81*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.26	347.47
		For Class 52 Rating, Deduct	*-251.77*	
		For Class 54 Rating, Add	*171.66*	
		For Class 55 Rating, Add	*381.54*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.71	349.48
		For Class 52 Rating, Deduct	*-258.19*	
		For Class 54 Rating, Add	*176.04*	
		For Class 55 Rating, Add	*391.28*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,938.15	351.48
		For Class 52 Rating, Deduct	*-264.62*	
		For Class 54 Rating, Add	*180.42*	
		For Class 55 Rating, Add	*401.01*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.59	353.49
		For Class 52 Rating, Deduct	*-271.04*	
		For Class 54 Rating, Add	*184.80*	
		For Class 55 Rating, Add	*410.75*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,061.03	355.50
		For Class 52 Rating, Deduct	*-277.46*	
		For Class 54 Rating, Add	*189.18*	
		For Class 55 Rating, Add	*420.48*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.48	357.50
		For Class 52 Rating, Deduct	*-283.89*	
		For Class 54 Rating, Add	*193.56*	
		For Class 55 Rating, Add	*430.22*	
40 05 19 00-1229		14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,027.25	337.42
		For Class 52 Rating, Deduct	*-56.76*	
		For Class 54 Rating, Add	*38.70*	
		For Class 55 Rating, Add	*86.02*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.49	339.44
		For Class 52 Rating, Deduct	*-64.59*	
		For Class 54 Rating, Add	*44.04*	
		For Class 55 Rating, Add	*97.89*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,175.74	341.44
		For Class 52 Rating, Deduct	*-72.42*	
		For Class 54 Rating, Add	*49.38*	
		For Class 55 Rating, Add	*109.76*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.98	343.44
		For Class 52 Rating, Deduct	*-80.26*	
		For Class 54 Rating, Add	*54.72*	
		For Class 55 Rating, Add	*121.62*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.22	345.46
		For Class 52 Rating, Deduct	*-88.09*	
		For Class 54 Rating, Add	*60.06*	
		For Class 55 Rating, Add	*133.49*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,398.46	347.47
		For Class 52 Rating, Deduct	*-95.92*	
		For Class 54 Rating, Add	*65.40*	
		For Class 55 Rating, Add	*145.36*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,472.71	349.48
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,546.95	351.48
		For Class 52 Rating, Deduct	*-111.58*	
		For Class 54 Rating, Add	*76.08*	
		For Class 55 Rating, Add	*169.10*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.19	353.49
		For Class 52 Rating, Deduct	*-119.42*	
		For Class 54 Rating, Add	*81.42*	
		For Class 55 Rating, Add	*180.97*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.43	355.50
		For Class 52 Rating, Deduct	*-127.25*	
		For Class 54 Rating, Add	*86.76*	
		For Class 55 Rating, Add	*192.84*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.68	357.50
		For Class 52 Rating, Deduct	*-135.08*	
		For Class 54 Rating, Add	*92.10*	
		For Class 55 Rating, Add	*204.71*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.92	359.52
		For Class 52 Rating, Deduct	*-142.91*	
		For Class 54 Rating, Add	*97.44*	
		For Class 55 Rating, Add	*216.58*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,918.16	361.53
		For Class 52 Rating, Deduct	*-150.74*	
		For Class 54 Rating, Add	*102.78*	
		For Class 55 Rating, Add	*228.45*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.41	363.53
		For Class 52 Rating, Deduct	*-158.58*	
		For Class 54 Rating, Add	*108.12*	
		For Class 55 Rating, Add	*240.31*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.66	365.54
		For Class 52 Rating, Deduct	*-166.41*	
		For Class 54 Rating, Add	*113.46*	
		For Class 55 Rating, Add	*252.18*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.90	367.55
		For Class 52 Rating, Deduct	*-174.24*	
		For Class 54 Rating, Add	*118.80*	
		For Class 55 Rating, Add	*264.05*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,215.14	369.56
		For Class 52 Rating, Deduct	*-182.07*	
		For Class 54 Rating, Add	*124.14*	
		For Class 55 Rating, Add	*275.92*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.38	371.56
		For Class 52 Rating, Deduct	*-189.90*	
		For Class 54 Rating, Add	*129.48*	
		For Class 55 Rating, Add	*287.79*	
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.62	373.57
		For Class 52 Rating, Deduct	*-197.74*	
		For Class 54 Rating, Add	*134.82*	
		For Class 55 Rating, Add	*299.66*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,437.87	375.59
		For Class 52 Rating, Deduct	*-205.57*	
		For Class 54 Rating, Add	*140.16*	
		For Class 55 Rating, Add	*311.53*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,512.11	377.59
		For Class 52 Rating, Deduct	*-213.40*	
		For Class 54 Rating, Add	*145.50*	
		For Class 55 Rating, Add	*323.40*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,586.35	379.60
		For Class 52 Rating, Deduct	*-221.23*	
		For Class 54 Rating, Add	*150.84*	
		For Class 55 Rating, Add	*335.27*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,660.59	381.61
		For Class 52 Rating, Deduct	*-229.06*	
		For Class 54 Rating, Add	*156.18*	
		For Class 55 Rating, Add	*347.14*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.84	383.62
		For Class 52 Rating, Deduct	*-236.90*	
		For Class 54 Rating, Add	*161.52*	
		For Class 55 Rating, Add	*359.01*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.08	385.62
		For Class 52 Rating, Deduct	*-244.73*	
		For Class 54 Rating, Add	*166.86*	
		For Class 55 Rating, Add	*370.87*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,883.32	387.63
		For Class 52 Rating, Deduct	*-252.56*	
		For Class 54 Rating, Add	*172.20*	
		For Class 55 Rating, Add	*382.74*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,957.56	389.65
		For Class 52 Rating, Deduct	*-260.39*	
		For Class 54 Rating, Add	*177.54*	
		For Class 55 Rating, Add	*394.61*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.82	391.65
		For Class 52 Rating, Deduct	*-268.22*	
		For Class 54 Rating, Add	*182.88*	
		For Class 55 Rating, Add	*406.48*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.06	393.66
		For Class 52 Rating, Deduct	*-276.06*	
		For Class 54 Rating, Add	*188.22*	
		For Class 55 Rating, Add	*418.35*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.30	395.67
		For Class 52 Rating, Deduct	*-283.89*	
		For Class 54 Rating, Add	*193.56*	
		For Class 55 Rating, Add	*430.22*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.54	397.68
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,328.79	399.69
		For Class 52 Rating, Deduct	*-299.55*	
		For Class 54 Rating, Add	*204.24*	
		For Class 55 Rating, Add	*453.96*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.03	401.69
		For Class 52 Rating, Deduct	*-307.38*	
		For Class 54 Rating, Add	*209.58*	
		For Class 55 Rating, Add	*465.83*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,477.27	403.71
		For Class 52 Rating, Deduct	*-315.22*	
		For Class 54 Rating, Add	*214.92*	
		For Class 55 Rating, Add	*477.70*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,551.51	405.71
		For Class 52 Rating, Deduct	*-323.05*	
		For Class 54 Rating, Add	*220.26*	
		For Class 55 Rating, Add	*489.56*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,625.76	407.71
		For Class 52 Rating, Deduct	*-330.88*	
		For Class 54 Rating, Add	*225.60*	
		For Class 55 Rating, Add	*501.43*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,700.00	409.73
		For Class 52 Rating, Deduct	*-338.71*	
		For Class 54 Rating, Add	*230.94*	
		For Class 55 Rating, Add	*513.30*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,774.24	411.74
		For Class 52 Rating, Deduct	*-346.54*	
		For Class 54 Rating, Add	*236.28*	
		For Class 55 Rating, Add	*525.17*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.68	385.62
		For Class 52 Rating, Deduct	*-67.14*	
		For Class 54 Rating, Add	*45.78*	
		For Class 55 Rating, Add	*101.75*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.92	387.63
		For Class 52 Rating, Deduct	*-76.30*	
		For Class 54 Rating, Add	*52.02*	
		For Class 55 Rating, Add	*115.62*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,367.16	389.65
		For Class 52 Rating, Deduct	*-85.45*	
		For Class 54 Rating, Add	*58.26*	
		For Class 55 Rating, Add	*129.49*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,453.42	391.65
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.66	393.66
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.90	395.67
		For Class 52 Rating, Deduct	*-112.90*	
		For Class 54 Rating, Add	*76.98*	
		For Class 55 Rating, Add	*171.10*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.14	397.68
		For Class 52 Rating, Deduct	*-122.06*	
		For Class 54 Rating, Add	*83.22*	
		For Class 55 Rating, Add	*184.97*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.39	399.69
		For Class 52 Rating, Deduct	*-131.21*	
		For Class 54 Rating, Add	*89.46*	
		For Class 55 Rating, Add	*198.84*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.63	401.69
		For Class 52 Rating, Deduct	*-140.36*	
		For Class 54 Rating, Add	*95.70*	
		For Class 55 Rating, Add	*212.71*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.87	403.71
		For Class 52 Rating, Deduct	*-149.51*	
		For Class 54 Rating, Add	*101.94*	
		For Class 55 Rating, Add	*226.58*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.11	405.71
		For Class 52 Rating, Deduct	*-158.66*	
		For Class 54 Rating, Add	*108.18*	
		For Class 55 Rating, Add	*240.45*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,143.36	407.71
		For Class 52 Rating, Deduct	*-167.82*	
		For Class 54 Rating, Add	*114.42*	
		For Class 55 Rating, Add	*254.32*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,229.60	409.73
		For Class 52 Rating, Deduct	*-176.97*	
		For Class 54 Rating, Add	*120.66*	
		For Class 55 Rating, Add	*268.19*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.84	411.74
		For Class 52 Rating, Deduct	*-186.12*	
		For Class 54 Rating, Add	*126.90*	
		For Class 55 Rating, Add	*282.06*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.08	413.75
		For Class 52 Rating, Deduct	*-195.27*	
		For Class 54 Rating, Add	*133.14*	
		For Class 55 Rating, Add	*295.93*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,488.33	415.75
		For Class 52 Rating, Deduct	*-204.42*	
		For Class 54 Rating, Add	*139.38*	
		For Class 55 Rating, Add	*309.80*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,574.57	417.76
		For Class 52 Rating, Deduct	*-213.58*	
		For Class 54 Rating, Add	*145.62*	
		For Class 55 Rating, Add	*323.66*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,660.81	419.77
		For Class 52 Rating, Deduct	*-222.73*	
		For Class 54 Rating, Add	*151.86*	
		For Class 55 Rating, Add	*337.53*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,747.06	421.77
		For Class 52 Rating, Deduct	*-231.88*	
		For Class 54 Rating, Add	*158.10*	
		For Class 55 Rating, Add	*351.40*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,833.31	423.79
		For Class 52 Rating, Deduct	*-241.03*	
		For Class 54 Rating, Add	*164.34*	
		For Class 55 Rating, Add	*365.27*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.55	425.80
		For Class 52 Rating, Deduct	*-250.18*	
		For Class 54 Rating, Add	*170.58*	
		For Class 55 Rating, Add	*379.14*	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,005.79	427.80
		For Class 52 Rating, Deduct	*-259.34*	
		For Class 54 Rating, Add	*176.82*	
		For Class 55 Rating, Add	*393.01*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.03	429.81
		For Class 52 Rating, Deduct	*-268.49*	
		For Class 54 Rating, Add	*183.06*	
		For Class 55 Rating, Add	*406.88*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,178.28	431.82
		For Class 52 Rating, Deduct	*-277.64*	
		For Class 54 Rating, Add	*189.30*	
		For Class 55 Rating, Add	*420.75*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,264.52	433.84
		For Class 52 Rating, Deduct	*-286.79*	
		For Class 54 Rating, Add	*195.54*	
		For Class 55 Rating, Add	*434.62*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.76	435.84
		For Class 52 Rating, Deduct	*-295.94*	
		For Class 54 Rating, Add	*201.78*	
		For Class 55 Rating, Add	*448.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,437.00	437.84
		For Class 52 Rating, Deduct	*-305.10*	
		For Class 54 Rating, Add	*208.02*	
		For Class 55 Rating, Add	*462.36*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.25	439.86
		For Class 52 Rating, Deduct	*-314.25*	
		For Class 54 Rating, Add	*214.26*	
		For Class 55 Rating, Add	*476.23*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,609.49	441.86
		For Class 52 Rating, Deduct	*-323.40*	
		For Class 54 Rating, Add	*220.50*	
		For Class 55 Rating, Add	*490.10*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,695.73	443.87
		For Class 52 Rating, Deduct	*-332.55*	
		For Class 54 Rating, Add	*226.74*	
		For Class 55 Rating, Add	*503.97*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,781.97	445.88
		For Class 52 Rating, Deduct	*-341.70*	
		For Class 54 Rating, Add	*232.98*	
		For Class 55 Rating, Add	*517.84*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,868.22	447.89
		For Class 52 Rating, Deduct	*-350.86*	
		For Class 54 Rating, Add	*239.22*	
		For Class 55 Rating, Add	*531.71*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,954.47	449.90
		For Class 52 Rating, Deduct	*-360.01*	
		For Class 54 Rating, Add	*245.46*	
		For Class 55 Rating, Add	*545.58*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,040.71	451.90
		For Class 52 Rating, Deduct	*-369.16*	
		For Class 54 Rating, Add	*251.70*	
		For Class 55 Rating, Add	*559.45*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,126.95	453.92
		For Class 52 Rating, Deduct	*-378.31*	
		For Class 54 Rating, Add	*257.94*	
		For Class 55 Rating, Add	*573.31*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,213.20	455.92
		For Class 52 Rating, Deduct	*-387.46*	
		For Class 54 Rating, Add	*264.18*	
		For Class 55 Rating, Add	*587.18*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.44	457.93
		For Class 52 Rating, Deduct	*-396.62*	
		For Class 54 Rating, Add	*270.42*	
		For Class 55 Rating, Add	*601.05*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,385.68	459.94
		For Class 52 Rating, Deduct	*-405.77*	
		For Class 54 Rating, Add	*276.66*	
		For Class 55 Rating, Add	*614.92*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.53	434.63
		For Class 52 Rating, Deduct	*-78.76*	
		For Class 54 Rating, Add	*53.70*	
		For Class 55 Rating, Add	*119.36*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,473.58	436.65
		For Class 52 Rating, Deduct	*-89.32*	
		For Class 54 Rating, Add	*60.90*	
		For Class 55 Rating, Add	*135.36*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.62	438.65
		For Class 52 Rating, Deduct	*-99.88*	
		For Class 54 Rating, Add	*68.10*	
		For Class 55 Rating, Add	*151.36*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.67	440.66
		For Class 52 Rating, Deduct	*-110.44*	
		For Class 54 Rating, Add	*75.30*	
		For Class 55 Rating, Add	*167.37*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.71	442.67
		For Class 52 Rating, Deduct	*-121.00*	
		For Class 54 Rating, Add	*82.50*	
		For Class 55 Rating, Add	*183.37*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.76	444.67
		For Class 52 Rating, Deduct	*-131.56*	
		For Class 54 Rating, Add	*89.70*	
		For Class 55 Rating, Add	*199.37*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,968.80	446.68
		For Class 52 Rating, Deduct	*-142.12*	
		For Class 54 Rating, Add	*96.90*	
		For Class 55 Rating, Add	*215.38*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.84	448.69
		For Class 52 Rating, Deduct	*-152.68*	
		For Class 54 Rating, Add	*104.10*	
		For Class 55 Rating, Add	*231.38*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,166.88	450.71
		For Class 52 Rating, Deduct	*-163.24*	
		For Class 54 Rating, Add	*111.30*	
		For Class 55 Rating, Add	*247.38*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,265.93	452.71
		For Class 52 Rating, Deduct	*-173.80*	
		For Class 54 Rating, Add	*118.50*	
		For Class 55 Rating, Add	*263.39*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,364.97	454.71
		For Class 52 Rating, Deduct	*-184.36*	
		For Class 54 Rating, Add	*125.70*	
		For Class 55 Rating, Add	*279.39*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.01	456.73
		For Class 52 Rating, Deduct	*-194.92*	
		For Class 54 Rating, Add	*132.90*	
		For Class 55 Rating, Add	*295.39*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.05	458.73
		For Class 52 Rating, Deduct	*-205.48*	
		For Class 54 Rating, Add	*140.10*	
		For Class 55 Rating, Add	*311.40*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,662.10	460.74
		For Class 52 Rating, Deduct	*-216.04*	
		For Class 54 Rating, Add	*147.30*	
		For Class 55 Rating, Add	*327.40*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,761.14	462.75
		For Class 52 Rating, Deduct	*-226.60*	
		For Class 54 Rating, Add	*154.50*	
		For Class 55 Rating, Add	*343.40*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.18	464.76
		For Class 52 Rating, Deduct	*-237.16*	
		For Class 54 Rating, Add	*161.70*	
		For Class 55 Rating, Add	*359.41*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.22	466.77
		For Class 52 Rating, Deduct	*-247.72*	
		For Class 54 Rating, Add	*168.90*	
		For Class 55 Rating, Add	*375.41*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.27	468.77
		For Class 52 Rating, Deduct	*-258.28*	
		For Class 54 Rating, Add	*176.10*	
		For Class 55 Rating, Add	*391.41*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,157.32	470.79
		For Class 52 Rating, Deduct	*-268.84*	
		For Class 54 Rating, Add	*183.30*	
		For Class 55 Rating, Add	*407.41*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.36	472.79
		For Class 52 Rating, Deduct	*-279.40*	
		For Class 54 Rating, Add	*190.50*	
		For Class 55 Rating, Add	*423.42*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,355.40	474.81
		For Class 52 Rating, Deduct	*-289.96*	
		For Class 54 Rating, Add	*197.70*	
		For Class 55 Rating, Add	*439.42*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.44	476.81
		For Class 52 Rating, Deduct	*-300.52*	
		For Class 54 Rating, Add	*204.90*	
		For Class 55 Rating, Add	*455.42*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,553.49	478.82
		For Class 52 Rating, Deduct	*-311.08*	
		For Class 54 Rating, Add	*212.10*	
		For Class 55 Rating, Add	*471.43*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,652.53	480.83
		For Class 52 Rating, Deduct	*-321.64*	
		For Class 54 Rating, Add	*219.30*	
		For Class 55 Rating, Add	*487.43*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.57	482.83
		For Class 52 Rating, Deduct	*-332.20*	
		For Class 54 Rating, Add	*226.50*	
		For Class 55 Rating, Add	*503.43*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,850.61	484.85
		For Class 52 Rating, Deduct	*-342.76*	
		For Class 54 Rating, Add	*233.70*	
		For Class 55 Rating, Add	*519.44*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,949.66	486.86
		For Class 52 Rating, Deduct	*-353.32*	
		For Class 54 Rating, Add	*240.90*	
		For Class 55 Rating, Add	*535.44*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,048.70	488.86
		For Class 52 Rating, Deduct	*-363.88*	
		For Class 54 Rating, Add	*248.10*	
		For Class 55 Rating, Add	*551.44*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,147.74	490.87
		For Class 52 Rating, Deduct	*-374.44*	
		For Class 54 Rating, Add	*255.30*	
		For Class 55 Rating, Add	*567.45*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,246.78	492.88
		For Class 52 Rating, Deduct	*-385.00*	
		For Class 54 Rating, Add	*262.50*	
		For Class 55 Rating, Add	*583.45*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.83	494.89
		For Class 52 Rating, Deduct	*-395.56*	
		For Class 54 Rating, Add	*269.70*	
		For Class 55 Rating, Add	*599.45*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.87	496.89
		For Class 52 Rating, Deduct	*-406.12*	
		For Class 54 Rating, Add	*276.90*	
		For Class 55 Rating, Add	*615.46*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,543.92	498.90
		For Class 52 Rating, Deduct	*-416.68*	
		For Class 54 Rating, Add	*284.10*	
		For Class 55 Rating, Add	*631.46*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,642.96	500.92
		For Class 52 Rating, Deduct	*-427.24*	
		For Class 54 Rating, Add	*291.30*	
		For Class 55 Rating, Add	*647.46*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,742.01	502.92
		For Class 52 Rating, Deduct	*-437.80*	
		For Class 54 Rating, Add	*298.50*	
		For Class 55 Rating, Add	*663.47*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,841.05	504.93
		For Class 52 Rating, Deduct	*-448.36*	
		For Class 54 Rating, Add	*305.70*	
		For Class 55 Rating, Add	*679.47*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,940.09	506.94
		For Class 52 Rating, Deduct	*-458.92*	
		For Class 54 Rating, Add	*312.90*	
		For Class 55 Rating, Add	*695.47*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.13	508.94
		For Class 52 Rating, Deduct	*-469.48*	
		For Class 54 Rating, Add	*320.10*	
		For Class 55 Rating, Add	*711.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.85	496.09
		For Class 52 Rating, Deduct	*-92.75*	
		For Class 54 Rating, Add	*63.24*	
		For Class 55 Rating, Add	*140.56*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,708.30	498.11
		For Class 52 Rating, Deduct	*-104.90*	
		For Class 54 Rating, Add	*71.52*	
		For Class 55 Rating, Add	*158.97*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,821.74	500.11
		For Class 52 Rating, Deduct	*-117.04*	
		For Class 54 Rating, Add	*79.80*	
		For Class 55 Rating, Add	*177.37*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,935.18	502.11
		For Class 52 Rating, Deduct	*-129.18*	
		For Class 54 Rating, Add	*88.08*	
		For Class 55 Rating, Add	*195.77*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.62	504.13
		For Class 52 Rating, Deduct	*-141.33*	
		For Class 54 Rating, Add	*96.36*	
		For Class 55 Rating, Add	*214.18*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,162.07	506.13
		For Class 52 Rating, Deduct	*-153.47*	
		For Class 54 Rating, Add	*104.64*	
		For Class 55 Rating, Add	*232.58*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.52	508.15
		For Class 52 Rating, Deduct	*-165.62*	
		For Class 54 Rating, Add	*112.92*	
		For Class 55 Rating, Add	*250.98*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,388.96	510.15
		For Class 52 Rating, Deduct	*-177.76*	
		For Class 54 Rating, Add	*121.20*	
		For Class 55 Rating, Add	*269.39*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,502.40	512.16
		For Class 52 Rating, Deduct	*-189.90*	
		For Class 54 Rating, Add	*129.48*	
		For Class 55 Rating, Add	*287.79*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,615.85	514.17
		For Class 52 Rating, Deduct	*-202.05*	
		For Class 54 Rating, Add	*137.76*	
		For Class 55 Rating, Add	*306.19*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.29	516.17
		For Class 52 Rating, Deduct	*-214.19*	
		For Class 54 Rating, Add	*146.04*	
		For Class 55 Rating, Add	*324.60*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,842.73	518.19
		For Class 52 Rating, Deduct	*-226.34*	
		For Class 54 Rating, Add	*154.32*	
		For Class 55 Rating, Add	*343.00*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.17	520.19
		For Class 52 Rating, Deduct	*-238.48*	
		For Class 54 Rating, Add	*162.60*	
		For Class 55 Rating, Add	*361.41*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.62	522.21
		For Class 52 Rating, Deduct	*-250.62*	
		For Class 54 Rating, Add	*170.88*	
		For Class 55 Rating, Add	*379.81*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,183.06	524.21
		For Class 52 Rating, Deduct	*-262.77*	
		For Class 54 Rating, Add	*179.16*	
		For Class 55 Rating, Add	*398.21*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,296.50	526.22
		For Class 52 Rating, Deduct	*-274.91*	
		For Class 54 Rating, Add	*187.44*	
		For Class 55 Rating, Add	*416.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,409.94	528.23
		For Class 52 Rating, Deduct	*-287.06*	
		For Class 54 Rating, Add	*195.72*	
		For Class 55 Rating, Add	*435.02*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.39	530.23
		For Class 52 Rating, Deduct	*-299.20*	
		For Class 54 Rating, Add	*204.00*	
		For Class 55 Rating, Add	*453.42*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,636.83	532.24
		For Class 52 Rating, Deduct	*-311.34*	
		For Class 54 Rating, Add	*212.28*	
		For Class 55 Rating, Add	*471.83*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,750.27	534.26
		For Class 52 Rating, Deduct	*-323.49*	
		For Class 54 Rating, Add	*220.56*	
		For Class 55 Rating, Add	*490.23*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.71	536.26
		For Class 52 Rating, Deduct	*-335.63*	
		For Class 54 Rating, Add	*228.84*	
		For Class 55 Rating, Add	*508.64*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,977.17	538.27
		For Class 52 Rating, Deduct	*-347.78*	
		For Class 54 Rating, Add	*237.12*	
		For Class 55 Rating, Add	*527.04*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,090.61	540.28
		For Class 52 Rating, Deduct	*-359.92*	
		For Class 54 Rating, Add	*245.40*	
		For Class 55 Rating, Add	*545.44*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,204.05	542.29
		For Class 52 Rating, Deduct	*-372.06*	
		For Class 54 Rating, Add	*253.68*	
		For Class 55 Rating, Add	*563.85*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,317.49	544.30
		For Class 52 Rating, Deduct	*-384.21*	
		For Class 54 Rating, Add	*261.96*	
		For Class 55 Rating, Add	*582.25*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,430.94	546.30
		For Class 52 Rating, Deduct	*-396.35*	
		For Class 54 Rating, Add	*270.24*	
		For Class 55 Rating, Add	*600.65*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,544.38	548.32
		For Class 52 Rating, Deduct	*-408.50*	
		For Class 54 Rating, Add	*278.52*	
		For Class 55 Rating, Add	*619.06*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,657.82	550.32
		For Class 52 Rating, Deduct	*-420.64*	
		For Class 54 Rating, Add	*286.80*	
		For Class 55 Rating, Add	*637.46*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,771.26	552.33
		For Class 52 Rating, Deduct	*-432.78*	
		For Class 54 Rating, Add	*295.08*	
		For Class 55 Rating, Add	*655.86*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,884.71	554.34
		For Class 52 Rating, Deduct	*-444.93*	
		For Class 54 Rating, Add	*303.36*	
		For Class 55 Rating, Add	*674.27*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,998.15	556.34
		For Class 52 Rating, Deduct	*-457.07*	
		For Class 54 Rating, Add	*311.64*	
		For Class 55 Rating, Add	*692.67*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,111.59	558.36
		For Class 52 Rating, Deduct	*-469.22*	
		For Class 54 Rating, Add	*319.92*	
		For Class 55 Rating, Add	*711.08*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,225.03	560.36
		For Class 52 Rating, Deduct	*-481.36*	
		For Class 54 Rating, Add	*328.20*	
		For Class 55 Rating, Add	*729.48*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.47	562.38
		For Class 52 Rating, Deduct	*-493.50*	
		For Class 54 Rating, Add	*336.48*	
		For Class 55 Rating, Add	*747.88*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,451.92	564.38
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*344.76*	
		For Class 55 Rating, Add	*766.29*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,565.37	566.38
		For Class 52 Rating, Deduct	*-517.79*	
		For Class 54 Rating, Add	*353.04*	
		For Class 55 Rating, Add	*784.69*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,678.81	568.40
		For Class 52 Rating, Deduct	*-529.94*	
		For Class 54 Rating, Add	*361.32*	
		For Class 55 Rating, Add	*803.09*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,792.25	570.40
		For Class 52 Rating, Deduct	*-542.08*	
		For Class 54 Rating, Add	*369.60*	
		For Class 55 Rating, Add	*821.50*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.39	586.47
		For Class 52 Rating, Deduct	*-115.81*	
		For Class 54 Rating, Add	*78.96*	
		For Class 55 Rating, Add	*175.50*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.24	588.48
		For Class 52 Rating, Deduct	*-130.86*	
		For Class 54 Rating, Add	*89.22*	
		For Class 55 Rating, Add	*198.31*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,221.08	590.49
		For Class 52 Rating, Deduct	*-145.90*	
		For Class 54 Rating, Add	*99.48*	
		For Class 55 Rating, Add	*221.11*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,360.92	592.50
		For Class 52 Rating, Deduct	*-160.95*	
		For Class 54 Rating, Add	*109.74*	
		For Class 55 Rating, Add	*243.92*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.76	594.51
		For Class 52 Rating, Deduct	*-176.00*	
		For Class 54 Rating, Add	*120.00*	
		For Class 55 Rating, Add	*266.72*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.62	596.51
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*130.26*	
		For Class 55 Rating, Add	*289.52*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.46	598.53
		For Class 52 Rating, Deduct	*-206.10*	
		For Class 54 Rating, Add	*140.52*	
		For Class 55 Rating, Add	*312.33*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.30	600.53
		For Class 52 Rating, Deduct	*-221.14*	
		For Class 54 Rating, Add	*150.78*	
		For Class 55 Rating, Add	*335.13*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.14	602.54
		For Class 52 Rating, Deduct	*-236.19*	
		For Class 54 Rating, Add	*161.04*	
		For Class 55 Rating, Add	*357.94*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,199.99	604.55
		For Class 52 Rating, Deduct	*-251.24*	
		For Class 54 Rating, Add	*171.30*	
		For Class 55 Rating, Add	*380.74*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.83	606.56
		For Class 52 Rating, Deduct	*-266.29*	
		For Class 54 Rating, Add	*181.56*	
		For Class 55 Rating, Add	*403.55*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.67	608.57
		For Class 52 Rating, Deduct	*-281.34*	
		For Class 54 Rating, Add	*191.82*	
		For Class 55 Rating, Add	*426.35*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,619.51	610.57
		For Class 52 Rating, Deduct	*-296.38*	
		For Class 54 Rating, Add	*202.08*	
		For Class 55 Rating, Add	*449.16*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.36	612.59
		For Class 52 Rating, Deduct	*-311.43*	
		For Class 54 Rating, Add	*212.34*	
		For Class 55 Rating, Add	*471.96*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,899.20	614.59
		For Class 52 Rating, Deduct	*-326.48*	
		For Class 54 Rating, Add	*222.60*	
		For Class 55 Rating, Add	*494.77*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,039.04	616.60
		For Class 52 Rating, Deduct	*-341.53*	
		For Class 54 Rating, Add	*232.86*	
		For Class 55 Rating, Add	*517.57*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.88	618.61
		For Class 52 Rating, Deduct	*-356.58*	
		For Class 54 Rating, Add	*243.12*	
		For Class 55 Rating, Add	*540.37*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,318.73	620.61
		For Class 52 Rating, Deduct	*-371.62*	
		For Class 54 Rating, Add	*253.38*	
		For Class 55 Rating, Add	*563.18*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,458.57	622.63
		For Class 52 Rating, Deduct	*-386.67*	
		For Class 54 Rating, Add	*263.64*	
		For Class 55 Rating, Add	*585.98*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,598.42	624.63
		For Class 52 Rating, Deduct	*-401.72*	
		For Class 54 Rating, Add	*273.90*	
		For Class 55 Rating, Add	*608.79*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,738.26	626.65
		For Class 52 Rating, Deduct	*-416.77*	
		For Class 54 Rating, Add	*284.16*	
		For Class 55 Rating, Add	*631.59*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,878.11	628.65
		For Class 52 Rating, Deduct	*-431.82*	
		For Class 54 Rating, Add	*294.42*	
		For Class 55 Rating, Add	*654.40*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,017.95	630.66
		For Class 52 Rating, Deduct	*-446.86*	
		For Class 54 Rating, Add	*304.68*	
		For Class 55 Rating, Add	*677.20*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,157.79	632.67
		For Class 52 Rating, Deduct	*-461.91*	
		For Class 54 Rating, Add	*314.94*	
		For Class 55 Rating, Add	*700.01*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,297.63	634.68
		For Class 52 Rating, Deduct	*-476.96*	
		For Class 54 Rating, Add	*325.20*	
		For Class 55 Rating, Add	*722.81*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,437.48	636.69
		For Class 52 Rating, Deduct	*-492.01*	
		For Class 54 Rating, Add	*335.46*	
		For Class 55 Rating, Add	*745.62*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,577.32	638.69
		For Class 52 Rating, Deduct	*-507.06*	
		For Class 54 Rating, Add	*345.72*	
		For Class 55 Rating, Add	*768.42*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,717.16	640.70
		For Class 52 Rating, Deduct	*-522.10*	
		For Class 54 Rating, Add	*355.98*	
		For Class 55 Rating, Add	*791.22*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,857.00	642.71
		For Class 52 Rating, Deduct	*-537.15*	
		For Class 54 Rating, Add	*366.24*	
		For Class 55 Rating, Add	*814.03*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,048.58	678.86
		For Class 52 Rating, Deduct	*-552.20*	
		For Class 54 Rating, Add	*376.50*	
		For Class 55 Rating, Add	*836.83*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,188.42	680.88
		For Class 52 Rating, Deduct	*-567.25*	
		For Class 54 Rating, Add	*386.76*	
		For Class 55 Rating, Add	*859.64*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,328.27	682.88
		For Class 52 Rating, Deduct	*-582.30*	
		For Class 54 Rating, Add	*397.02*	
		For Class 55 Rating, Add	*882.44*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,468.11	684.89
		For Class 52 Rating, Deduct	*-597.34*	
		For Class 54 Rating, Add	*407.28*	
		For Class 55 Rating, Add	*905.25*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.96	686.90
		For Class 52 Rating, Deduct	*-612.39*	
		For Class 54 Rating, Add	*417.54*	
		For Class 55 Rating, Add	*928.05*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,747.80	688.90
		For Class 52 Rating, Deduct	*-627.44*	
		For Class 54 Rating, Add	*427.80*	
		For Class 55 Rating, Add	*950.86*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,887.64	690.92
		For Class 52 Rating, Deduct	*-642.49*	
		For Class 54 Rating, Add	*438.06*	
		For Class 55 Rating, Add	*973.66*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,027.48	692.92
		For Class 52 Rating, Deduct	*-657.54*	
		For Class 54 Rating, Add	*448.32*	
		For Class 55 Rating, Add	*996.47*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,167.33	694.93
		For Class 52 Rating, Deduct	*-672.58*	
		For Class 54 Rating, Add	*458.58*	
		For Class 55 Rating, Add	*1,019.27*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,917.78	827.49
		For Class 52 Rating, Deduct	*-183.04*	
		For Class 54 Rating, Add	*124.80*	
		For Class 55 Rating, Add	*277.39*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,118.42	829.50
		For Class 52 Rating, Deduct	*-204.78*	
		For Class 54 Rating, Add	*139.62*	
		For Class 55 Rating, Add	*310.33*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.06	831.51
		For Class 52 Rating, Deduct	*-226.51*	
		For Class 54 Rating, Add	*154.44*	
		For Class 55 Rating, Add	*343.27*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.71	833.51
		For Class 52 Rating, Deduct	*-248.25*	
		For Class 54 Rating, Add	*169.26*	
		For Class 55 Rating, Add	*376.21*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.35	835.53
		For Class 52 Rating, Deduct	*-269.98*	
		For Class 54 Rating, Add	*184.08*	
		For Class 55 Rating, Add	*409.15*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,920.99	837.53
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,121.63	839.55
		For Class 52 Rating, Deduct	*-313.46*	
		For Class 54 Rating, Add	*213.72*	
		For Class 55 Rating, Add	*475.03*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,322.27	841.55
		For Class 52 Rating, Deduct	*-335.19*	
		For Class 54 Rating, Add	*228.54*	
		For Class 55 Rating, Add	*507.97*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,522.92	843.55
		For Class 52 Rating, Deduct	*-356.93*	
		For Class 54 Rating, Add	*243.36*	
		For Class 55 Rating, Add	*540.91*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,723.56	845.57
		For Class 52 Rating, Deduct	*-378.66*	
		For Class 54 Rating, Add	*258.18*	
		For Class 55 Rating, Add	*573.85*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,924.20	847.57
		For Class 52 Rating, Deduct	*-400.40*	
		For Class 54 Rating, Add	*273.00*	
		For Class 55 Rating, Add	*606.79*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,124.84	849.59
		For Class 52 Rating, Deduct	*-422.14*	
		For Class 54 Rating, Add	*287.82*	
		For Class 55 Rating, Add	*639.73*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,325.49	851.59
		For Class 52 Rating, Deduct	*-443.87*	
		For Class 54 Rating, Add	*302.64*	
		For Class 55 Rating, Add	*672.67*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,526.13	853.60
		For Class 52 Rating, Deduct	*-465.61*	
		For Class 54 Rating, Add	*317.46*	
		For Class 55 Rating, Add	*705.61*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,726.78	855.61
		For Class 52 Rating, Deduct	*-487.34*	
		For Class 54 Rating, Add	*332.28*	
		For Class 55 Rating, Add	*738.55*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,927.42	857.61
		For Class 52 Rating, Deduct	*-509.08*	
		For Class 54 Rating, Add	*347.10*	
		For Class 55 Rating, Add	*771.49*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,128.07	859.63
		For Class 52 Rating, Deduct	*-530.82*	
		For Class 54 Rating, Add	*361.92*	
		For Class 55 Rating, Add	*804.43*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,328.71	861.64
		For Class 52 Rating, Deduct	*-552.55*	
		For Class 54 Rating, Add	*376.74*	
		For Class 55 Rating, Add	*837.37*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,529.35	863.64
		For Class 52 Rating, Deduct	*-574.29*	
		For Class 54 Rating, Add	*391.56*	
		For Class 55 Rating, Add	*870.31*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,729.99	865.65
		For Class 52 Rating, Deduct	*-596.02*	
		For Class 54 Rating, Add	*406.38*	
		For Class 55 Rating, Add	*903.25*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,930.64	867.66
		For Class 52 Rating, Deduct	*-617.76*	
		For Class 54 Rating, Add	*421.20*	
		For Class 55 Rating, Add	*936.19*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,131.28	869.67
		For Class 52 Rating, Deduct	*-639.50*	
		For Class 54 Rating, Add	*436.02*	
		For Class 55 Rating, Add	*969.13*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,331.92	871.67
		For Class 52 Rating, Deduct	*-661.23*	
		For Class 54 Rating, Add	*450.84*	
		For Class 55 Rating, Add	*1,002.07*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,532.56	873.69
		For Class 52 Rating, Deduct	*-682.97*	
		For Class 54 Rating, Add	*465.66*	
		For Class 55 Rating, Add	*1,035.01*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,733.21	875.70
		For Class 52 Rating, Deduct	*-704.70*	
		For Class 54 Rating, Add	*480.48*	
		For Class 55 Rating, Add	*1,067.95*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,933.85	877.70
		For Class 52 Rating, Deduct	*-726.44*	
		For Class 54 Rating, Add	*495.30*	
		For Class 55 Rating, Add	*1,100.89*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,134.49	879.71
		For Class 52 Rating, Deduct	*-748.18*	
		For Class 54 Rating, Add	*510.12*	
		For Class 55 Rating, Add	*1,133.83*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,335.13	881.72
		For Class 52 Rating, Deduct	*-769.91*	
		For Class 54 Rating, Add	*524.94*	
		For Class 55 Rating, Add	*1,166.77*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,535.78	883.72
		For Class 52 Rating, Deduct	*-791.65*	
		For Class 54 Rating, Add	*539.76*	
		For Class 55 Rating, Add	*1,199.71*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,736.43	885.74
		For Class 52 Rating, Deduct	*-813.38*	
		For Class 54 Rating, Add	*554.58*	
		For Class 55 Rating, Add	*1,232.65*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,937.07	887.74
		For Class 52 Rating, Deduct	*-835.12*	
		For Class 54 Rating, Add	*569.40*	
		For Class 55 Rating, Add	*1,265.59*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,137.71	889.76
		For Class 52 Rating, Deduct	*-856.86*	
		For Class 54 Rating, Add	*584.22*	
		For Class 55 Rating, Add	*1,298.53*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,338.36	891.76
		For Class 52 Rating, Deduct	*-878.59*	
		For Class 54 Rating, Add	*599.04*	
		For Class 55 Rating, Add	*1,331.47*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,539.00	893.77
		For Class 52 Rating, Deduct	*-900.33*	
		For Class 54 Rating, Add	*613.86*	
		For Class 55 Rating, Add	*1,364.41*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,739.64	895.78
		For Class 52 Rating, Deduct	*-922.06*	
		For Class 54 Rating, Add	*628.68*	
		For Class 55 Rating, Add	*1,397.35*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,940.28	897.78
		For Class 52 Rating, Deduct	*-943.80*	
		For Class 54 Rating, Add	*643.50*	
		For Class 55 Rating, Add	*1,430.29*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,140.93	899.80
		For Class 52 Rating, Deduct	*-965.54*	
		For Class 54 Rating, Add	*658.32*	
		For Class 55 Rating, Add	*1,463.23*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,341.57	901.80
		For Class 52 Rating, Deduct	*-987.27*	
		For Class 54 Rating, Add	*673.14*	
		For Class 55 Rating, Add	*1,496.17*	
40 05 19 00-1463		36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,958.12	1,048.43
		For Class 52 Rating, Deduct	*-260.66*	
		For Class 54 Rating, Add	*177.72*	
		For Class 55 Rating, Add	*395.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.96	1,050.43
		For Class 52 Rating, Deduct	*-290.22*	
		For Class 54 Rating, Add	*197.88*	
		For Class 55 Rating, Add	*439.82*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,501.80	1,052.44
		For Class 52 Rating, Deduct	*-319.79*	
		For Class 54 Rating, Add	*218.04*	
		For Class 55 Rating, Add	*484.63*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,773.64	1,054.45
		For Class 52 Rating, Deduct	*-349.36*	
		For Class 54 Rating, Add	*238.20*	
		For Class 55 Rating, Add	*529.44*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,045.49	1,056.45
		For Class 52 Rating, Deduct	*-378.93*	
		For Class 54 Rating, Add	*258.36*	
		For Class 55 Rating, Add	*574.25*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,317.33	1,058.46
		For Class 52 Rating, Deduct	*-408.50*	
		For Class 54 Rating, Add	*278.52*	
		For Class 55 Rating, Add	*619.06*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,589.18	1,060.47
		For Class 52 Rating, Deduct	*-438.06*	
		For Class 54 Rating, Add	*298.68*	
		For Class 55 Rating, Add	*663.87*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,861.02	1,062.49
		For Class 52 Rating, Deduct	*-467.63*	
		For Class 54 Rating, Add	*318.84*	
		For Class 55 Rating, Add	*708.68*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,132.87	1,064.49
		For Class 52 Rating, Deduct	*-497.20*	
		For Class 54 Rating, Add	*339.00*	
		For Class 55 Rating, Add	*753.48*	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,404.71	1,066.49
		For Class 52 Rating, Deduct	*-526.77*	
		For Class 54 Rating, Add	*359.16*	
		For Class 55 Rating, Add	*798.29*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,676.55	1,068.51
		For Class 52 Rating, Deduct	*-556.34*	
		For Class 54 Rating, Add	*379.32*	
		For Class 55 Rating, Add	*843.10*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,948.39	1,070.52
		For Class 52 Rating, Deduct	*-585.90*	
		For Class 54 Rating, Add	*399.48*	
		For Class 55 Rating, Add	*887.91*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,220.24	1,072.52
		For Class 52 Rating, Deduct	*-615.47*	
		For Class 54 Rating, Add	*419.64*	
		For Class 55 Rating, Add	*932.72*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,492.08	1,074.53
		For Class 52 Rating, Deduct	*-645.04*	
		For Class 54 Rating, Add	*439.80*	
		For Class 55 Rating, Add	*977.53*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,763.92	1,076.54
		For Class 52 Rating, Deduct	*-674.61*	
		For Class 54 Rating, Add	*459.96*	
		For Class 55 Rating, Add	*1,022.34*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,035.76	1,078.55
		For Class 52 Rating, Deduct	*-704.18*	
		For Class 54 Rating, Add	*480.12*	
		For Class 55 Rating, Add	*1,067.15*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,307.61	1,080.55
		For Class 52 Rating, Deduct	*-733.74*	
		For Class 54 Rating, Add	*500.28*	
		For Class 55 Rating, Add	*1,111.96*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,579.45	1,082.57
		For Class 52 Rating, Deduct	*-763.31*	
		For Class 54 Rating, Add	*520.44*	
		For Class 55 Rating, Add	*1,156.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,851.29	1,084.58
		For Class 52 Rating, Deduct	*-792.88*	
		For Class 54 Rating, Add	*540.60*	
		For Class 55 Rating, Add	*1,201.57*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,123.13	1,086.58
		For Class 52 Rating, Deduct	*-822.45*	
		For Class 54 Rating, Add	*560.76*	
		For Class 55 Rating, Add	*1,246.38*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,394.99	1,088.59
		For Class 52 Rating, Deduct	*-852.02*	
		For Class 54 Rating, Add	*580.92*	
		For Class 55 Rating, Add	*1,291.19*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,666.83	1,090.60
		For Class 52 Rating, Deduct	*-881.58*	
		For Class 54 Rating, Add	*601.08*	
		For Class 55 Rating, Add	*1,336.00*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,938.67	1,092.61
		For Class 52 Rating, Deduct	*-911.15*	
		For Class 54 Rating, Add	*621.24*	
		For Class 55 Rating, Add	*1,380.81*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,210.51	1,094.61
		For Class 52 Rating, Deduct	*-940.72*	
		For Class 54 Rating, Add	*641.40*	
		For Class 55 Rating, Add	*1,425.62*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,482.36	1,096.63
		For Class 52 Rating, Deduct	*-970.29*	
		For Class 54 Rating, Add	*661.56*	
		For Class 55 Rating, Add	*1,470.43*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,754.20	1,098.64
		For Class 52 Rating, Deduct	*-999.86*	
		For Class 54 Rating, Add	*681.72*	
		For Class 55 Rating, Add	*1,515.24*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,026.04	1,100.64
		For Class 52 Rating, Deduct	*-1,029.42*	
		For Class 54 Rating, Add	*701.88*	
		For Class 55 Rating, Add	*1,560.05*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,297.88	1,102.65
		For Class 52 Rating, Deduct	*-1,058.99*	
		For Class 54 Rating, Add	*722.04*	
		For Class 55 Rating, Add	*1,604.85*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,569.73	1,104.66
		For Class 52 Rating, Deduct	*-1,088.56*	
		For Class 54 Rating, Add	*742.20*	
		For Class 55 Rating, Add	*1,649.66*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,841.57	1,106.68
		For Class 52 Rating, Deduct	*-1,118.13*	
		For Class 54 Rating, Add	*762.36*	
		For Class 55 Rating, Add	*1,694.47*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,113.41	1,108.67
		For Class 52 Rating, Deduct	*-1,147.70*	
		For Class 54 Rating, Add	*782.52*	
		For Class 55 Rating, Add	*1,739.28*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,385.25	1,110.68
		For Class 52 Rating, Deduct	*-1,177.26*	
		For Class 54 Rating, Add	*802.68*	
		For Class 55 Rating, Add	*1,784.09*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,657.10	1,112.70
		For Class 52 Rating, Deduct	*-1,206.83*	
		For Class 54 Rating, Add	*822.84*	
		For Class 55 Rating, Add	*1,828.90*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,928.94	1,114.70
		For Class 52 Rating, Deduct	*-1,236.40*	
		For Class 54 Rating, Add	*843.00*	
		For Class 55 Rating, Add	*1,873.71*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,200.78	1,116.71
		For Class 52 Rating, Deduct	*-1,265.97*	
		For Class 54 Rating, Add	*863.16*	
		For Class 55 Rating, Add	*1,918.52*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,472.63	1,118.72
		For Class 52 Rating, Deduct	*-1,295.54*	
		For Class 54 Rating, Add	*883.32*	
		For Class 55 Rating, Add	*1,963.33*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,744.47	1,120.73
		For Class 52 Rating, Deduct	*-1,325.10*	
		For Class 54 Rating, Add	*903.48*	
		For Class 55 Rating, Add	*2,008.13*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,016.32	1,122.73
		For Class 52 Rating, Deduct	*-1,354.67*	
		For Class 54 Rating, Add	*923.64*	
		For Class 55 Rating, Add	*2,052.94*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.19	1,321.58
		For Class 52 Rating, Deduct	*-349.45*	
		For Class 54 Rating, Add	*238.26*	
		For Class 55 Rating, Add	*529.57*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.83	1,323.57
		For Class 52 Rating, Deduct	*-393.62*	
		For Class 54 Rating, Add	*268.38*	
		For Class 55 Rating, Add	*596.52*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,983.67	1,325.59
		For Class 52 Rating, Deduct	*-437.27*	
		For Class 54 Rating, Add	*298.14*	
		For Class 55 Rating, Add	*662.67*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,387.52	1,327.60
		For Class 52 Rating, Deduct	*-481.36*	
		For Class 54 Rating, Add	*328.20*	
		For Class 55 Rating, Add	*729.48*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,787.36	1,329.62
		For Class 52 Rating, Deduct	*-525.01*	
		For Class 54 Rating, Add	*357.96*	
		For Class 55 Rating, Add	*795.63*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,192.00	1,331.61
		For Class 52 Rating, Deduct	*-569.18*	
		For Class 54 Rating, Add	*388.08*	
		For Class 55 Rating, Add	*862.57*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,591.04	1,333.62
		For Class 52 Rating, Deduct	*-612.74*	
		For Class 54 Rating, Add	*417.78*	
		For Class 55 Rating, Add	*928.59*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,995.69	1,335.64
		For Class 52 Rating, Deduct	*-656.92*	
		For Class 54 Rating, Add	*447.90*	
		For Class 55 Rating, Add	*995.53*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,395.53	1,337.64
		For Class 52 Rating, Deduct	*-700.57*	
		For Class 54 Rating, Add	*477.66*	
		For Class 55 Rating, Add	*1,061.68*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,799.37	1,339.65
		For Class 52 Rating, Deduct	*-744.66*	
		For Class 54 Rating, Add	*507.72*	
		For Class 55 Rating, Add	*1,128.49*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,199.21	1,341.66
		For Class 52 Rating, Deduct	*-788.30*	
		For Class 54 Rating, Add	*537.48*	
		For Class 55 Rating, Add	*1,194.64*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,603.06	1,343.67
		For Class 52 Rating, Deduct	*-832.39*	
		For Class 54 Rating, Add	*567.54*	
		For Class 55 Rating, Add	*1,261.45*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,002.90	1,345.67
		For Class 52 Rating, Deduct	*-876.04*	
		For Class 54 Rating, Add	*597.30*	
		For Class 55 Rating, Add	*1,327.60*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,403.54	1,347.68
		For Class 52 Rating, Deduct	*-919.78*	
		For Class 54 Rating, Add	*627.12*	
		For Class 55 Rating, Add	*1,393.88*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,806.59	1,349.70
		For Class 52 Rating, Deduct	*-963.78*	
		For Class 54 Rating, Add	*657.12*	
		For Class 55 Rating, Add	*1,460.56*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,206.44	1,351.71
		For Class 52 Rating, Deduct	*-1,007.42*	
		For Class 54 Rating, Add	*686.88*	
		For Class 55 Rating, Add	*1,526.71*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,611.08	1,353.70
		For Class 52 Rating, Deduct	*-1,051.60*	
		For Class 54 Rating, Add	*717.00*	
		For Class 55 Rating, Add	*1,593.65*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,010.92	1,355.72
		For Class 52 Rating, Deduct	*-1,095.25*	
		For Class 54 Rating, Add	*746.76*	
		For Class 55 Rating, Add	*1,659.80*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,414.76	1,357.73
		For Class 52 Rating, Deduct	*-1,139.34*	
		For Class 54 Rating, Add	*776.82*	
		For Class 55 Rating, Add	*1,726.61*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,814.61	1,359.73
		For Class 52 Rating, Deduct	*-1,182.98*	
		For Class 54 Rating, Add	*806.58*	
		For Class 55 Rating, Add	*1,792.76*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,219.25	1,361.74
		For Class 52 Rating, Deduct	*-1,227.16*	
		For Class 54 Rating, Add	*836.70*	
		For Class 55 Rating, Add	*1,859.71*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,619.09	1,363.75
		For Class 52 Rating, Deduct	*-1,270.81*	
		For Class 54 Rating, Add	*866.46*	
		For Class 55 Rating, Add	*1,925.85*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,022.93	1,365.77
		For Class 52 Rating, Deduct	*-1,314.90*	
		For Class 54 Rating, Add	*896.52*	
		For Class 55 Rating, Add	*1,992.67*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,422.78	1,367.76
		For Class 52 Rating, Deduct	*-1,358.54*	
		For Class 54 Rating, Add	*926.28*	
		For Class 55 Rating, Add	*2,058.81*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,827.42	1,369.78
		For Class 52 Rating, Deduct	*-1,402.72*	
		For Class 54 Rating, Add	*956.40*	
		For Class 55 Rating, Add	*2,125.76*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,227.26	1,371.79
		For Class 52 Rating, Deduct	*-1,446.37*	
		For Class 54 Rating, Add	*986.16*	
		For Class 55 Rating, Add	*2,191.90*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,630.30	1,373.79
		For Class 52 Rating, Deduct	*-1,490.37*	
		For Class 54 Rating, Add	*1,016.16*	
		For Class 55 Rating, Add	*2,258.58*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,030.95	1,375.80
		For Class 52 Rating, Deduct	*-1,534.10*	
		For Class 54 Rating, Add	*1,045.98*	
		For Class 55 Rating, Add	*2,324.86*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,350.80	1,377.81
		For Class 52 Rating, Deduct	*-1,568.95*	
		For Class 54 Rating, Add	*1,069.74*	
		For Class 55 Rating, Add	*2,377.68*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,834.64	1,379.83
		For Class 52 Rating, Deduct	*-1,621.84*	
		For Class 54 Rating, Add	*1,105.80*	
		For Class 55 Rating, Add	*2,457.82*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,234.48	1,381.82
		For Class 52 Rating, Deduct	*-1,665.49*	
		For Class 54 Rating, Add	*1,135.56*	
		For Class 55 Rating, Add	*2,523.97*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,638.33	1,383.84
		For Class 52 Rating, Deduct	*-1,709.58*	
		For Class 54 Rating, Add	*1,165.62*	
		For Class 55 Rating, Add	*2,590.78*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,038.17	1,385.85
		For Class 52 Rating, Deduct	*-1,753.22*	
		For Class 54 Rating, Add	*1,195.38*	
		For Class 55 Rating, Add	*2,656.93*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,442.81	1,387.86
		For Class 52 Rating, Deduct	*-1,797.40*	
		For Class 54 Rating, Add	*1,225.50*	
		For Class 55 Rating, Add	*2,723.88*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,841.85	1,389.86
		For Class 52 Rating, Deduct	*-1,840.96*	
		For Class 54 Rating, Add	*1,255.20*	
		For Class 55 Rating, Add	*2,789.89*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,246.49	1,391.87
		For Class 52 Rating, Deduct	*-1,885.14*	
		For Class 54 Rating, Add	*1,285.32*	
		For Class 55 Rating, Add	*2,856.84*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,646.34	1,393.89
		For Class 52 Rating, Deduct	*-1,928.78*	
		For Class 54 Rating, Add	*1,315.08*	
		For Class 55 Rating, Add	*2,922.98*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,050.18	1,395.88
		For Class 52 Rating, Deduct	*-1,972.87*	
		For Class 54 Rating, Add	*1,345.14*	
		For Class 55 Rating, Add	*2,989.80*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,647.87	1,661.01
		For Class 52 Rating, Deduct	*-454.43*	
		For Class 54 Rating, Add	*309.84*	
		For Class 55 Rating, Add	*688.67*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,235.72	1,663.01
		For Class 52 Rating, Deduct	*-518.76*	
		For Class 54 Rating, Add	*353.70*	
		For Class 55 Rating, Add	*786.16*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,822.76	1,665.02
		For Class 52 Rating, Deduct	*-583.00*	
		For Class 54 Rating, Add	*397.50*	
		For Class 55 Rating, Add	*883.51*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,414.60	1,667.04
		For Class 52 Rating, Deduct	*-647.77*	
		For Class 54 Rating, Add	*441.66*	
		For Class 55 Rating, Add	*981.66*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,002.45	1,669.03
		For Class 52 Rating, Deduct	*-712.10*	
		For Class 54 Rating, Add	*485.52*	
		For Class 55 Rating, Add	*1,079.15*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,590.29	1,671.05
		For Class 52 Rating, Deduct	*-776.42*	
		For Class 54 Rating, Add	*529.38*	
		For Class 55 Rating, Add	*1,176.64*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,181.34	1,673.06
		For Class 52 Rating, Deduct	*-841.10*	
		For Class 54 Rating, Add	*573.48*	
		For Class 55 Rating, Add	*1,274.65*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,769.98	1,675.06
		For Class 52 Rating, Deduct	*-905.52*	
		For Class 54 Rating, Add	*617.40*	
		For Class 55 Rating, Add	*1,372.27*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,357.02	1,677.07
		For Class 52 Rating, Deduct	*-969.76*	
		For Class 54 Rating, Add	*661.20*	
		For Class 55 Rating, Add	*1,469.63*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,948.86	1,679.08
		For Class 52 Rating, Deduct	*-1,034.53*	
		For Class 54 Rating, Add	*705.36*	
		For Class 55 Rating, Add	*1,567.78*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,536.71	1,681.10
		For Class 52 Rating, Deduct	*-1,098.86*	
		For Class 54 Rating, Add	*749.22*	
		For Class 55 Rating, Add	*1,665.27*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,128.55	1,683.10
		For Class 52 Rating, Deduct	*-1,163.62*	
		For Class 54 Rating, Add	*793.38*	
		For Class 55 Rating, Add	*1,763.42*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,715.59	1,685.10
		For Class 52 Rating, Deduct	*-1,227.86*	
		For Class 54 Rating, Add	*837.18*	
		For Class 55 Rating, Add	*1,860.77*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,303.43	1,687.12
		For Class 52 Rating, Deduct	*-1,292.19*	
		For Class 54 Rating, Add	*881.04*	
		For Class 55 Rating, Add	*1,958.26*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,895.28	1,689.13
		For Class 52 Rating, Deduct	*-1,356.96*	
		For Class 54 Rating, Add	*925.20*	
		For Class 55 Rating, Add	*2,056.41*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,483.12	1,691.13
		For Class 52 Rating, Deduct	*-1,421.29*	
		For Class 54 Rating, Add	*969.06*	
		For Class 55 Rating, Add	*2,153.90*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,070.16	1,693.14
		For Class 52 Rating, Deduct	*-1,485.53*	
		For Class 54 Rating, Add	*1,012.86*	
		For Class 55 Rating, Add	*2,251.25*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,662.00	1,695.15
		For Class 52 Rating, Deduct	*-1,550.30*	
		For Class 54 Rating, Add	*1,057.02*	
		For Class 55 Rating, Add	*2,349.40*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,249.86	1,697.16
		For Class 52 Rating, Deduct	*-1,614.62*	
		For Class 54 Rating, Add	*1,100.88*	
		For Class 55 Rating, Add	*2,446.89*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,836.90	1,699.16
		For Class 52 Rating, Deduct	*-1,678.86*	
		For Class 54 Rating, Add	*1,144.68*	
		For Class 55 Rating, Add	*2,544.24*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,428.74	1,701.18
		For Class 52 Rating, Deduct	*-1,743.63*	
		For Class 54 Rating, Add	*1,188.84*	
		For Class 55 Rating, Add	*2,642.40*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,017.38	1,703.19
		For Class 52 Rating, Deduct	*-1,808.05*	
		For Class 54 Rating, Add	*1,232.76*	
		For Class 55 Rating, Add	*2,740.01*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,604.43	1,705.18
		For Class 52 Rating, Deduct	*-1,872.29*	
		For Class 54 Rating, Add	*1,276.56*	
		For Class 55 Rating, Add	*2,837.37*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,196.27	1,707.20
		For Class 52 Rating, Deduct	*-1,937.06*	
		For Class 54 Rating, Add	*1,320.72*	
		For Class 55 Rating, Add	*2,935.52*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,784.11	1,709.21
		For Class 52 Rating, Deduct	*-2,001.38*	
		For Class 54 Rating, Add	*1,364.58*	
		For Class 55 Rating, Add	*3,033.01*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,371.15	1,711.22
		For Class 52 Rating, Deduct	*-2,065.62*	
		For Class 54 Rating, Add	*1,408.38*	
		For Class 55 Rating, Add	*3,130.36*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,963.00	1,713.22
		For Class 52 Rating, Deduct	*-2,130.39*	
		For Class 54 Rating, Add	*1,452.54*	
		For Class 55 Rating, Add	*3,228.51*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,550.84	1,715.23
		For Class 52 Rating, Deduct	*-2,194.72*	
		For Class 54 Rating, Add	*1,496.40*	
		For Class 55 Rating, Add	*3,326.00*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,066.68	1,717.25
		For Class 52 Rating, Deduct	*-2,251.13*	
		For Class 54 Rating, Add	*1,534.86*	
		For Class 55 Rating, Add	*3,411.48*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,730.52	1,719.25
		For Class 52 Rating, Deduct	*-2,323.82*	
		For Class 54 Rating, Add	*1,584.42*	
		For Class 55 Rating, Add	*3,521.64*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,317.57	1,721.26
		For Class 52 Rating, Deduct	*-2,388.06*	
		For Class 54 Rating, Add	*1,628.22*	
		For Class 55 Rating, Add	*3,618.99*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,910.21	1,723.27
		For Class 52 Rating, Deduct	*-2,452.91*	
		For Class 54 Rating, Add	*1,672.44*	
		For Class 55 Rating, Add	*3,717.28*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,497.25	1,725.28
		For Class 52 Rating, Deduct	*-2,517.15*	
		For Class 54 Rating, Add	*1,716.24*	
		For Class 55 Rating, Add	*3,814.63*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,084.30	1,727.28
		For Class 52 Rating, Deduct	*-2,581.39*	
		For Class 54 Rating, Add	*1,760.04*	
		For Class 55 Rating, Add	*3,911.98*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,676.95	1,729.29
		For Class 52 Rating, Deduct	*-2,646.25*	
		For Class 54 Rating, Add	*1,804.26*	
		For Class 55 Rating, Add	*4,010.27*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,263.99	1,731.31
		For Class 52 Rating, Deduct	*-2,710.49*	
		For Class 54 Rating, Add	*1,848.06*	
		For Class 55 Rating, Add	*4,107.62*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,851.83	1,733.31
		For Class 52 Rating, Deduct	*-2,774.82*	
		For Class 54 Rating, Add	*1,891.92*	
		For Class 55 Rating, Add	*4,205.11*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,443.67	1,735.32
		For Class 52 Rating, Deduct	*-2,839.58*	
		For Class 54 Rating, Add	*1,936.08*	
		For Class 55 Rating, Add	*4,303.26*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	256.42	96.90
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	357.35	123.91
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	491.86	140.36
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	712.81	177.94
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	876.58	197.32
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,084.78	214.35
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,336.41	264.28
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,746.10	317.13
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,153.07	399.35
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,237.15	452.20
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,404.40	599.02
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,618.93	678.30
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,671.35	775.20
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,851.89	951.39

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	244.42	96.90
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	338.15	123.91
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	443.06	140.36
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	642.41	177.94
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	786.98	197.32
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	902.38	214.35
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,134.81	264.28
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,474.90	317.13
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,905.87	399.35
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,491.55	452.20
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,858.80	599.02
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,220.53	678.30
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	10,958.55	775.20
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,914.29	951.39
40 05 19 00-1610		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	243.62	96.90
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	331.75	123.91
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	437.46	140.36
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	626.41	177.94
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	822.18	197.32
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,013.58	214.35
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,159.61	264.28
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,505.30	317.13
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,037.87	399.35
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,792.35	452.20
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,912.40	599.02
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	7,343.73	678.30
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	11,204.15	775.20
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,234.29	951.39
40 05 19 00-1625		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	263.62	96.90
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	369.35	123.91
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	453.46	140.36
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	683.21	177.94
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	926.98	197.32
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,040.78	214.35
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,273.21	264.28
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,505.30	317.13
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,037.87	399.35
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,900.35	452.20
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,966.00	599.02
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,396.53	678.30
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	11,260.15	775.20
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,347.09	951.39
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	336.08	110.40
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	410.14	118.63
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	461.81	132.13
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	606.61	137.43
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	642.28	150.93
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	700.34	159.16
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	652.14	147.41
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	733.40	160.91
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	838.66	169.14
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	895.94	187.93
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	838.66	169.14
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	926.32	177.36
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,031.59	196.15
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,138.72	206.13
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	966.88	194.09
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,040.94	202.32
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,191.81	221.11
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,297.70	230.80
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,387.40	239.31
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,129.33	220.52
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,340.98	228.74
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,384.65	247.53
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,460.93	257.22

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,581.03	265.75
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,724.45	290.70
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,450.81	261.63
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,545.67	269.85
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,902.94	288.65
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,974.42	298.34
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,171.33	306.85
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,133.14	331.81
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,272.38	358.23
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,017.25	288.06
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,112.90	296.28
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,272.58	315.07
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,386.47	324.77
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,596.97	333.28
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,798.78	358.23
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,871.62	384.66
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,013.17	380.41
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,566.48	398.17
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,791.39	406.69
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,266.01	431.64
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,946.05	458.07
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,709.93	499.18
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,029.98	525.61
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,880.15	437.81
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,285.05	446.33
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,142.87	471.29
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,680.52	497.71
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,409.20	538.82
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,981.24	565.25
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,458.86	638.66
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,550.46	494.78
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,241.88	519.73
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,708.32	546.16
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,568.21	587.27
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,381.85	613.70
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,865.87	687.11
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,858.74	726.74
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,268.04	709.13
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,432.87	782.54
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,860.93	822.18
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,949.54	870.64
40 05 19 00-1705		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	300.42	96.90
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	455.75	123.91
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	656.66	140.36
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	927.21	177.94
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,293.38	197.32
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,503.18	214.35
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,946.01	264.28
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,407.70	317.13
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,273.07	399.35
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,768.35	452.20
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,334.80	599.02
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,618.13	678.30
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,483.35	775.20
40 05 19 00-1719		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	315.62	96.90
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	426.15	123.91
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	677.46	140.36
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	912.01	177.94
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,212.58	197.32
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,426.38	214.35
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,762.01	264.28
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,209.30	317.13
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,909.87	399.35
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,077.15	452.20
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,641.20	599.02
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,442.93	678.30
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,393.75	775.20
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,790.29	951.39
40 05 19 00-1734		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	435.80	155.63

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	539.67	191.45
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	740.69	213.77
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,054.48	277.78
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,380.74	303.04
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,824.24	325.94
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,079.67	411.09
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,526.25	469.82
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,186.70	593.14
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,625.73	654.80
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	7,807.90	904.40
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	11,172.11	1,036.53
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	22,814.41	1,198.03

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	539.38	173.83
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	655.92	177.36
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	662.53	199.67
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	853.19	196.15
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	850.21	218.46
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	897.16	232.56
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,068.32	206.13
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,072.54	228.44
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,133.09	242.55
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,349.60	287.76
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,530.38	214.35
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,505.79	236.67
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,573.55	250.77
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,671.66	295.99
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,772.04	311.55
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,849.80	239.31
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,717.21	261.63
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,695.36	275.73
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,988.68	320.94
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,937.86	336.50
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,153.26	350.89
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,253.83	265.75
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,726.05	288.06
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,065.01	302.15
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,086.32	347.37
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,265.90	362.93
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,467.70	377.32
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,650.91	437.52
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,893.73	306.85
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,508.33	329.16
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,562.49	343.26
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,680.61	388.48
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,785.79	404.05
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,824.38	418.44
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,393.19	478.63
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,474.93	510.92
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,288.17	333.28
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,861.18	355.59
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,990.53	369.68
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,119.05	414.91
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,485.03	430.47
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,572.43	444.86
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,706.83	505.05
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,831.77	537.35
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,003.61	574.21
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,784.41	429.00
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,822.56	443.09
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,997.48	488.32
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,021.05	503.88
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,042.86	518.27
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,186.86	578.46
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,271.00	610.76
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,482.77	692.98
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,248.16	728.21
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,986.29	614.00
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,533.60	625.15
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,599.69	657.16
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,671.62	669.78
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,706.58	681.24
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,806.28	723.82
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,868.38	753.18
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,032.20	814.84
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,238.12	845.67
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,054.40	970.46
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,104.83	531.19
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,784.55	576.41

copyright 2018 The Gordian Group, Inc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,808.13	591.97
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,848.32	606.36
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,977.13	666.55
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,120.47	698.86
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,245.04	781.07
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,448.83	816.31
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,026.97	992.49
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,815.11	1,084.99
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,280.72	687.40
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,302.52	701.79
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,449.72	761.99
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,498.66	794.29
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,697.63	876.51
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,883.02	911.74
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	18,413.97	1,087.92
40 05 19 00-1830		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	466.20	155.63
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	626.87	191.45
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	891.09	213.77
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,338.48	277.78
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,774.34	303.04
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,977.84	325.94
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,457.27	411.09
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,975.05	469.82
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,961.10	593.14
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,635.33	654.80
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	9,379.90	904.40
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	13,283.31	1,036.53
40 05 19 00-1843		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	389.40	155.63
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	535.67	191.45
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	752.69	213.77
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	988.08	277.78
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,376.74	303.04
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,763.44	325.94
40 05 19 00-1850		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	535.18	214.35
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	688.72	232.27
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	734.01	258.98
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	832.10	236.08
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	910.46	267.20
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	946.32	287.18
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,058.97	254.88
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,167.73	286.00
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,274.79	305.97
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,581.74	377.62
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,348.86	264.56
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,426.42	295.69
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,534.27	315.66
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,856.43	387.30
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,763.31	408.74
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,684.12	304.21
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,791.17	324.17
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,006.93	395.82
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,177.81	417.25
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,284.51	437.52
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,997.93	329.16
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,119.39	349.14
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,335.14	420.78
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,521.23	442.22
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,463.13	462.48
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,879.71	557.91
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,084.38	355.59
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,205.04	375.56
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,390.39	447.21
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,575.66	468.65
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,942.36	488.91
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,225.36	584.33
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,375.20	622.51
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,693.07	396.71
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,821.72	416.67
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,995.88	488.32
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,193.15	509.75

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,256.65	530.01
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,961.25	625.45
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,117.48	663.61
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,535.54	786.95
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,523.50	423.13
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,618.56	443.09
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,842.31	514.75
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,974.00	536.18
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,054.30	556.44
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,314.08	651.87
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,541.52	690.05
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,872.45	768.01
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,469.52	857.42
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,446.02	609.59
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,494.32	629.85
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,762.11	725.29
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,855.15	763.45
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,236.40	886.78
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,331.95	930.83
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,653.00	1,209.78
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,077.39	775.50
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,103.64	792.82
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,328.74	870.64
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,416.53	905.87
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,731.44	1,008.64
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,073.91	1,048.28
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,575.50	1,275.85
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	14,884.49	1,394.77
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,250.69	697.68
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,281.39	717.94
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,538.79	813.37
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,615.02	851.55
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,971.48	974.87
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	14,320.61	1,018.92
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,430.47	1,297.87
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,349.90	1,443.22
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,976.67	1,620.87
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,733.99	813.37
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,992.17	908.80
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,068.41	946.98
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,405.68	1,070.30
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,754.81	1,114.35
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,685.47	1,393.31

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	284.08	110.40
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	354.94	118.63
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	391.41	132.13
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	469.81	137.43
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	478.28	150.93
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	553.14	159.16
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	590.54	147.41
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	613.40	160.91
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	669.86	169.14
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	752.74	187.93
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	899.80	160.91
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	730.66	169.14
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	804.72	177.36
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	885.19	196.15
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	865.92	206.13
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,061.62	180.59
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	876.48	194.09
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	834.54	202.32
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	928.61	221.11
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,136.10	230.80
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,219.40	239.31
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,340.53	220.52
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,080.98	228.74
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,186.25	247.53
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,182.53	257.22
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,350.63	265.75
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,357.25	290.70
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,384.41	261.63
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,348.07	269.85
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,458.94	288.65
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,428.02	298.34
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,635.33	306.85
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,549.94	331.81
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,893.98	358.23

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,799.30	296.28
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,025.38	315.07
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,173.67	324.77
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,231.37	333.28
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,996.38	358.23
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,394.02	384.66
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,519.57	380.41
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,406.01	431.64
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,552.45	458.07
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,826.73	499.18
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,219.58	525.61
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,613.27	471.29
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,846.92	497.71
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,156.40	538.82
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,602.84	565.25
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,454.86	638.66
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,779.45	613.70
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,793.07	687.11
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,925.94	726.74
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,861.64	709.13
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,064.07	782.54
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,347.33	822.18
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,813.54	870.64

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	305.68	110.40
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	379.74	118.63
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	430.61	132.13
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	469.81	137.43
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	504.68	150.93
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	577.94	159.16
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	590.54	147.41
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	642.20	160.91
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	700.26	169.14
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	805.54	187.93
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	730.66	169.14
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	789.52	177.36
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	879.59	196.15
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,001.12	206.13
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	876.48	194.09
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	948.94	202.32
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,054.21	221.11
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,160.90	230.80
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,219.40	239.31
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,080.98	228.74
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,186.25	247.53
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,292.93	257.22
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,350.63	265.75
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,480.45	290.70
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,555.61	261.63
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,430.47	269.85
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,458.94	288.65
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,588.82	298.34
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,635.33	306.85
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,786.74	331.81
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,893.18	358.23
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,964.10	296.28
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,025.38	315.07
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,072.87	324.77
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,118.57	333.28
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,272.38	358.23
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,394.02	384.66
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,519.57	380.41
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,039.39	406.69
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,953.21	431.64
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,570.05	458.07
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,826.73	499.18
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,219.58	525.61
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,648.47	471.29
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,846.92	497.71
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,138.80	538.82
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,583.64	565.25
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,437.26	638.66
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,779.45	613.70
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,633.07	687.11
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,925.94	726.74
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,064.07	782.54
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,347.33	822.18
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,813.54	870.64

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges** *(40 05 19 00-0001)*		
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	108.24	38.18
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	162.22	56.38
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	230.23	66.95
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	311.95	78.11
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	399.61	91.61
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	522.11	102.78
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	621.96	117.45
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	844.35	164.44
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,117.03	205.54
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,576.57	249.59
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,202.05	290.70
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,865.75	320.07
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,417.08	352.36
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,135.82	396.41
40 05 19 00-2059		**Ductile Iron Bolt Packs** *(40 05 19)*		
		Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	34.34	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*9.62*	
		For Hot Dip Galvanized, Add	*13.74*	
40 05 19 00-2061	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	53.00	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*14.84*	
		For Hot Dip Galvanized, Add	*21.20*	
40 05 19 00-2062	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	57.55	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*16.11*	
		For Hot Dip Galvanized, Add	*23.02*	
40 05 19 00-2063	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	129.26	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*36.19*	
		For Hot Dip Galvanized, Add	*51.70*	
40 05 19 00-2064	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	130.39	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*36.51*	
		For Hot Dip Galvanized, Add	*52.16*	
40 05 19 00-2065	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	146.09	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*40.91*	
		For Hot Dip Galvanized, Add	*58.44*	
40 05 19 00-2066	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	245.59	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*68.77*	
		For Hot Dip Galvanized, Add	*98.24*	
40 05 19 00-2067	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	356.78	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*99.90*	
		For Hot Dip Galvanized, Add	*142.71*	
40 05 19 00-2068	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	450.48	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*126.13*	
		For Hot Dip Galvanized, Add	*180.19*	
40 05 19 00-2069	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	644.56	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*180.48*	
		For Hot Dip Galvanized, Add	*257.82*	
40 05 19 00-2070	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,018.50	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*285.18*	
		For Hot Dip Galvanized, Add	*407.40*	
40 05 19 00-2071	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,452.91	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*406.81*	
		For Hot Dip Galvanized, Add	*581.16*	
40 05 19 00-2072	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,869.12	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*523.35*	
		For Hot Dip Galvanized, Add	*747.65*	
40 05 19 00-2073	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack	2,284.49	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*639.66*	
		For Hot Dip Galvanized, Add	*913.80*	
40 05 19 00-2074		**Full Face Flange Gaskets, ANSI/AWWA C115/A21.15** *(40 05 19)*		
		Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075		**Full Face Flange Styrene Butadiene (SBR) Gaskets** *(40 05 19 00-2074)*		
40 05 19 00-2076	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	6.15	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2077	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	7.82	
40 05 19 00-2078	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.62	
40 05 19 00-2079	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	12.29	
40 05 19 00-2080	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	13.41	
40 05 19 00-2081	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	22.35	
40 05 19 00-2082	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	27.38	
40 05 19 00-2083	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.06	
40 05 19 00-2084	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	44.70	
40 05 19 00-2085	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	48.05	
40 05 19 00-2086	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	62.02	
40 05 19 00-2087	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	70.96	
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	75.99	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.25	
40 05 19 00-2090		Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-2074)*		
		Note: (Acrylonitrile Butadiene)		
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	19.00	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	26.82	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	41.35	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	45.26	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	48.61	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	91.64	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	112.87	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	113.43	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	117.90	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	124.60	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	138.01	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.98	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	216.24	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	236.35	
40 05 19 00-2105		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-2074)*		
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	16.76	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	21.79	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.61	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	34.64	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	38.55	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	63.70	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	76.55	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	77.11	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	78.78	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	91.64	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	112.31	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	127.95	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	183.27	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	202.27	
40 05 19 00-2120		Full Face Flange Neoprene Gaskets *(40 05 19 00-2074)*		
		Note: (Polychloroprene)		
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	19.56	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	27.38	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	41.91	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	45.26	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	48.61	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	64.82	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	113.98	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	114.54	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	121.25	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	122.92	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	133.54	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	150.30	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	217.91	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	238.59	
40 05 19 00-2135		Full Face Flange FKM Gaskets *(40 05 19 00-2074)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	45.00	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	67.00	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	89.50	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	108.00	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	140.50	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	257.00	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	294.50	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	308.50	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	329.00	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	455.00	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	545.50	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	253.62	56.43
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	348.20	68.89
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	508.91	84.02
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	694.33	102.50
40 05 19 00-2155	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	879.68	124.99
40 05 19 00-2156	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,395.81	152.49
40 05 19 00-2157	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,175.61	186.09
40 05 19 00-2158	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,259.12	226.98
40 05 19 00-2159	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,767.23	276.97
40 05 19 00-2160	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,094.01	337.84
40 05 19 00-2161	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,979.01	412.24
40 05 19 00-2162	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,875.45	502.87
40 05 19 00-2163	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	15,063.56	613.55
40 05 19 00-2164	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	19,228.20	748.48
40 05 23		Stainless Steel Process Pipe and Tubing *(40 05)*		
40 05 23 43		**Stainless Steel Process Pipe** *(40 05 23)*		
40 05 23 43-0001		Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly *(40 05 23 43)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 43-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	26.74	7.59
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.99*	
		For Work In Restricted Working Space, Add	*4.58*	
40 05 23 43-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	30.16	8.70
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.13*	
		For Work In Restricted Working Space, Add	*5.44*	
40 05 23 43-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	35.13	9.81
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.67*	
		For Work In Restricted Working Space, Add	*6.31*	
40 05 23 43-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	40.43	11.85
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.63*	
		For Work In Restricted Working Space, Add	*6.79*	
40 05 23 43-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	44.66	12.19
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.31*	
		For Work In Restricted Working Space, Add	*7.28*	
40 05 23 43-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	54.11	16.10
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*6.47*	
		For Work In Restricted Working Space, Add	*8.77*	
40 05 23 43-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	78.99	19.86
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*11.13*	
		For Work In Restricted Working Space, Add	*10.86*	
40 05 23 43-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	100.01	23.01
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*14.49*	
		For Work In Restricted Working Space, Add	*13.28*	
40 05 23 43-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	136.45	23.01
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*16.86*	
40 05 23 43-0011		Stainless Steel Tubing And Fittings *(40 05 23 43)*		
40 05 23 43-0012		Type 304 Tubing *(40 05 23 43-0011)*		
40 05 23 43-0013		0.035" Wall *(40 05 23 43-0012)*		
40 05 23 43-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	6.44	2.50
		For Work In Restricted Working Space, Add	*1.49*	
40 05 23 43-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	7.51	2.96
		For Work In Restricted Working Space, Add	*1.79*	
40 05 23 43-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.94	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	13.98	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	16.50	4.45
		For Work In Restricted Working Space, Add	*2.69*	
40 05 23 43-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	18.26	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	20.55	6.02
		For Work In Restricted Working Space, Add	*3.58*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021		0.049" Wall *(40 05 23 43-0012)*		
40 05 23 43-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	10.34	2.96
		For Work In Restricted Working Space, Add	*1.79*	
40 05 23 43-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	11.58	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	13.85	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	17.50	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	20.12	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	22.70	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	26.15	7.87
		For Work In Restricted Working Space, Add	*4.75*	
40 05 23 43-0029		0.065" Wall *(40 05 23 43-0012)*		
40 05 23 43-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	12.07	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	13.88	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	17.14	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	20.18	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	23.79	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	27.30	7.87
		For Work In Restricted Working Space, Add	*4.75*	
40 05 23 43-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	30.77	8.89
		For Work In Restricted Working Space, Add	*5.34*	
40 05 23 43-0037		Type 304 Tube Fittings *(40 05 23 43-0011)*		
40 05 23 43-0038		90 Degree Elbows *(40 05 23 43-0037)*		
40 05 23 43-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	38.55	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	45.30	10.93
		For Work In Restricted Working Space, Add	*6.54*	
40 05 23 43-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	66.84	12.32
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 43-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	71.61	13.80
		For Work In Restricted Working Space, Add	*8.29*	
40 05 23 43-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	79.92	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	107.85	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	136.88	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0046		Union Tees *(40 05 23 43-0037)*		
40 05 23 43-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	60.88	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	73.30	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	98.75	18.52
		For Work In Restricted Working Space, Add	*11.11*	
40 05 23 43-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	106.63	21.02
		For Work In Restricted Working Space, Add	*12.63*	
40 05 23 43-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	134.74	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	210.35	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0053	EA	1", Type 304, Stainless Steel, Union Tee	252.05	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0054		Unions *(40 05 23 43-0037)*		
40 05 23 43-0055	EA	1/4", Type 304, Stainless Steel, Union	58.41	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0056	EA	3/8", Type 304, Stainless Steel, Union	74.68	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0057	EA	1/2", Type 304, Stainless Steel, Union	99.66	18.52
		For Work In Restricted Working Space, Add	*11.11*	
40 05 23 43-0058	EA	5/8", Type 304, Stainless Steel, Union	120.96	21.02
		For Work In Restricted Working Space, Add	*12.63*	
40 05 23 43-0059	EA	3/4", Type 304, Stainless Steel, Union	143.46	22.59
		For Work In Restricted Working Space, Add	*13.55*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA	7/8", Type 304, Stainless Steel, Union	217.30	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0061	EA	1", Type 304, Stainless Steel, Union	232.34	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0062		Male Connectors *(40 05 23 43-0037)*		
40 05 23 43-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	29.72	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	36.61	10.93
		For Work In Restricted Working Space, Add	*6.54*	
40 05 23 43-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	46.87	12.32
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 43-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	52.78	13.80
		For Work In Restricted Working Space, Add	*8.29*	
40 05 23 43-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	63.19	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	93.17	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	98.39	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0070		Type 304 Valves *(40 05 23 43-0011)*		
40 05 23 43-0071		Gate Valves *(40 05 23 43-0070)*		
40 05 23 43-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	161.58	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	271.11	17.50
		For Work In Restricted Working Space, Add	*8.51*	
40 05 23 43-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	282.14	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	312.85	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0076	EA	1" Gate Valve, Stainless Steel Type 304	288.42	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0077		Globe Valves *(40 05 23 43-0070)*		
40 05 23 43-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	163.79	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	108.91	17.50
		For Work In Restricted Working Space, Add	*8.51*	
40 05 23 43-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	194.90	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	217.04	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0082	EA	1" Globe Valve, Stainless Steel Type 304	316.19	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0083		Check Valves *(40 05 23 43-0070)*		
40 05 23 43-0084	EA	1/4" Check Valve, Stainless Steel Type 304	228.60	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0085	EA	3/8" Check Valve, Stainless Steel Type 304	230.01	17.50
		For Work In Restricted Working Space, Add	*8.51*	
40 05 23 43-0086	EA	1/2" Check Valve, Stainless Steel Type 304	152.12	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0087	EA	3/4" Check Valve, Stainless Steel Type 304	159.51	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0088	EA	1" Check Valve, Stainless Steel Type 304	177.35	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0089		Plug Valves *(40 05 23 43-0070)*		
40 05 23 43-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	353.42	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	387.09	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0092	EA	1" Plug Valve, Stainless Steel Type 304	438.88	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	608.51	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0094	EA	2" Plug Valve, Stainless Steel Type 304	792.71	46.30
		For Work In Restricted Working Space, Add	*27.78*	
40 05 23 43-0095		Type 316 Tubing *(40 05 23 43-0011)*		
40 05 23 43-0096		0.035" Wall *(40 05 23 43-0095)*		
40 05 23 43-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	6.67	2.50
		For Work In Restricted Working Space, Add	*1.49*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	8.61	2.96
		For Work In Restricted Working Space, Add	*1.79*	
40 05 23 43-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	9.61	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	15.77	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	17.88	4.45
		For Work In Restricted Working Space, Add	*2.69*	
40 05 23 43-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	22.51	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	23.84	6.02
		For Work In Restricted Working Space, Add	*3.58*	

40 05 23 43-0104 0.049" Wall *(40 05 23 43-0095)*

40 05 23 43-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	11.30	2.96
		For Work In Restricted Working Space, Add	*1.79*	
40 05 23 43-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	12.58	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	14.79	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	19.23	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	22.27	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	28.24	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	29.05	7.87
		For Work In Restricted Working Space, Add	*4.75*	

40 05 23 43-0112 0.065" Wall *(40 05 23 43-0095)*

40 05 23 43-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	13.21	3.52
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	14.75	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	18.50	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.06	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	26.67	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	29.44	7.87
		For Work In Restricted Working Space, Add	*4.75*	
40 05 23 43-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	34.21	8.89
		For Work In Restricted Working Space, Add	*5.34*	

40 05 23 43-0120 Type 316 Tube Fittings *(40 05 23 43-0011)*

40 05 23 43-0121 90 Degree Elbows *(40 05 23 43-0120)*

40 05 23 43-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	52.01	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	62.27	10.93
		For Work In Restricted Working Space, Add	*6.54*	
40 05 23 43-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	97.27	12.32
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 43-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	103.36	13.80
		For Work In Restricted Working Space, Add	*8.29*	
40 05 23 43-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	116.06	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	161.83	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	207.26	19.72
		For Work In Restricted Working Space, Add	*11.82*	

40 05 23 43-0129 Union Tees *(40 05 23 43-0120)*

40 05 23 43-0130	EA	1/4" Union Tee, Stainless Steel Type 316	83.26	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0131	EA	3/8" Union Tee, Stainless Steel Type 316	102.34	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0132	EA	1/2" Union Tee, Stainless Steel Type 316	143.30	18.52
		For Work In Restricted Working Space, Add	*11.11*	
40 05 23 43-0133	EA	5/8" Union Tee, Stainless Steel Type 316	153.23	21.02
		For Work In Restricted Working Space, Add	*12.63*	
40 05 23 43-0134	EA	3/4" Union Tee, Stainless Steel Type 316	199.41	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0135	EA	7/8" Union Tee, Stainless Steel Type 316	326.07	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0136	EA	1" Union Tee, Stainless Steel Type 316	390.90	29.91
		For Work In Restricted Working Space, Add	*17.92*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137		**Unions** *(40 05 23 43-0120)*		
40 05 23 43-0138	EA	1/4" Union, Stainless Steel Type 316	54.99	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0139	EA	3/8" Union, Stainless Steel Type 316	69.71	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0140	EA	1/2" Union, Stainless Steel Type 316	92.17	18.52
		For Work In Restricted Working Space, Add	*11.11*	
40 05 23 43-0141	EA	5/8" Union, Stainless Steel Type 316	111.53	21.02
		For Work In Restricted Working Space, Add	*12.63*	
40 05 23 43-0142	EA	3/4" Union, Stainless Steel Type 316	131.71	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0143	EA	7/8" Union, Stainless Steel Type 316	197.31	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0144	EA	1" Union, Stainless Steel Type 316	211.71	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0145		**Male Connectors** *(40 05 23 43-0120)*		
40 05 23 43-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	36.66	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	47.09	10.93
		For Work In Restricted Working Space, Add	*6.54*	
40 05 23 43-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	62.55	12.32
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 43-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	70.56	13.80
		For Work In Restricted Working Space, Add	*8.29*	
40 05 23 43-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	86.75	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	135.66	16.57
		For Work In Restricted Working Space, Add	*9.92*	
40 05 23 43-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	140.08	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0153		**Type 316 Valves** *(40 05 23 43-0011)*		
40 05 23 43-0154		**Gate Valves** *(40 05 23 43-0153)*		
40 05 23 43-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	205.04	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	349.48	17.50
		For Work In Restricted Working Space, Add	*8.51*	
40 05 23 43-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	360.51	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	399.28	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0159	EA	1" Gate Valve, Stainless Steel Type 316	362.25	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	496.82	31.02
		For Work In Restricted Working Space, Add	*18.61*	
40 05 23 43-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	796.86	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0162	EA	2" Gate Valve, Stainless Steel Type 316	948.28	46.30
		For Work In Restricted Working Space, Add	*27.78*	
40 05 23 43-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	1,414.63	148.25
		For Work In Restricted Working Space, Add	*88.92*	
40 05 23 43-0164		**Globe Valves** *(40 05 23 43-0153)*		
40 05 23 43-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	207.96	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	134.91	17.50
		For Work In Restricted Working Space, Add	*8.51*	
40 05 23 43-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	245.10	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	272.53	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0169	EA	1" Globe Valve, Stainless Steel Type 316	398.99	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	497.76	30.83
		For Work In Restricted Working Space, Add	*18.47*	
40 05 23 43-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	826.03	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0172	EA	2" Globe Valve, Stainless Steel Type 316	977.45	46.30
		For Work In Restricted Working Space, Add	*27.78*	
40 05 23 43-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,229.88	148.25
		For Work In Restricted Working Space, Add	*88.92*	
40 05 23 43-0174		**Check Valves** *(40 05 23 43-0153)*		
40 05 23 43-0175	EA	1/4" Check Valve, Stainless Steel Type 316	293.70	14.91
		For Work In Restricted Working Space, Add	*8.09*	
40 05 23 43-0176	EA	3/8" Check Valve, Stainless Steel Type 316	295.11	17.50
		For Work In Restricted Working Space, Add	*8.51*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177	EA	1/2" Check Valve, Stainless Steel Type 316	188.51	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0178	EA	3/4" Check Valve, Stainless Steel Type 316	196.43	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0179	EA	1" Check Valve, Stainless Steel Type 316	215.32	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	297.16	31.02
		For Work In Restricted Working Space, Add	*18.61*	
40 05 23 43-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	660.73	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0182	EA	2" Check Valve, Stainless Steel Type 316	802.43	46.30
		For Work In Restricted Working Space, Add	*27.78*	
40 05 23 43-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	1,592.90	148.25
		For Work In Restricted Working Space, Add	*88.92*	

40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 43-0153)*

40 05 23 43-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	315.84	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	368.92	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	470.59	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	749.18	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,046.83	46.30
		For Work In Restricted Working Space, Add	*27.78*	

40 05 23 43-0190 Diaphragm Valves, Teflon Lined *(40 05 23 43-0153)*

40 05 23 43-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	418.07	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	480.63	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	582.30	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	906.32	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,234.27	46.30
		For Work In Restricted Working Space, Add	*27.78*	

40 05 23 43-0196 Strainers *(40 05 23 43-0153)*

40 05 23 43-0197	EA	1/2" Strainer, Stainless Steel Type 316	419.06	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0198	EA	3/4" Strainer, Stainless Steel Type 316	501.46	22.68
		For Work In Restricted Working Space, Add	*13.61*	
40 05 23 43-0199	EA	1" Strainer, Stainless Steel Type 316	656.14	30.10
		For Work In Restricted Working Space, Add	*18.06*	
40 05 23 43-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	814.47	31.02
		For Work In Restricted Working Space, Add	*18.62*	
40 05 23 43-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,022.07	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0202	EA	2" Strainer, Stainless Steel Type 316	1,473.86	46.30
		For Work In Restricted Working Space, Add	*27.78*	
40 05 23 43-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,025.40	61.58
		For Work In Restricted Working Space, Add	*36.95*	
40 05 23 43-0204	EA	3" Strainer, Stainless Steel Type 316	2,949.67	92.60
		For Work In Restricted Working Space, Add	*55.56*	
40 05 23 43-0205	EA	4" Strainer, Stainless Steel Type 316	3,776.86	148.16
		For Work In Restricted Working Space, Add	*88.89*	

40 05 23 43-0206 Plug Valves *(40 05 23 43-0153)*

40 05 23 43-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	446.50	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	488.45	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0209	EA	1" Plug Valve, Stainless Steel Type 316	551.26	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	768.85	33.80
		For Work In Restricted Working Space, Add	*20.28*	
40 05 23 43-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,000.24	46.30
		For Work In Restricted Working Space, Add	*27.78*	

40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 43-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 43-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	18.51
40 05 23 43-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	20.00
40 05 23 43-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	22.49
40 05 23 43-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	23.60

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	24.99	
40 05 23 43-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	26.84	
40 05 23 43-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	28.70	
40 05 23 43-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	31.48	
40 05 23 43-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	34.25	
40 05 23 43-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	37.03	
40 05 23 43-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	39.81	
40 05 23 43-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	43.51	
40 05 23 43-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	47.21	
40 05 23 43-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	50.91	
40 05 23 43-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	54.61	
40 05 23 43-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	57.39	
40 05 23 43-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	60.17	
40 05 23 43-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	63.87	

40 05 23 43-0231 Stainless Steel Pipe And Fittings *(40 05 23 43)*

40 05 23 43-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings *(40 05 23 43-0231)*

40 05 23 43-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 43-0232)*

40 05 23 43-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	13.61	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	16.75	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	20.58	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.72	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	28.60	7.87
		For Work In Restricted Working Space, Add	*4.75*	
40 05 23 43-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	36.51	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	49.37	11.85
		For Work In Restricted Working Space, Add	*7.12*	
40 05 23 43-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	62.07	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	83.98	19.72
		For Work In Restricted Working Space, Add	*11.82*	

40 05 23 43-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 43-0232)*

40 05 23 43-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	31.53	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	41.79	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	53.51	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	74.51	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	88.40	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	107.47	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	177.10	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	228.15	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	303.54	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 43-0232)*

40 05 23 43-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	31.92	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	42.41	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	53.71	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	74.43	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	87.48	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	107.26	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	181.25	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	236.24	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	312.97	123.43
		For Work In Restricted Working Space, Add	*74.08*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0263		150#, Type 304 Stainless Steel Threaded Tees *(40 05 23 43-0232)*			
40 05 23 43-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee		47.43	22.59
		For Work In Restricted Working Space, Add		*13.55*	
40 05 23 43-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee		63.32	29.91
		For Work In Restricted Working Space, Add		*17.92*	
40 05 23 43-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee		78.64	37.04
		For Work In Restricted Working Space, Add		*22.22*	
40 05 23 43-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee		111.96	51.48
		For Work In Restricted Working Space, Add		*30.87*	
40 05 23 43-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee		127.03	57.87
		For Work In Restricted Working Space, Add		*34.73*	
40 05 23 43-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee		168.82	77.13
		For Work In Restricted Working Space, Add		*46.30*	
40 05 23 43-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee		254.20	111.58
		For Work In Restricted Working Space, Add		*66.94*	
40 05 23 43-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee		343.48	149.37
		For Work In Restricted Working Space, Add		*89.61*	
40 05 23 43-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee		451.25	185.20
		For Work In Restricted Working Space, Add		*111.12*	
40 05 23 43-0273		150#, Type 304 Stainless Steel Threaded Reducers *(40 05 23 43-0232)*			
40 05 23 43-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer		41.50	19.72
		For Work In Restricted Working Space, Add		*11.82*	
40 05 23 43-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer		52.91	25.01
		For Work In Restricted Working Space, Add		*15.02*	
40 05 23 43-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer		72.77	34.26
		For Work In Restricted Working Space, Add		*20.58*	
40 05 23 43-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer		86.53	40.28
		For Work In Restricted Working Space, Add		*24.16*	
40 05 23 43-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer		107.51	48.71
		For Work In Restricted Working Space, Add		*29.24*	
40 05 23 43-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer		175.88	77.13
		For Work In Restricted Working Space, Add		*46.30*	
40 05 23 43-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer		229.82	99.54
		For Work In Restricted Working Space, Add		*59.74*	
40 05 23 43-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer		297.75	123.43
		For Work In Restricted Working Space, Add		*74.08*	
40 05 23 43-0282		150#, Type 304 Stainless Steel Threaded Caps *(40 05 23 43-0232)*			
40 05 23 43-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap		16.04	7.50
		For Work In Restricted Working Space, Add		*4.48*	
40 05 23 43-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap		21.30	10.00
		For Work In Restricted Working Space, Add		*5.97*	
40 05 23 43-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap		26.77	12.32
		For Work In Restricted Working Space, Add		*7.41*	
40 05 23 43-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap		38.70	17.50
		For Work In Restricted Working Space, Add		*10.48*	
40 05 23 43-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap		44.35	19.72
		For Work In Restricted Working Space, Add		*11.82*	
40 05 23 43-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap		56.34	25.01
		For Work In Restricted Working Space, Add		*15.02*	
40 05 23 43-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap		85.43	37.04
		For Work In Restricted Working Space, Add		*22.22*	
40 05 23 43-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap		113.16	48.71
		For Work In Restricted Working Space, Add		*29.24*	
40 05 23 43-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap		150.02	61.77
		For Work In Restricted Working Space, Add		*37.04*	
40 05 23 43-0292		150#, Type 304 Stainless Steel Threaded Unions *(40 05 23 43-0232)*			
40 05 23 43-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union		49.84	22.59
		For Work In Restricted Working Space, Add		*13.55*	
40 05 23 43-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union		65.66	29.91
		For Work In Restricted Working Space, Add		*17.92*	
40 05 23 43-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union		83.01	37.04
		For Work In Restricted Working Space, Add		*22.22*	
40 05 23 43-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union		118.39	51.48
		For Work In Restricted Working Space, Add		*30.87*	
40 05 23 43-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union		133.27	57.87
		For Work In Restricted Working Space, Add		*34.73*	
40 05 23 43-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union		175.31	77.13
		For Work In Restricted Working Space, Add		*46.30*	
40 05 23 43-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union		288.32	115.75
		For Work In Restricted Working Space, Add		*69.45*	
40 05 23 43-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union		370.28	149.37
		For Work In Restricted Working Space, Add		*89.62*	
40 05 23 43-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union		363.11	123.48
		For Work In Restricted Working Space, Add		*74.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0302		**150#, Type 304 Stainless Steel Threaded Couplings** *(40 05 23 43-0232)*		
40 05 23 43-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	31.37	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	41.57	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	53.34	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	73.82	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	86.74	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	106.23	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	173.56	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	224.00	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	285.57	123.43
		For Work In Restricted Working Space, Add	*74.08*	
40 05 23 43-0312		**Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings** *(40 05 23 43-0231)*		
40 05 23 43-0313		**Type 316, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 43-0312)*		
40 05 23 43-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	16.60	3.98
		For Work In Restricted Working Space, Add	*2.39*	
40 05 23 43-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	19.70	5.00
		For Work In Restricted Working Space, Add	*2.99*	
40 05 23 43-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	24.82	6.02
		For Work In Restricted Working Space, Add	*3.58*	
40 05 23 43-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	30.27	6.94
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	35.16	7.87
		For Work In Restricted Working Space, Add	*4.75*	
40 05 23 43-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	45.31	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	61.66	11.85
		For Work In Restricted Working Space, Add	*7.12*	
40 05 23 43-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	80.39	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	107.83	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0323		**150#, Type 316 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 43-0312)*		
40 05 23 43-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	32.03	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	42.53	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	53.97	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	75.33	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	89.50	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	108.82	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	179.27	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	233.45	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	309.98	123.43
		For Work In Restricted Working Space, Add	*74.08*	
40 05 23 43-0333		**150#, Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 43-0312)*		
40 05 23 43-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	32.44	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	42.79	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	54.27	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	75.24	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	88.43	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	108.53	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	183.29	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	240.93	99.54
		For Work In Restricted Working Space, Add	*59.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	325.62	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 43-0312)*

40 05 23 43-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	47.96	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	63.87	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	79.25	37.04
		For Work In Restricted Working Space, Add	*22.22*	
40 05 23 43-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	113.20	51.48
		For Work In Restricted Working Space, Add	*30.87*	
40 05 23 43-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	128.26	57.87
		For Work In Restricted Working Space, Add	*34.73*	
40 05 23 43-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	170.43	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	260.77	111.58
		For Work In Restricted Working Space, Add	*66.94*	
40 05 23 43-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	352.44	149.37
		For Work In Restricted Working Space, Add	*89.61*	
40 05 23 43-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	457.94	185.20
		For Work In Restricted Working Space, Add	*111.12*	

40 05 23 43-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 43-0312)*

40 05 23 43-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	41.96	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	54.26	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	73.03	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	87.87	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	109.85	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	181.19	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	235.69	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	307.53	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 43-0312)*

40 05 23 43-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	16.34	7.50
		For Work In Restricted Working Space, Add	*4.48*	
40 05 23 43-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	21.52	10.00
		For Work In Restricted Working Space, Add	*5.97*	
40 05 23 43-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap	27.16	12.32
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 43-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	39.80	17.50
		For Work In Restricted Working Space, Add	*10.48*	
40 05 23 43-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	45.65	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap	58.04	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	88.24	37.04
		For Work In Restricted Working Space, Add	*22.22*	
40 05 23 43-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap	116.01	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap	155.67	61.77
		For Work In Restricted Working Space, Add	*37.04*	

40 05 23 43-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 43-0312)*

40 05 23 43-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	50.48	22.59
		For Work In Restricted Working Space, Add	*13.55*	
40 05 23 43-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	68.08	29.91
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union	84.24	37.04
		For Work In Restricted Working Space, Add	*22.22*	
40 05 23 43-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	120.47	51.48
		For Work In Restricted Working Space, Add	*30.87*	
40 05 23 43-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	135.70	57.87
		For Work In Restricted Working Space, Add	*34.73*	
40 05 23 43-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union	178.13	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	292.64	115.75
		For Work In Restricted Working Space, Add	*69.45*	
40 05 23 43-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union	383.73	149.37
		For Work In Restricted Working Space, Add	*89.62*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union	391.79	123.48
		For Work In Restricted Working Space, Add	*74.09*	

40 05 23 43-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 43-0312)*

40 05 23 43-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	32.39	14.91
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	42.04	19.72
		For Work In Restricted Working Space, Add	*11.82*	
40 05 23 43-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	53.79	25.01
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	74.54	34.26
		For Work In Restricted Working Space, Add	*20.58*	
40 05 23 43-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	87.59	40.28
		For Work In Restricted Working Space, Add	*24.16*	
40 05 23 43-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	107.42	48.71
		For Work In Restricted Working Space, Add	*29.24*	
40 05 23 43-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	177.70	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	229.33	99.54
		For Work In Restricted Working Space, Add	*59.74*	
40 05 23 43-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	293.56	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 43-0392)*

40 05 23 43-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	15.08	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 43-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	17.96	4.75
		For Work In Restricted Working Space, Add	*2.85*	
40 05 23 43-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	23.74	5.60
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 43-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	29.02	6.99
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	32.28	7.84
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	39.93	9.75
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	47.69	11.12
		For Work In Restricted Working Space, Add	*6.66*	
40 05 23 43-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	56.24	12.51
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 43-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	70.57	14.83
		For Work In Restricted Working Space, Add	*8.87*	
40 05 23 43-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	102.83	19.49
		For Work In Restricted Working Space, Add	*11.66*	
40 05 23 43-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	170.44	33.84
		For Work In Restricted Working Space, Add	*21.74*	
40 05 23 43-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	217.68	37.20
		For Work In Restricted Working Space, Add	*23.91*	
40 05 23 43-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	260.53	41.36
		For Work In Restricted Working Space, Add	*26.57*	
40 05 23 43-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	320.50	46.49
		For Work In Restricted Working Space, Add	*29.89*	
40 05 23 43-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	352.91	53.14
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	395.41	61.99
		For Work In Restricted Working Space, Add	*39.86*	
40 05 23 43-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	548.95	74.39
		For Work In Restricted Working Space, Add	*47.83*	
40 05 23 43-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	715.90	93.00
		For Work In Restricted Working Space, Add	*59.78*	

40 05 23 43-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 43-0392)*

40 05 23 43-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	101.30	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	107.35	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	118.22	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	128.97	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	142.44	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	159.04	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	205.88	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	241.45	103.66
		For Work In Restricted Working Space, Add	*69.11*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	293.86	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	393.02	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	658.49	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	950.35	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,433.31	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,690.09	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,973.31	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,489.40	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,473.58	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,981.60	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 43-0392)*

40 05 23 43-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	102.18	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	108.23	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	119.28	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	130.38	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	142.62	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	159.04	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	205.00	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	239.86	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	290.87	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	377.35	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	628.28	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	896.56	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,348.15	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,585.56	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,844.31	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,319.99	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,244.98	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,657.32	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 43-0392)*

40 05 23 43-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	134.64	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 43-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	163.09	69.04
		For Work In Restricted Working Space, Add	*46.02*	
40 05 23 43-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	182.04	77.56
		For Work In Restricted Working Space, Add	*51.71*	
40 05 23 43-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	207.30	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	220.66	94.94
		For Work In Restricted Working Space, Add	*63.29*	
40 05 23 43-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	240.50	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	305.03	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	364.55	155.49
		For Work In Restricted Working Space, Add	*103.66*	
40 05 23 43-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	416.32	174.51
		For Work In Restricted Working Space, Add	*116.34*	
40 05 23 43-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	592.94	232.68
		For Work In Restricted Working Space, Add	*155.12*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	938.00	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	1,433.31	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	1,832.61	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	2,244.09	769.73
		For Work In Restricted Working Space, Add	*513.15*	
40 05 23 43-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	2,722.06	938.98
		For Work In Restricted Working Space, Add	*625.98*	
40 05 23 43-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	3,464.19	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	4,618.08	1,573.20
		For Work In Restricted Working Space, Add	*1,048.80*	
40 05 23 43-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	6,941.72	2,391.26
		For Work In Restricted Working Space, Add	*1,594.18*	

40 05 23 43-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0392)*

40 05 23 43-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	121.66	46.98
		For Work In Restricted Working Space, Add	*31.32*	
40 05 23 43-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	145.18	57.57
		For Work In Restricted Working Space, Add	*38.38*	
40 05 23 43-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	175.24	64.69
		For Work In Restricted Working Space, Add	*43.13*	
40 05 23 43-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	185.52	73.74
		For Work In Restricted Working Space, Add	*49.16*	
40 05 23 43-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	195.63	79.23
		For Work In Restricted Working Space, Add	*52.83*	
40 05 23 43-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	244.88	86.36
		For Work In Restricted Working Space, Add	*57.57*	
40 05 23 43-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	289.51	103.51
		For Work In Restricted Working Space, Add	*69.01*	
40 05 23 43-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	357.89	129.38
		For Work In Restricted Working Space, Add	*86.25*	
40 05 23 43-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	458.38	147.82
		For Work In Restricted Working Space, Add	*98.55*	
40 05 23 43-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	818.11	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,310.64	284.68
		For Work In Restricted Working Space, Add	*189.79*	
40 05 23 43-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,884.12	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,283.06	513.00
		For Work In Restricted Working Space, Add	*342.00*	
40 05 23 43-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,822.13	625.77
		For Work In Restricted Working Space, Add	*417.18*	
40 05 23 43-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,638.11	797.09
		For Work In Restricted Working Space, Add	*531.39*	
40 05 23 43-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,126.25	1,048.80
		For Work In Restricted Working Space, Add	*699.20*	
40 05 23 43-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,991.94	1,592.76
		For Work In Restricted Working Space, Add	*1,061.84*	

40 05 23 43-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 43-0392)*

40 05 23 43-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	100.92	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	110.85	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	122.89	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	131.51	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	143.85	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	189.75	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	214.86	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	251.27	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	323.23	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	504.10	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	638.73	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	857.40	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,200.75	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,396.64	510.96
		For Work In Restricted Working Space, Add	*340.64*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,725.79	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,397.43	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,484.75	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	
40 05 23 43-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	117.47	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	123.00	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	131.21	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	146.65	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	154.76	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	201.72	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	226.65	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	260.39	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	356.14	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	574.65	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	776.35	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	984.56	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,494.10	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,732.77	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,136.02	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,054.81	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,355.98	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	
40 05 23 43-0522		Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 43-0392)*		
40 05 23 43-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	54.62	22.13
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	59.57	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	65.44	25.80
		For Work In Restricted Working Space, Add	*17.20*	
40 05 23 43-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	71.92	28.13
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 43-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	77.65	31.06
		For Work In Restricted Working Space, Add	*20.71*	
40 05 23 43-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	84.36	34.55
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	109.19	44.23
		For Work In Restricted Working Space, Add	*29.48*	
40 05 23 43-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	124.51	51.83
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 43-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	149.84	62.04
		For Work In Restricted Working Space, Add	*41.36*	
40 05 23 43-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	192.04	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	319.85	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	426.03	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	629.89	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	738.44	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	853.39	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,076.04	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	1,490.11	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	2,182.63	854.02
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0541		Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*		
40 05 23 43-0542		Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 43-0541)*		

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	16.88	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 43-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	20.51	4.75
		For Work In Restricted Working Space, Add	*2.85*	
40 05 23 43-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	25.12	5.60
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 43-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	31.42	6.90
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	36.18	7.76
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	46.35	9.92
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	57.49	11.22
		For Work In Restricted Working Space, Add	*6.66*	
40 05 23 43-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	56.07	12.51
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 43-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	92.41	14.66
		For Work In Restricted Working Space, Add	*8.87*	
40 05 23 43-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	143.82	19.41
		For Work In Restricted Working Space, Add	*11.66*	
40 05 23 43-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	252.42	33.65
		For Work In Restricted Working Space, Add	*21.74*	
40 05 23 43-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	319.65	37.20
		For Work In Restricted Working Space, Add	*23.91*	
40 05 23 43-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	398.50	41.18
		For Work In Restricted Working Space, Add	*26.57*	

40 05 23 43-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 43-0541)*

40 05 23 43-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	102.01	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	108.06	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	118.75	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	129.35	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	142.79	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	160.27	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	210.45	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	248.14	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	305.12	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	465.00	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	756.58	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,149.37	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,691.44	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,003.23	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,375.59	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,048.35	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,163.48	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,965.86	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 43-0541)*

40 05 23 43-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	103.24	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	109.29	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	119.63	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	130.25	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	143.67	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	160.46	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	210.45	88.44
		For Work In Restricted Working Space, Add	*58.97*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	243.21	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	307.76	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	404.98	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	693.66	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	992.18	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,459.55	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,664.12	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,971.84	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,485.07	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,403.42	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,926.33	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 43-0541)*

40 05 23 43-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	135.34	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 43-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	163.79	69.04
		For Work In Restricted Working Space, Add	*46.02*	
40 05 23 43-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	182.74	77.56
		For Work In Restricted Working Space, Add	*51.71*	
40 05 23 43-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	209.09	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	221.36	94.94
		For Work In Restricted Working Space, Add	*63.29*	
40 05 23 43-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	241.38	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	307.41	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	368.24	155.49
		For Work In Restricted Working Space, Add	*103.66*	
40 05 23 43-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	420.37	174.51
		For Work In Restricted Working Space, Add	*116.34*	
40 05 23 43-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	620.92	232.68
		For Work In Restricted Working Space, Add	*155.12*	
40 05 23 43-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,021.06	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	1,688.22	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	2,101.39	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	2,785.68	769.73
		For Work In Restricted Working Space, Add	*513.15*	
40 05 23 43-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	3,512.75	938.98
		For Work In Restricted Working Space, Add	*625.98*	
40 05 23 43-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	4,537.74	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	5,877.34	1,573.20
		For Work In Restricted Working Space, Add	*1,048.80*	
40 05 23 43-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	8,986.91	2,391.26
		For Work In Restricted Working Space, Add	*1,594.18*	

40 05 23 43-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0541)*

40 05 23 43-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	123.95	46.98
		For Work In Restricted Working Space, Add	*31.32*	
40 05 23 43-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	147.47	57.57
		For Work In Restricted Working Space, Add	*38.38*	
40 05 23 43-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	186.25	64.69
		For Work In Restricted Working Space, Add	*43.13*	
40 05 23 43-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	188.86	73.74
		For Work In Restricted Working Space, Add	*49.16*	
40 05 23 43-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	195.63	79.23
		For Work In Restricted Working Space, Add	*52.83*	
40 05 23 43-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	233.63	86.36
		For Work In Restricted Working Space, Add	*57.57*	
40 05 23 43-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	264.69	103.51
		For Work In Restricted Working Space, Add	*69.01*	
40 05 23 43-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	344.87	129.38
		For Work In Restricted Working Space, Add	*86.25*	
40 05 23 43-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	460.49	147.82
		For Work In Restricted Working Space, Add	*98.55*	
40 05 23 43-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	743.41	213.50
		For Work In Restricted Working Space, Add	*142.34*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,334.01	284.68
		For Work In Restricted Working Space, Add	*189.79*	
40 05 23 43-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,930.88	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,217.45	513.00
		For Work In Restricted Working Space, Add	*342.00*	
40 05 23 43-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,739.96	625.77
		For Work In Restricted Working Space, Add	*417.18*	
40 05 23 43-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,530.96	797.09
		For Work In Restricted Working Space, Add	*531.39*	
40 05 23 43-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,965.78	1,048.80
		For Work In Restricted Working Space, Add	*699.20*	
40 05 23 43-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,736.38	1,592.76
		For Work In Restricted Working Space, Add	*1,061.84*	

40 05 23 43-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 43-0541)*

40 05 23 43-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	102.68	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	112.61	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	123.02	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	133.27	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	144.90	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	189.75	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	208.52	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	242.26	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	324.64	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	533.99	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	690.05	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	903.21	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,303.55	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,525.87	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,987.48	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,706.11	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,804.42	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	
40 05 23 43-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	118.18	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	126.69	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	143.88	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	153.16	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	164.79	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	201.72	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	248.48	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	275.18	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	370.75	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	576.18	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	775.02	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,053.75	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,672.55	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,898.29	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,469.28	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,219.28	854.03
		For Work In Restricted Working Space, Add	*569.35*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	5,084.97	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	

40 05 23 43-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 43-0541)*

40 05 23 43-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	55.14	22.13
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	59.04	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	65.96	25.80
		For Work In Restricted Working Space, Add	*17.20*	
40 05 23 43-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	74.28	28.13
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 43-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	79.94	31.06
		For Work In Restricted Working Space, Add	*20.71*	
40 05 23 43-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	84.18	34.55
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	108.01	44.23
		For Work In Restricted Working Space, Add	*29.48*	
40 05 23 43-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	125.21	51.83
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 43-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	151.95	62.04
		For Work In Restricted Working Space, Add	*41.36*	
40 05 23 43-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	205.06	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	340.76	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	455.60	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	686.25	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	790.06	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	924.40	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,160.20	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	1,602.34	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	2,370.28	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 43-0685)*

40 05 23 43-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	17.37	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 43-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	20.61	4.75
		For Work In Restricted Working Space, Add	*2.85*	
40 05 23 43-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	27.68	5.60
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 43-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	33.73	6.99
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	37.46	7.84
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	46.33	9.75
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	55.66	11.12
		For Work In Restricted Working Space, Add	*6.66*	
40 05 23 43-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	66.00	12.51
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 43-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	83.37	14.83
		For Work In Restricted Working Space, Add	*8.87*	
40 05 23 43-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	122.82	19.49
		For Work In Restricted Working Space, Add	*11.66*	
40 05 23 43-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	201.03	33.84
		For Work In Restricted Working Space, Add	*21.74*	
40 05 23 43-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	260.76	37.20
		For Work In Restricted Working Space, Add	*23.91*	
40 05 23 43-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	314.23	41.36
		For Work In Restricted Working Space, Add	*26.57*	
40 05 23 43-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	389.48	46.49
		For Work In Restricted Working Space, Add	*29.89*	
40 05 23 43-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	427.56	53.14
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	477.41	61.99
		For Work In Restricted Working Space, Add	*39.86*	
40 05 23 43-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	670.60	74.39
		For Work In Restricted Working Space, Add	*47.83*	
40 05 23 43-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	877.23	93.00
		For Work In Restricted Working Space, Add	*59.78*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0705		**Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 43-0685)*		
40 05 23 43-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	102.18	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	108.23	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	119.28	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	130.50	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	143.50	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	160.27	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	208.17	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	244.79	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	298.96	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	406.39	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	683.40	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,007.94	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,511.82	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,763.97	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,090.16	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,629.52	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,673.74	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,279.02	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	
40 05 23 43-0724		**Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 43-0685)*		
40 05 23 43-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	103.24	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	109.29	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	120.33	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	131.91	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	143.50	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	160.27	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	207.11	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	243.21	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	295.27	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	384.57	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	644.24	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	992.18	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,459.55	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,714.98	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,000.36	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,523.76	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,578.72	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,152.46	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	
40 05 23 43-0743		**Type 316, Schedule 10 Stainless Steel Butt Weld Tees** *(40 05 23 43-0685)*		
40 05 23 43-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	136.93	56.23
		For Work In Restricted Working Space, Add	*37.49*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	165.38	69.04
		For Work In Restricted Working Space, Add	*46.02*	
40 05 23 43-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	184.33	77.56
		For Work In Restricted Working Space, Add	*51.71*	
40 05 23 43-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	211.53	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	224.00	94.94
		For Work In Restricted Working Space, Add	*63.29*	
40 05 23 43-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	243.50	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	295.44	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	370.36	155.49
		For Work In Restricted Working Space, Add	*103.66*	
40 05 23 43-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	424.24	174.51
		For Work In Restricted Working Space, Add	*116.34*	
40 05 23 43-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	615.64	232.68
		For Work In Restricted Working Space, Add	*155.12*	
40 05 23 43-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	997.68	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	1,547.93	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	1,984.48	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	2,525.69	769.73
		For Work In Restricted Working Space, Add	*513.15*	
40 05 23 43-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	2,994.77	938.98
		For Work In Restricted Working Space, Add	*625.98*	
40 05 23 43-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	3,807.31	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	5,118.45	1,573.20
		For Work In Restricted Working Space, Add	*1,048.80*	
40 05 23 43-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	7,380.57	2,391.26
		For Work In Restricted Working Space, Add	*1,594.18*	

40 05 23 43-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0685)*

40 05 23 43-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	127.11	46.98
		For Work In Restricted Working Space, Add	*31.32*	
40 05 23 43-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	151.69	57.57
		For Work In Restricted Working Space, Add	*38.38*	
40 05 23 43-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	183.17	64.69
		For Work In Restricted Working Space, Add	*43.13*	
40 05 23 43-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	190.97	73.74
		For Work In Restricted Working Space, Add	*49.16*	
40 05 23 43-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	203.19	79.23
		For Work In Restricted Working Space, Add	*52.83*	
40 05 23 43-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	267.76	86.36
		For Work In Restricted Working Space, Add	*57.57*	
40 05 23 43-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	268.92	103.51
		For Work In Restricted Working Space, Add	*69.01*	
40 05 23 43-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	357.89	129.38
		For Work In Restricted Working Space, Add	*86.25*	
40 05 23 43-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	490.94	147.82
		For Work In Restricted Working Space, Add	*98.55*	
40 05 23 43-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	912.78	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,626.36	284.68
		For Work In Restricted Working Space, Add	*189.79*	
40 05 23 43-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,153.08	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,461.26	513.00
		For Work In Restricted Working Space, Add	*342.00*	
40 05 23 43-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,045.30	625.77
		For Work In Restricted Working Space, Add	*417.18*	
40 05 23 43-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,929.14	797.09
		For Work In Restricted Working Space, Add	*531.39*	
40 05 23 43-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,562.06	1,048.80
		For Work In Restricted Working Space, Add	*699.20*	
40 05 23 43-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,686.06	1,592.76
		For Work In Restricted Working Space, Add	*1,061.84*	

40 05 23 43-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 43-0685)*

40 05 23 43-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	102.51	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	112.79	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	125.71	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	132.74	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	144.90	62.12
		For Work In Restricted Working Space, Add	*41.41*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	189.01	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	219.08	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	243.52	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	331.86	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	513.12	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	659.84	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	882.31	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,235.05	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,429.12	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,773.53	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,471.20	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,615.54	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	
40 05 23 43-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	116.19	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	129.04	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	144.97	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	155.27	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	158.81	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	208.23	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	238.80	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	270.25	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	377.79	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	612.67	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	831.28	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,060.21	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,572.42	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,836.88	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,280.15	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,281.44	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,577.76	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	

40 05 23 43-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 43-0685)*

40 05 23 43-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	56.90	22.13
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	62.56	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	68.60	25.80
		For Work In Restricted Working Space, Add	*17.20*	
40 05 23 43-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	74.98	28.13
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 43-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	81.35	31.06
		For Work In Restricted Working Space, Add	*20.71*	
40 05 23 43-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	86.47	34.55
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	108.52	44.23
		For Work In Restricted Working Space, Add	*29.48*	
40 05 23 43-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	128.20	51.83
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 43-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	153.53	62.04
		For Work In Restricted Working Space, Add	*41.36*	
40 05 23 43-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	198.55	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	331.44	128.10
		For Work In Restricted Working Space, Add	*85.40*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	440.11	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	650.49	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	757.01	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	869.08	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,094.02	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	1,518.79	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	2,270.93	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 43-0834)*

40 05 23 43-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	19.93	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 43-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	24.20	4.75
		For Work In Restricted Working Space, Add	*2.85*	
40 05 23 43-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	29.80	5.60
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 43-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	37.27	6.90
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 43-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	43.03	7.76
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	55.35	9.92
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	69.30	11.22
		For Work In Restricted Working Space, Add	*6.66*	
40 05 23 43-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	66.46	12.51
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 43-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	113.43	14.66
		For Work In Restricted Working Space, Add	*8.87*	
40 05 23 43-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	178.94	19.41
		For Work In Restricted Working Space, Add	*11.66*	
40 05 23 43-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	312.62	33.65
		For Work In Restricted Working Space, Add	*21.74*	
40 05 23 43-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	399.92	37.20
		For Work In Restricted Working Space, Add	*23.91*	
40 05 23 43-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	502.17	41.18
		For Work In Restricted Working Space, Add	*26.57*	

40 05 23 43-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 43-0834)*

40 05 23 43-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	103.06	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	109.11	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	120.16	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	130.89	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	144.38	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	162.38	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	214.68	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	253.94	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	319.03	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	476.79	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	818.16	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,302.56	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,868.22	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,100.36	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,529.34	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,221.82	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,370.39	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,330.58	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 43-0834)*

40 05 23 43-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	104.82	44.24
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	110.87	46.96
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	121.21	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	131.40	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	145.43	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	162.38	69.11
		For Work In Restricted Working Space, Add	*46.07*	
40 05 23 43-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	214.68	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	247.08	103.66
		For Work In Restricted Working Space, Add	*69.11*	
40 05 23 43-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	306.00	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	423.29	155.00
		For Work In Restricted Working Space, Add	*103.33*	
40 05 23 43-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	723.89	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,085.31	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,577.39	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,799.36	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,035.51	681.92
		For Work In Restricted Working Space, Add	*454.61*	
40 05 23 43-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,607.04	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,559.43	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,247.58	1,708.05
		For Work In Restricted Working Space, Add	*1,138.70*	

40 05 23 43-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 43-0834)*

40 05 23 43-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	137.98	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 43-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	166.43	69.04
		For Work In Restricted Working Space, Add	*46.02*	
40 05 23 43-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	185.38	77.56
		For Work In Restricted Working Space, Add	*51.71*	
40 05 23 43-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	213.06	88.44
		For Work In Restricted Working Space, Add	*58.97*	
40 05 23 43-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	224.00	94.94
		For Work In Restricted Working Space, Add	*63.29*	
40 05 23 43-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	244.20	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	301.71	124.08
		For Work In Restricted Working Space, Add	*82.72*	
40 05 23 43-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	373.70	155.49
		For Work In Restricted Working Space, Add	*103.66*	
40 05 23 43-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	430.05	174.51
		For Work In Restricted Working Space, Add	*116.34*	
40 05 23 43-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	657.00	232.68
		For Work In Restricted Working Space, Add	*155.12*	
40 05 23 43-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,103.94	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	1,828.49	512.41
		For Work In Restricted Working Space, Add	*341.61*	
40 05 23 43-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	2,253.45	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	3,158.41	769.73
		For Work In Restricted Working Space, Add	*513.15*	
40 05 23 43-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	3,906.54	938.98
		For Work In Restricted Working Space, Add	*625.98*	
40 05 23 43-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	5,050.21	1,195.64
		For Work In Restricted Working Space, Add	*797.09*	
40 05 23 43-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	6,570.55	1,573.20
		For Work In Restricted Working Space, Add	*1,048.80*	
40 05 23 43-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	9,477.82	2,391.26
		For Work In Restricted Working Space, Add	*1,594.18*	

40 05 23 43-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0834)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	130.46	46.98
		For Work In Restricted Working Space, Add	*31.32*	
40 05 23 43-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	153.98	57.57
		For Work In Restricted Working Space, Add	*38.38*	
40 05 23 43-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	197.25	64.69
		For Work In Restricted Working Space, Add	*43.13*	
40 05 23 43-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	196.43	73.74
		For Work In Restricted Working Space, Add	*49.16*	
40 05 23 43-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	203.19	79.23
		For Work In Restricted Working Space, Add	*52.83*	
40 05 23 43-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	268.81	86.36
		For Work In Restricted Working Space, Add	*57.57*	
40 05 23 43-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	276.48	103.51
		For Work In Restricted Working Space, Add	*69.01*	
40 05 23 43-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	365.46	129.38
		For Work In Restricted Working Space, Add	*86.25*	
40 05 23 43-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	495.69	147.82
		For Work In Restricted Working Space, Add	*98.55*	
40 05 23 43-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	819.26	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,649.75	284.68
		For Work In Restricted Working Space, Add	*189.79*	
40 05 23 43-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,199.84	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,512.56	513.00
		For Work In Restricted Working Space, Add	*342.00*	
40 05 23 43-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,109.56	625.77
		For Work In Restricted Working Space, Add	*417.18*	
40 05 23 43-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,012.93	797.09
		For Work In Restricted Working Space, Add	*531.39*	
40 05 23 43-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,687.55	1,048.80
		For Work In Restricted Working Space, Add	*699.20*	
40 05 23 43-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,885.92	1,592.76
		For Work In Restricted Working Space, Add	*1,061.84*	

40 05 23 43-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 43-0834)*

40 05 23 43-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	105.32	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	115.60	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	126.99	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	135.91	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	146.84	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	195.20	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	212.22	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	245.96	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	333.09	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	549.95	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	729.21	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	932.11	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,329.91	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,530.07	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,025.70	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,740.93	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,956.14	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	
40 05 23 43-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	125.21	42.72
		For Work In Restricted Working Space, Add	*28.48*	
40 05 23 43-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	133.73	46.55
		For Work In Restricted Working Space, Add	*31.04*	
40 05 23 43-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	154.12	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	160.73	56.25
		For Work In Restricted Working Space, Add	*37.50*	
40 05 23 43-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	173.24	62.12
		For Work In Restricted Working Space, Add	*41.41*	
40 05 23 43-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	208.23	77.62
		For Work In Restricted Working Space, Add	*51.75*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	263.08	88.37
		For Work In Restricted Working Space, Add	*58.91*	
40 05 23 43-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	289.61	103.55
		For Work In Restricted Working Space, Add	*69.04*	
40 05 23 43-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	404.72	131.83
		For Work In Restricted Working Space, Add	*87.89*	
40 05 23 43-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	603.55	204.96
		For Work In Restricted Working Space, Add	*136.64*	
40 05 23 43-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	847.06	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,167.80	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,725.90	448.36
		For Work In Restricted Working Space, Add	*298.91*	
40 05 23 43-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,985.95	510.96
		For Work In Restricted Working Space, Add	*340.64*	
40 05 23 43-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,648.88	640.51
		For Work In Restricted Working Space, Add	*427.01*	
40 05 23 43-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,418.95	854.03
		For Work In Restricted Working Space, Add	*569.35*	
40 05 23 43-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,125.90	1,281.04
		For Work In Restricted Working Space, Add	*854.03*	

40 05 23 43-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 43-0834)*

40 05 23 43-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	57.26	22.13
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	62.39	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	68.96	25.80
		For Work In Restricted Working Space, Add	*17.20*	
40 05 23 43-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	78.24	28.13
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 43-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	78.71	31.06
		For Work In Restricted Working Space, Add	*20.71*	
40 05 23 43-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	88.93	34.55
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	111.72	44.23
		For Work In Restricted Working Space, Add	*29.48*	
40 05 23 43-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	128.73	51.83
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 43-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	157.41	62.04
		For Work In Restricted Working Space, Add	*41.36*	
40 05 23 43-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	214.74	77.62
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 43-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	361.86	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	484.87	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	723.69	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	827.95	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	932.63	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,187.07	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	1,635.93	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	2,499.04	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-0978 Valves *(40 05 23 43-0231)*

40 05 23 43-0979 Gate Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	487.22	44.45
		For Work In Restricted Working Space, Add	*16.67*	
		For Class 200, Deduct	*-115.47*	
		For Class 300, Add	*405.76*	
40 05 23 43-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	529.46	46.30
		For Work In Restricted Working Space, Add	*19.45*	
		For Class 200, Deduct	*-124.29*	
		For Class 300, Add	*436.76*	
40 05 23 43-0982	EA	1" Gate Valve, Stainless Steel, Flanged	652.70	69.45
		For Work In Restricted Working Space, Add	*26.21*	
		For Class 200, Deduct	*-151.23*	
		For Class 300, Add	*531.42*	
40 05 23 43-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	822.74	81.03
		For Work In Restricted Working Space, Add	*30.20*	
		For Class 200, Deduct	*-193.16*	
		For Class 300, Add	*678.76*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	927.94	101.99
		For Work In Restricted Working Space, Add	*38.25*	
		For Class 200, Deduct	*-214.12*	
		For Class 300, Add	*752.42*	
40 05 23 43-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,101.60	123.43
		For Work In Restricted Working Space, Add	*46.30*	
		For Class 200, Deduct	*-253.39*	
		For Class 300, Add	*890.43*	
40 05 23 43-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	1,581.62	134.27
		For Work In Restricted Working Space, Add	*50.51*	
		For Class 300, Add	*1,328.46*	
40 05 23 43-0987	EA	3" Gate Valve, Stainless Steel, Flanged	1,781.52	157.42
		For Work In Restricted Working Space, Add	*59.11*	
		For Class 300, Add	*1,489.43*	
40 05 23 43-0988	EA	4" Gate Valve, Stainless Steel, Flanged	2,357.66	263.90
		For Work In Restricted Working Space, Add	*99.21*	
		For Class 300, Add	*1,905.33*	
40 05 23 43-0989	EA	6" Gate Valve, Stainless Steel, Flanged	3,941.52	333.36
		For Work In Restricted Working Space, Add	*125.46*	
		For Class 300, Add	*3,311.93*	
40 05 23 43-0990	EA	8" Gate Valve, Stainless Steel, Flanged	8,591.91	425.96
		For Work In Restricted Working Space, Add	*158.74*	
		For Class 300, Add	*7,579.00*	
40 05 23 43-0991	EA	10" Gate Valve, Stainless Steel, Flanged	12,107.01	518.56
		For Work In Restricted Working Space, Add	*194.46*	
		For Class 300, Add	*10,771.29*	
40 05 23 43-0992	EA	12" Gate Valve, Stainless Steel, Flanged	18,224.63	629.68
		For Work In Restricted Working Space, Add	*235.71*	
		For Class 300, Add	*16,392.59*	

40 05 23 43-0993 Globe Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	665.34	44.45
		For Work In Restricted Working Space, Add	*16.67*	
		For Class 200, Deduct	*-163.12*	
		For Class 300, Add	*573.19*	
40 05 23 43-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	736.45	46.30
		For Work In Restricted Working Space, Add	*19.45*	
		For Class 200, Deduct	*-179.66*	
		For Class 300, Add	*631.33*	
40 05 23 43-0996	EA	1" Globe Valve, Stainless Steel, Flanged	918.06	69.45
		For Work In Restricted Working Space, Add	*26.21*	
		For Class 200, Deduct	*-222.21*	
		For Class 300, Add	*780.86*	
40 05 23 43-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,364.71	101.99
		For Work In Restricted Working Space, Add	*38.25*	
		For Class 200, Deduct	*-330.96*	
		For Class 300, Add	*1,162.99*	
40 05 23 43-0998	EA	2" Globe Valve, Stainless Steel, Flanged	1,665.52	123.43
		For Work In Restricted Working Space, Add	*46.30*	
		For Class 200, Deduct	*-404.24*	
		For Class 300, Add	*1,420.52*	
40 05 23 43-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	3,349.82	134.27
		For Work In Restricted Working Space, Add	*50.51*	
		For Class 300, Add	*2,990.56*	
40 05 23 43-1000	EA	3" Globe Valve, Stainless Steel, Flanged	3,466.84	157.42
		For Work In Restricted Working Space, Add	*59.11*	
		For Class 300, Add	*3,073.63*	
40 05 23 43-1001	EA	4" Globe Valve, Stainless Steel, Flanged	4,130.76	263.90
		For Work In Restricted Working Space, Add	*99.21*	
		For Class 300, Add	*3,572.05*	
40 05 23 43-1002	EA	6" Globe Valve, Stainless Steel, Flanged	7,620.62	333.36
		For Work In Restricted Working Space, Add	*125.46*	
		For Class 300, Add	*6,770.28*	

40 05 23 43-1003 Check Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	1,513.80	134.27
		For Work In Restricted Working Space, Add	*50.51*	
		For Class 300, Add	*1,264.70*	
40 05 23 43-1005	EA	3" Check Valve, Stainless Steel, Flanged	1,584.40	157.42
		For Work In Restricted Working Space, Add	*59.11*	
		For Class 300, Add	*1,304.14*	
40 05 23 43-1006	EA	4" Check Valve, Stainless Steel, Flanged	2,489.89	263.90
		For Work In Restricted Working Space, Add	*99.21*	
		For Class 300, Add	*2,029.63*	
40 05 23 43-1007	EA	6" Check Valve, Stainless Steel, Flanged	4,277.15	333.36
		For Work In Restricted Working Space, Add	*125.46*	
		For Class 300, Add	*3,627.42*	
40 05 23 43-1008	EA	8" Check Valve, Stainless Steel, Flanged	7,512.01	425.96
		For Work In Restricted Working Space, Add	*158.74*	
		For Class 300, Add	*6,563.90*	

40 05 23 43-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 43-0231)*

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	67.49	26.88
		For Work In Restricted Working Space, Add	*17.92*	
40 05 23 43-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	89.34	35.84
		For Work In Restricted Working Space, Add	*23.90*	
40 05 23 43-1012	EA	1", Stainless Steel Thread-o-let Fitting	110.32	44.45
		For Work In Restricted Working Space, Add	*29.63*	
40 05 23 43-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	157.67	62.89
		For Work In Restricted Working Space, Add	*41.93*	
40 05 23 43-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	175.52	70.93
		For Work In Restricted Working Space, Add	*47.29*	
40 05 23 43-1015	EA	2", Stainless Steel Thread-o-let Fitting	220.60	90.09
		For Work In Restricted Working Space, Add	*60.07*	
40 05 23 43-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	377.04	138.90
		For Work In Restricted Working Space, Add	*92.60*	
40 05 23 43-1017	EA	3", Stainless Steel Thread-o-let Fitting	498.27	177.32
		For Work In Restricted Working Space, Add	*118.21*	
40 05 23 43-1018	EA	4", Stainless Steel Thread-o-let Fitting	648.05	222.24
		For Work In Restricted Working Space, Add	*148.16*	

40 05 23 43-1019 Stainless Steel Flanges *(40 05 23 43-0231)*

40 05 23 43-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	45.47	14.93
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	57.15	19.91
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 43-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	68.79	24.69
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 43-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	94.49	34.95
		For Work In Restricted Working Space, Add	*20.97*	
40 05 23 43-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	103.41	39.40
		For Work In Restricted Working Space, Add	*23.64*	
40 05 23 43-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	132.34	50.05
		For Work In Restricted Working Space, Add	*30.03*	
40 05 23 43-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	199.37	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	244.15	157.42
		For Work In Restricted Working Space, Add	*59.11*	
40 05 23 43-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	311.38	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	54.48	14.93
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	64.43	19.91
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 43-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	73.98	24.69
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 43-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	107.67	34.95
		For Work In Restricted Working Space, Add	*20.97*	
40 05 23 43-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	116.59	39.40
		For Work In Restricted Working Space, Add	*23.64*	
40 05 23 43-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	145.85	50.05
		For Work In Restricted Working Space, Add	*30.03*	
40 05 23 43-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	229.53	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	274.98	157.42
		For Work In Restricted Working Space, Add	*59.11*	
40 05 23 43-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	358.86	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	64.75	22.12
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	69.50	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	77.44	25.80
		For Work In Restricted Working Space, Add	*17.21*	
40 05 23 43-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	91.33	28.15
		For Work In Restricted Working Space, Add	*18.77*	
40 05 23 43-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	97.72	31.02
		For Work In Restricted Working Space, Add	*20.69*	
40 05 23 43-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	108.68	34.56
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	146.39	44.19
		For Work In Restricted Working Space, Add	*29.46*	
40 05 23 43-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	167.66	51.74
		For Work In Restricted Working Space, Add	*34.50*	
40 05 23 43-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	211.23	62.00
		For Work In Restricted Working Space, Add	*41.33*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	298.96	77.46
		For Work In Restricted Working Space, Add	*51.64*	
40 05 23 43-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	499.51	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	696.62	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	1,064.14	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	1,307.23	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	1,596.74	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	1,968.19	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	2,598.34	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-1058	EA	24"", 150#, Type 304 Stainless Steel Weld Neck Flange	3,697.33	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	75.50	22.12
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	78.52	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	83.69	25.80
		For Work In Restricted Working Space, Add	*17.21*	
40 05 23 43-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	103.44	28.15
		For Work In Restricted Working Space, Add	*18.77*	
40 05 23 43-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	109.83	31.02
		For Work In Restricted Working Space, Add	*20.69*	
40 05 23 43-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	119.08	34.56
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	164.39	44.19
		For Work In Restricted Working Space, Add	*29.46*	
40 05 23 43-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	187.75	51.74
		For Work In Restricted Working Space, Add	*34.50*	
40 05 23 43-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	258.34	62.00
		For Work In Restricted Working Space, Add	*41.33*	
40 05 23 43-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	352.32	77.46
		For Work In Restricted Working Space, Add	*51.64*	
40 05 23 43-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	632.56	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	872.30	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,287.30	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,659.99	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,018.61	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,568.92	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,366.94	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,884.40	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	112.17	44.23
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	118.57	46.95
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	130.30	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	146.25	56.29
		For Work In Restricted Working Space, Add	*37.53*	
40 05 23 43-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	159.03	62.05
		For Work In Restricted Working Space, Add	*41.37*	
40 05 23 43-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	181.00	69.12
		For Work In Restricted Working Space, Add	*46.08*	
40 05 23 43-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	234.90	88.38
		For Work In Restricted Working Space, Add	*58.93*	
40 05 23 43-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	271.22	103.48
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 43-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	331.70	124.00
		For Work In Restricted Working Space, Add	*82.67*	
40 05 23 43-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	429.87	154.92
		For Work In Restricted Working Space, Add	*103.28*	
40 05 23 43-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	731.17	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,010.34	341.61
		For Work In Restricted Working Space, Add	*227.74*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,509.79	512.40
		For Work In Restricted Working Space, Add	*341.61*	

40 05 23 43-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	119.10	44.23
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	125.15	46.95
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	135.50	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	156.99	56.29
		For Work In Restricted Working Space, Add	*37.53*	
40 05 23 43-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	169.77	62.05
		For Work In Restricted Working Space, Add	*41.37*	
40 05 23 43-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	188.26	69.12
		For Work In Restricted Working Space, Add	*46.08*	
40 05 23 43-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	261.94	88.38
		For Work In Restricted Working Space, Add	*58.93*	
40 05 23 43-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	298.24	103.48
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 43-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	369.11	124.00
		For Work In Restricted Working Space, Add	*82.67*	
40 05 23 43-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	535.55	154.92
		For Work In Restricted Working Space, Add	*103.28*	
40 05 23 43-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	837.89	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,182.21	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,730.87	512.40
		For Work In Restricted Working Space, Add	*341.61*	

40 05 23 43-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	34.45	8.84
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	36.11	9.38
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 43-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	39.23	10.32
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 43-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	48.75	11.49
		For Work In Restricted Working Space, Add	*7.66*	
40 05 23 43-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	57.72	15.52
		For Work In Restricted Working Space, Add	*10.35*	
40 05 23 43-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	67.06	17.24
		For Work In Restricted Working Space, Add	*11.49*	
40 05 23 43-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	90.12	22.16
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 43-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	114.04	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 43-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	178.04	51.73
		For Work In Restricted Working Space, Add	*34.49*	
40 05 23 43-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	240.00	66.52
		For Work In Restricted Working Space, Add	*44.35*	
40 05 23 43-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	345.88	79.71
		For Work In Restricted Working Space, Add	*53.14*	
40 05 23 43-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	505.70	95.65
		For Work In Restricted Working Space, Add	*63.77*	
40 05 23 43-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	662.44	119.56
		For Work In Restricted Working Space, Add	*79.71*	
40 05 23 43-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	839.64	149.45
		For Work In Restricted Working Space, Add	*99.64*	
40 05 23 43-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,061.63	170.48
		For Work In Restricted Working Space, Add	*113.66*	
40 05 23 43-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,266.78	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,697.54	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,464.19	427.01
		For Work In Restricted Working Space, Add	*284.68*	

40 05 23 43-1125 300#, Type 304 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	41.50	8.84
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	42.71	9.38
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 43-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	44.78	10.32
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 43-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	55.33	11.49
		For Work In Restricted Working Space, Add	*7.66*	
40 05 23 43-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	64.30	15.52
		For Work In Restricted Working Space, Add	*10.35*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	70.52	17.24
		For Work In Restricted Working Space, Add	*11.49*	
40 05 23 43-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	114.37	22.16
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 43-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	136.74	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 43-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	206.44	51.73
		For Work In Restricted Working Space, Add	*34.49*	
40 05 23 43-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	357.11	66.52
		For Work In Restricted Working Space, Add	*44.35*	
40 05 23 43-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	485.86	79.71
		For Work In Restricted Working Space, Add	*53.14*	
40 05 23 43-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	676.17	95.65
		For Work In Restricted Working Space, Add	*63.77*	
40 05 23 43-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	924.05	119.56
		For Work In Restricted Working Space, Add	*79.71*	
40 05 23 43-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,275.97	149.45
		For Work In Restricted Working Space, Add	*99.64*	
40 05 23 43-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,612.52	170.48
		For Work In Restricted Working Space, Add	*113.66*	
40 05 23 43-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,095.85	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,681.19	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	4,082.04	427.01
		For Work In Restricted Working Space, Add	*284.68*	

40 05 23 43-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	51.72	14.93
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	65.13	19.91
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 43-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	76.40	24.69
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 43-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	105.92	34.95
		For Work In Restricted Working Space, Add	*20.97*	
40 05 23 43-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	114.84	39.40
		For Work In Restricted Working Space, Add	*23.64*	
40 05 23 43-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	144.82	50.05
		For Work In Restricted Working Space, Add	*30.03*	
40 05 23 43-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	217.40	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	267.37	157.42
		For Work In Restricted Working Space, Add	*59.11*	
40 05 23 43-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	343.95	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	63.50	14.93
		For Work In Restricted Working Space, Add	*8.96*	
40 05 23 43-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	73.45	19.91
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 43-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	83.00	24.69
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 43-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	125.00	34.95
		For Work In Restricted Working Space, Add	*20.97*	
40 05 23 43-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	133.92	39.40
		For Work In Restricted Working Space, Add	*23.64*	
40 05 23 43-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	161.10	50.05
		For Work In Restricted Working Space, Add	*30.03*	
40 05 23 43-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	263.83	77.13
		For Work In Restricted Working Space, Add	*46.30*	
40 05 23 43-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	309.98	157.42
		For Work In Restricted Working Space, Add	*59.11*	
40 05 23 43-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	414.63	123.43
		For Work In Restricted Working Space, Add	*74.08*	

40 05 23 43-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	72.71	22.12
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	77.48	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	86.45	25.80
		For Work In Restricted Working Space, Add	*17.21*	
40 05 23 43-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	103.11	28.15
		For Work In Restricted Working Space, Add	*18.77*	
40 05 23 43-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	109.50	31.02
		For Work In Restricted Working Space, Add	*20.69*	
40 05 23 43-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	120.81	34.56
		For Work In Restricted Working Space, Add	*23.04*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	166.81	44.19
		For Work In Restricted Working Space, Add	*29.46*	
40 05 23 43-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	186.02	51.74
		For Work In Restricted Working Space, Add	*34.50*	
40 05 23 43-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	242.42	62.00
		For Work In Restricted Working Space, Add	*41.33*	
40 05 23 43-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	353.02	77.46
		For Work In Restricted Working Space, Add	*51.64*	
40 05 23 43-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	583.02	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	835.91	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	1,248.15	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	1,459.62	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	1,795.61	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	2,209.77	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	2,899.31	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	4,123.84	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	85.89	22.12
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 43-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	88.91	23.48
		For Work In Restricted Working Space, Add	*15.65*	
40 05 23 43-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	94.08	25.80
		For Work In Restricted Working Space, Add	*17.21*	
40 05 23 43-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	117.67	28.15
		For Work In Restricted Working Space, Add	*18.77*	
40 05 23 43-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	124.06	31.02
		For Work In Restricted Working Space, Add	*20.69*	
40 05 23 43-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	136.40	34.56
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 43-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	194.20	44.19
		For Work In Restricted Working Space, Add	*29.46*	
40 05 23 43-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	215.82	51.74
		For Work In Restricted Working Space, Add	*34.50*	
40 05 23 43-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	310.32	62.00
		For Work In Restricted Working Space, Add	*41.33*	
40 05 23 43-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	480.87	77.46
		For Work In Restricted Working Space, Add	*51.64*	
40 05 23 43-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	763.90	128.10
		For Work In Restricted Working Space, Add	*85.40*	
40 05 23 43-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,085.04	170.80
		For Work In Restricted Working Space, Add	*113.87*	
40 05 23 43-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,599.83	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,114.56	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,594.22	340.96
		For Work In Restricted Working Space, Add	*227.31*	
40 05 23 43-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,308.45	427.01
		For Work In Restricted Working Space, Add	*284.68*	
40 05 23 43-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,297.51	597.81
		For Work In Restricted Working Space, Add	*398.54*	
40 05 23 43-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	6,247.78	854.02
		For Work In Restricted Working Space, Add	*569.35*	

40 05 23 43-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	116.33	44.23
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	124.82	46.95
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	137.46	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	172.36	56.29
		For Work In Restricted Working Space, Add	*37.53*	
40 05 23 43-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	167.34	62.05
		For Work In Restricted Working Space, Add	*41.37*	
40 05 23 43-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	183.06	69.12
		For Work In Restricted Working Space, Add	*46.08*	
40 05 23 43-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	233.52	88.38
		For Work In Restricted Working Space, Add	*58.93*	
40 05 23 43-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	282.99	103.48
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 43-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	356.64	124.00
		For Work In Restricted Working Space, Add	*82.67*	

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	466.94	154.92
		For Work In Restricted Working Space, Add	*103.28*	
40 05 23 43-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	807.73	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,114.99	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,649.77	512.40
		For Work In Restricted Working Space, Add	*341.61*	

40 05 23 43-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	126.03	44.23
		For Work In Restricted Working Space, Add	*29.49*	
40 05 23 43-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	132.08	46.95
		For Work In Restricted Working Space, Add	*31.31*	
40 05 23 43-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	142.43	51.61
		For Work In Restricted Working Space, Add	*34.41*	
40 05 23 43-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	170.50	56.29
		For Work In Restricted Working Space, Add	*37.53*	
40 05 23 43-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	183.28	62.05
		For Work In Restricted Working Space, Add	*41.37*	
40 05 23 43-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	201.03	69.12
		For Work In Restricted Working Space, Add	*46.08*	
40 05 23 43-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	292.08	88.38
		For Work In Restricted Working Space, Add	*58.93*	
40 05 23 43-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	329.07	103.48
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 43-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	416.92	124.00
		For Work In Restricted Working Space, Add	*82.67*	
40 05 23 43-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	605.20	154.92
		For Work In Restricted Working Space, Add	*103.28*	
40 05 23 43-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	909.62	256.21
		For Work In Restricted Working Space, Add	*170.81*	
40 05 23 43-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,415.74	341.61
		For Work In Restricted Working Space, Add	*227.74*	
40 05 23 43-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,936.69	512.40
		For Work In Restricted Working Space, Add	*341.61*	

40 05 23 43-1230 150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	37.68	8.84
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	42.01	9.38
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 43-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	47.19	10.32
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 43-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	54.98	11.49
		For Work In Restricted Working Space, Add	*7.66*	
40 05 23 43-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	63.95	15.52
		For Work In Restricted Working Space, Add	*10.35*	
40 05 23 43-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	77.45	17.24
		For Work In Restricted Working Space, Add	*11.49*	
40 05 23 43-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	106.41	22.16
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 43-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	132.07	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 43-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	208.52	51.73
		For Work In Restricted Working Space, Add	*34.49*	
40 05 23 43-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	288.86	66.52
		For Work In Restricted Working Space, Add	*44.35*	
40 05 23 43-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	462.64	79.71
		For Work In Restricted Working Space, Add	*53.14*	
40 05 23 43-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	597.87	95.65
		For Work In Restricted Working Space, Add	*63.77*	
40 05 23 43-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	928.21	119.56
		For Work In Restricted Working Space, Add	*79.71*	
40 05 23 43-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,111.75	149.45
		For Work In Restricted Working Space, Add	*99.64*	
40 05 23 43-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,427.70	170.48
		For Work In Restricted Working Space, Add	*113.66*	
40 05 23 43-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,691.58	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,251.54	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,276.58	427.01
		For Work In Restricted Working Space, Add	*284.68*	

40 05 23 43-1249 300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	53.28	8.84
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	54.49	9.38
		For Work In Restricted Working Space, Add	*6.26*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	56.56	10.32
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 43-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	80.64	11.49
		For Work In Restricted Working Space, Add	*7.66*	
40 05 23 43-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	89.61	15.52
		For Work In Restricted Working Space, Add	*10.35*	
40 05 23 43-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	99.28	17.24
		For Work In Restricted Working Space, Add	*11.49*	
40 05 23 43-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	158.74	22.16
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 43-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	181.96	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 43-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	282.67	51.73
		For Work In Restricted Working Space, Add	*34.49*	
40 05 23 43-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	487.07	66.52
		For Work In Restricted Working Space, Add	*44.35*	
40 05 23 43-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	620.31	79.71
		For Work In Restricted Working Space, Add	*53.14*	
40 05 23 43-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,067.03	95.65
		For Work In Restricted Working Space, Add	*63.77*	
40 05 23 43-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,304.16	119.56
		For Work In Restricted Working Space, Add	*79.71*	
40 05 23 43-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,859.81	149.45
		For Work In Restricted Working Space, Add	*99.64*	
40 05 23 43-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,375.62	170.48
		For Work In Restricted Working Space, Add	*113.66*	
40 05 23 43-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,098.79	213.50
		For Work In Restricted Working Space, Add	*142.34*	
40 05 23 43-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,928.80	298.91
		For Work In Restricted Working Space, Add	*199.27*	
40 05 23 43-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	6,020.09	427.01
		For Work In Restricted Working Space, Add	*284.68*	

40 05 23 43-1268 Type 316 Seamless Annealed Tubing *(40 05 23 43)*

Note: For high pressure air (8000 PSIG working pressure).

40 05 23 43-1269 Type 316 Seamless Annealed Tubing *(40 05 23 43-1268)*

40 05 23 43-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	17.08
40 05 23 43-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	21.20
40 05 23 43-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	25.63

40 05 23 43-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 43-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 43-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	56.33
40 05 23 43-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	61.93
40 05 23 43-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	95.14
40 05 23 43-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	48.92
40 05 23 43-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	80.78
40 05 23 43-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	61.32
40 05 23 43-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	75.60
40 05 23 43-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	116.36
40 05 23 43-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	73.93
40 05 23 43-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	114.32
40 05 23 43-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	72.82
40 05 23 43-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	93.94
40 05 23 43-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	155.27
40 05 23 43-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	128.03
40 05 23 43-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	157.86

40 05 23 43-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 43-1268)*

40 05 23 43-1290 Needle Valves *(40 05 23 43-1289)*

40 05 23 43-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	289.13
40 05 23 43-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	458.92

40 05 23 43-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 43-1289)*

40 05 23 43-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	277.09

40 05 23 43-1295 Other Valves Working Pressure 6,000 PSI *(40 05 23 43-1289)*

40 05 23 43-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,148.28
40 05 23 43-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	288.21
40 05 23 43-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	55.85

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

copyright 2018 The Gordian Group, Inc.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0002			**Glass Pipe, Beaded Joints** *(40 05 41 00-0001)*		
40 05 41 00-0003		LF	1/2" Glass Pipe, Pressure	32.14	12.78
			For Work In Restricted Working Space, Add	*7.67*	
40 05 41 00-0004		LF	3/4" Glass Pipe, Pressure	38.57	15.34
			For Work In Restricted Working Space, Add	*9.20*	
40 05 41 00-0005		LF	1" Glass Pipe, Pressure	44.36	17.04
			For Work In Restricted Working Space, Add	*10.23*	
40 05 41 00-0006		LF	1-1/2" Glass Pipe, Pressure	58.88	23.01
			For Work In Restricted Working Space, Add	*13.80*	
40 05 41 00-0007		LF	2" Glass Pipe, Pressure	71.57	27.26
			For Work In Restricted Working Space, Add	*16.36*	
40 05 41 00-0008		LF	3" Glass Pipe, Pressure	87.36	31.53
			For Work In Restricted Working Space, Add	*18.92*	
40 05 41 00-0009		LF	4" Glass Pipe, Pressure	119.26	42.60
			For Work In Restricted Working Space, Add	*25.56*	
40 05 41 00-0010		LF	6" Glass Pipe, Pressure	163.33	51.12
			For Work In Restricted Working Space, Add	*30.68*	
40 05 41 00-0011			**Glass 90 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0012		EA	1/2" 90 Degree Elbow, Glass, Pressure	151.70	68.16
			For Work In Restricted Working Space, Add	*40.90*	
40 05 41 00-0013		EA	3/4" 90 Degree Elbow, Glass, Pressure	162.96	72.43
			For Work In Restricted Working Space, Add	*43.46*	
40 05 41 00-0014		EA	1" 90 Degree Elbow, Glass, Pressure	177.07	76.69
			For Work In Restricted Working Space, Add	*46.01*	
40 05 41 00-0015		EA	1-1/2" 90 Degree Elbow, Glass, Pressure	195.69	85.21
			For Work In Restricted Working Space, Add	*51.12*	
40 05 41 00-0016		EA	2" 90 Degree Elbow, Glass, Pressure	221.16	93.72
			For Work In Restricted Working Space, Add	*56.24*	
40 05 41 00-0017		EA	3" 90 Degree Elbow, Glass, Pressure	275.23	110.76
			For Work In Restricted Working Space, Add	*66.46*	
40 05 41 00-0018		EA	4" 90 Degree Elbow, Glass, Pressure	313.30	119.29
			For Work In Restricted Working Space, Add	*71.56*	
40 05 41 00-0019		EA	6" 90 Degree Elbow, Glass, Pressure	467.51	136.32
			For Work In Restricted Working Space, Add	*81.80*	
40 05 41 00-0020			**Glass 45 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0021		EA	1/2" 45 Degree Elbow, Glass, Pressure	151.08	68.16
			For Work In Restricted Working Space, Add	*40.90*	
40 05 41 00-0022		EA	3/4" 45 Degree Elbow, Glass, Pressure	162.25	72.43
			For Work In Restricted Working Space, Add	*43.46*	
40 05 41 00-0023		EA	1" 45 Degree Elbow, Glass, Pressure	176.11	76.69
			For Work In Restricted Working Space, Add	*46.01*	
40 05 41 00-0024		EA	1-1/2" 45 Degree Elbow, Glass, Pressure	194.67	85.21
			For Work In Restricted Working Space, Add	*51.12*	
40 05 41 00-0025		EA	2" 45 Degree Elbow, Glass, Pressure	219.78	93.72
			For Work In Restricted Working Space, Add	*56.23*	
40 05 41 00-0026		EA	3" 45 Degree Elbow, Glass, Pressure	273.10	110.76
			For Work In Restricted Working Space, Add	*66.46*	
40 05 41 00-0027		EA	4" 45 Degree Elbow, Glass, Pressure	310.31	119.29
			For Work In Restricted Working Space, Add	*71.56*	
40 05 41 00-0028		EA	6" 45 Degree Elbow, Glass, Pressure	459.61	136.32
			For Work In Restricted Working Space, Add	*81.77*	
40 05 41 00-0029			**Glass Tees** *(40 05 41 00-0001)*		
40 05 41 00-0030		EA	1/2" Tee, Glass, Pressure	230.86	102.25
			For Work In Restricted Working Space, Add	*61.36*	
40 05 41 00-0031		EA	3/4" Tee, Glass, Pressure	248.22	110.76
			For Work In Restricted Working Space, Add	*66.46*	
40 05 41 00-0032		EA	1" Tee, Glass, Pressure	268.02	119.29
			For Work In Restricted Working Space, Add	*71.56*	
40 05 41 00-0033		EA	1-1/2" Tee, Glass, Pressure	298.75	127.81
			For Work In Restricted Working Space, Add	*76.67*	
40 05 41 00-0034		EA	2" Tee, Glass, Pressure	331.75	140.59
			For Work In Restricted Working Space, Add	*84.36*	
40 05 41 00-0035		EA	3" Tee, Glass, Pressure	402.96	170.41
			For Work In Restricted Working Space, Add	*102.25*	
40 05 41 00-0036		EA	4" Tee, Glass, Pressure	461.97	178.84
			For Work In Restricted Working Space, Add	*107.31*	
40 05 41 00-0037		EA	6" Tee, Glass, Pressure	591.04	204.41
			For Work In Restricted Working Space, Add	*122.66*	
40 05 41 00-0038			**Glass Couplings, Vitron Liner** *(40 05 41 00-0001)*		
40 05 41 00-0039		EA	1/2" Coupling, Vitron Liner, Glass	22.12	
40 05 41 00-0040		EA	3/4" Coupling, Vitron Liner, Glass	25.28	
40 05 41 00-0041		EA	1" Coupling, Vitron Liner, Glass	29.49	
40 05 41 00-0042		EA	1-1/2" Coupling, Vitron Liner, Glass	33.70	
40 05 41 00-0043		EA	2" Coupling, Vitron Liner, Glass	40.55	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	74.25	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	89.52	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	179.03	

END OF SECTION 40

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment *(41)*

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	315.66	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	94.34	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	413.28	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes And Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist	4,020.38	309.12
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist	4,065.17	309.12
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist	4,876.57	309.12
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist	6,152.73	412.16
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	7,774.83	515.19
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	9,162.50	757.13
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	10,597.40	914.47
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	11,778.10	914.47

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	2,885.50	298.81
		For DC Electrical Operated, Add	*571.51*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	3,010.63	298.81
		For DC Electrical Operated, Add	*602.40*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,325.93	298.81
		For DC Electrical Operated, Add	*678.76*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	5,002.76	309.12
		For DC Electrical Operated, Add	*1,091.44*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	4,315.07	309.12
		For DC Electrical Operated, Add	*917.68*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	6,160.53	319.42
		For DC Electrical Operated, Add	*1,370.75*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	5,578.10	350.33
		For DC Electrical Operated, Add	*1,196.31*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	6,891.99	432.76
		For DC Electrical Operated, Add	*1,519.73*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	8,144.24	445.23
		For DC Electrical Operated, Add	*1,843.50*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	13,102.77	464.59
		For DC Electrical Operated, Add	*3,043.20*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	15,697.85	483.95
		For DC Electrical Operated, Add	*3,681.91*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	21,719.01	503.30
		For DC Electrical Operated, Add	*5,176.87*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	27,797.47	551.70
		For DC Electrical Operated, Add	*6,672.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		Hand Chain Hoists *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,066.53	123.84
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	1,245.27	125.53
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	1,650.95	131.47
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	1,850.05	133.17
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	2,221.17	139.96
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	2,491.41	163.70
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	3,422.44	168.80
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	4,459.92	203.57
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	5,427.53	212.91
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	9,492.60	243.45

END OF SECTION 41

copyright 2018 The Gordian Group, Inc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,711.18	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	2,240.96	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	1,201.78	101.38
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	2,203.16	152.08
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	3,123.45	162.22

END OF SECTION 43

copyright 2018 The Gordian Group, Inc.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

copyright 2018 The Gordian Group, Inc.

This Page Intentionally Left Blank

www.gordian.com
855.467.9444
30 Patewood Drive, Suite 350
Greenville, South Carolina 29615

GORDIAN®